FALL/WINTER 1989

PC ENTERPRISES

"Dedicated Exclusively to the Support of the IBM PCjr Since 1984"

Orders or Catalog Requests: Call (800) 922-PCJR or (201) 280-0025
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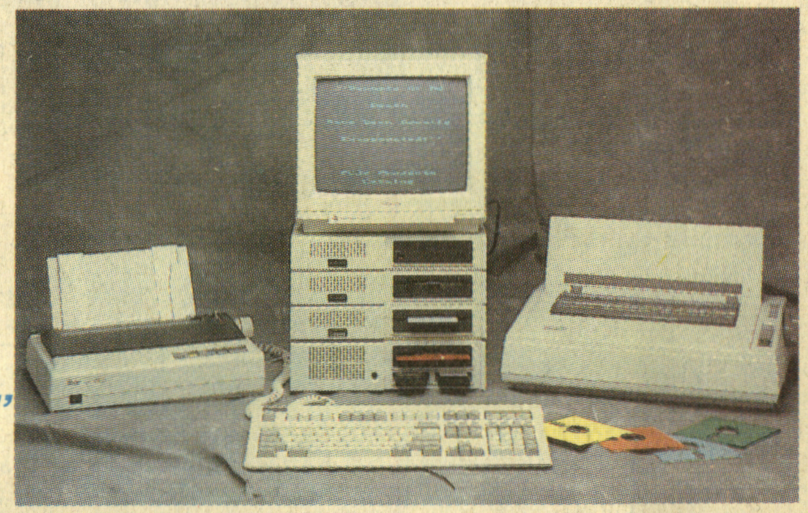
Over 200 Exclusive PCjr Products Featured Inside!

COVER STORY

"Reports of my death have been greatly exaggerated..."
— PC Enterprises



Sources report it is now possible to expand the PCjr to become more powerful than a turbo-charged PC-XT! Over 100,000 PCjr owners have already upgraded their PCjr and thousands more are certain to do so this year. While the expanded PCjr outperforms the PC-XT, the cost to expand is a fraction of the cost to purchase another computer.

An expanded PCjr can now include up to 1.2 megabytes of RAM, two parallel printer ports, a 360K disk drive for PC compatibility, a 3½ inch disk drive for PS/2 compatibility, a 1.2M disk drive for PC-AT compatibility, two hard disk drives, 9.54 MHz speedup board, speech attachment, 2400 baud modem, and a 150 Watt power supply. All PCjr expansion products can be purchased from PC Enterprises in Belmar, New Jersey.

Also shown in the photo: Magnavox color monitor, Star NX-1000 dot matrix printer, NEC Elf 370 Spinwriter Letter Quality Printer and a 101-key keyboard.

We Don't Just Sell PCjr Products... We Make Them!

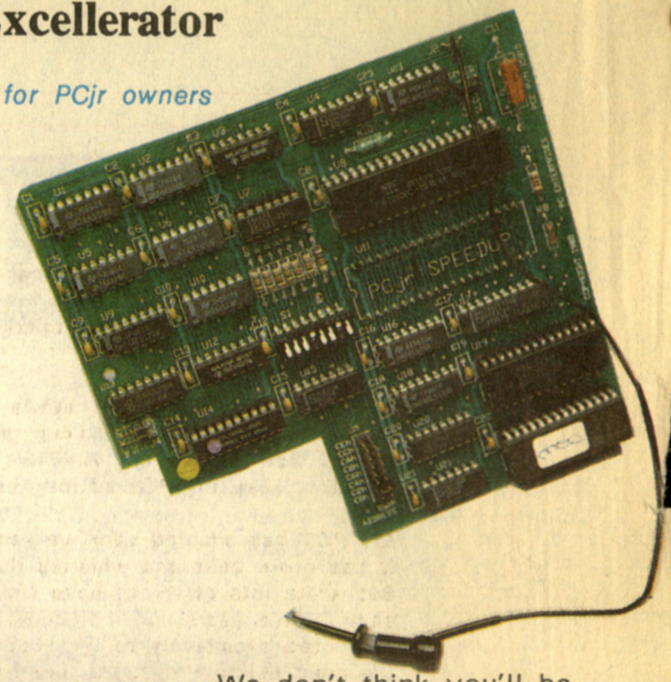
Meet the jrExcellerator

"We think that the jrExcellerator is a 'must have' for PCjr owners that are looking to keep pace with today's more powerful machines"... Sierra On-Line

9.54 MHz
Speed-Up Board

The First Easy-To-Install Speed-Up Board Ever Made For The IBM PCjr

'Without a doubt, the most important new PCjr product since the sidecar!"



For years the PCjr has been criticized because it couldn't run programs as quickly as turbo machines and clones. Well, PCjr critics, listen to this: It's now possible to operate a PCjr at 9.54 MHz.

Just plug the jrExcellerator into your PCjr and the clock speed is increased from 4.77 MHz to 9.54 MHz. Then run a program and notice how the PCjr starts doing just about everything faster than ever before.

You'll zip right through time consuming tasks at seemingly sub-light speeds. That's right. With the jrExcellerator installed your PCjr will seem to run circles around other computers. Whether you're using a spreadsheet. A word processor. Or just playing a game. The program you're running doesn't really matter - because the computer's microprocessor is running faster than ever before!

And because the jrExcellerator plugs into the PCjr's microprocessor socket it's easy to install. It's also quite compatible with other PCjr add-on products including those manufactured by PC Enterprises, IBM, Tecmar, Microsoft, Impulse, and Racore.

We don't think you'll be one "bit" disappointed with the jrExcellerator. In fact, we're so sure you'll like it when you try it that we'll refund the full purchase price if for any reason you choose to return it. But best of all, the jrExcellerator won't take a big "byte" out of your budget.

Features

- Easy Plug-in Installation
- Doubles the Clock Speed
- Makes Programs Run Noticeably Faster
- Can be Started in the Fast or Slow Mode
- Speed Can Be Changed "On the Fly" (at any time)
- Works with Self Booting Software
- 10 MHz V20 Microprocessor Included
- Norton SI Rating up to 3.3
- PC Memory Mode Permits your System to Recognize Expansion Memory Without Running Memory Management Software
- Adds 16K of RAM (PC Memory Mode)
- Compatible with Most PCjr Products

* Plug-in installation requires your PCjr's microprocessor be in a socket. Also, the actual Norton SI Rating depends upon the memory expansion board you use. A Norton SI Rating of 3.1 to 3.3 can normally be obtained with the PC Enterprises or IBM memory expansion board. Also, Racore users with DMA will not be able to use the PC Memory Mode feature (This is the feature that lets the PCjr recognize all of its memory without running memory software).

Catalog #14802 **Price: $129**

Dear PCjr Owner,

It seems like just yesterday that I brought home my first PCjr. Although it only had 128K of memory and one disk drive it didn't matter one bit. I remember opening that box and looking inside - it was love at first sight.

Now it's five years later. While my life has changed in so many ways, so has my PCjr. I keep growing older, but my PCjr seems like it may live on forever. And like the appliances in my kitchen I'll certainly keep my PCjr as long as it does what I want it to do.

My PCjr has adapted very well to our changing environment. Today it has more bells and whistles than IBM could have ever dreamed. But while lots of things have changed, at least one thing remains the same. Five years ago I pledged PC Enterprises would remain dedicated exclusively to the support of the IBM PCjr for as long as the need exists - and still today we have no plans of becoming involved with any other computer.

Why should we? Our older PCjr products continue selling very well while our newest products receive raving reviews. In fact, our new speed up board, the jrExcellerator, has received more letters of praise than any other product we've ever sold. This catalog also introduces three more new PCjr products. The Megaboard is the most recent addition to our product line. This product permits you to add 1 Meg of memory to your PCjr - even if you've already expanded to the maximum limit of DOS (736K). In addition, we expect sales of our ComSwap Board to exceed that of all other PC Enterprises products made to date. The third new product is a PCjr SCSI host adapter card - this product lets you add hard disk drives, tape backup, CD ROMs, WORMs, Optical Disks, and all sorts of other devices to keep pace with the cutting edge of technology.

Our catalog now includes over 200 PCjr products - but PCjr fanatics, you haven't seen anything yet. We've only just begun. We're presently working on more new PCjr products than ever before, including one PCjr product (code name 5NC) which we believe is the most innovative computer product to come along since the disk drive!

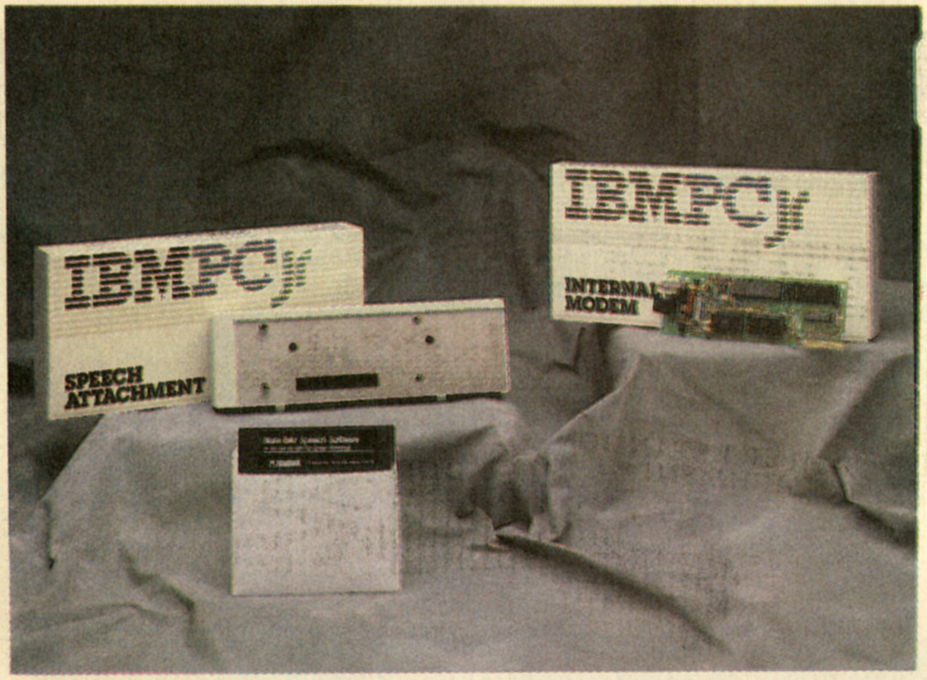
While browsing through our catalog you may also notice two new services. The first is repair. PC Enterprises will now repair your PCjr for a nominal fee of $25 plus board level replacement parts. The second is installation. We'll now install products you purchase for the same low $25 service charge.

So stick with PC Enterprises and your PCjr may live on forever too, because PC Enterprises is the company that develops more new PCjr products than all the others combined. And we'll be here to help you if you ever encounter a problem. Best of all when you stick with PC Enterprises products you never worry about compatibility. And last, but most important of all, thanks again for your continuing patronage and support. Without you we would not exist.

P. Joseph Calabria
Owner

Have any ideas for new PCjr products? PC Enterprises might pay you to turn your idea into a product. Write for details.

Prices Slashed on PCjr Communication Packages



Speech Attachment with MakeTalk! Software

The PCjr Speech Attachment can enable your PCjr to seemingly come to life by talking, laughing, and even singing songs. It is perhaps the most fascinating PCjr product ever designed - but until now there was one problem. Without software to support the Speech Attachment it doesn't do anything at all. In fact, without software it may have been one of the most useless PCjr products ever sold.

Introducing MakeTalk! - the missing link between your voice and your Speech Attachment. MakeTalk! is a software package that lets you create files which talk when they are executed. Create your own talking files and save them on your disk. Then play them back whenever you want. In your own voice. Or in someone elses voice. You can even disguise your voice by changing its frequency.

Best of all, MakeTalk! doesn't require any programming knowledge whatsoever. It's simple to use and it's fun. And the talking files you create can be played back from the DOS command line, any batch file, Basic program, or with our AlarmTalk program.

AlarmTalk is a program which turns your computer into a talking alarm clock. It runs in background while you use other programs. Imagine... you're up late at night working on a spreadsheet and your computer interrupts: "Three O'Clock. Better hit the sack or you'll never get up in time for work!"

And now, for a limited time, PC Enterprises will give you the MakeTalk! Software Package free when you purchase our Voice Communications Package. That's right. FREE!

Voice Communications Package
Speech Attachment and FREE MakeTalk! Program
Catalog #79013 Regular Price $119 Sale Price $89.95

~~*MakeTalk! Program only*~~ *Catalog #85501*
Regular Price: $98 Special Low Price: $49.00

Telecommunications Starter Package

Now you can enter into the exciting world of telecommunications for only $29.95! That's right, just $29.95 now gets you absolutely everything you'll need - except the telephone line.

So if you're a bit curious about modems and would like a chance to "get your feet wet" without spending a lot of money don't let this package pass you by. The package includes a Bell 103 compatible PCjr auto answer/auto dial internal modem (300 baud), communications software, and a FREE subscription to CompuServe which includes fifteen dollars worth of FREE access time.

Access CompuServe's PCjr Forum where you can exchange information with other PCjr users. Read about PCjr problems - and their solutions. Learn which programs run on a PCjr - and what to do when a program does not. You'll even be able to chat with other PCjr users and trade software.

But the PCjr Forum is only the beginning. You can also access airline schedules, electronic encyclopedias the daily news, and even stock market quotes and reports. Plus thousands of other uses.

And don't be fooled by this low price. These modems originally sold for $300 and are listed in our Spring 1988 catalog for $129. We've slashed the price because we're overstocked and because experienced users normally prefer faster modems. Nevertheless, at $29.95 this is without a doubt the best bargain in our catalog!

But don't wait too long - our supplies won't last forever and the $15 dollar CompuServe credit is only being offered for a limited time.

Telecommunications Starter Package
Catalog #79024 Sale Price: $29.95

Power Expansion Attachment

The PCjr's power supply can normally safely support up to three add-on options. That's why power should be a real concern to everyone who has started to expand their computer.

Most options you attach to your computer receive power from the PCjr. When the options you have attached consume more power than the PCjr's power supply was designed to provide, an overload condition occurs.

An overload means the power supply is "putting out" more power than it was designed to provide. Overloads can last for seconds, minutes, hours, or days - but eventually, if the overload continues the system will fail and require service.

The IBM PCjr Power Expansion Attachment is a product which supplies additional power for your PCjr add-on products. The Power Expansion Attachment comes in a PCjr side mounted unit known as a sidecar.

To install the Power Expansion Attachment just plug it into the right side of your PCjr. Once installed, other side mounted expansion units such as memory boards, printer attachments, and speech attachments can be plugged into the Power Expansion sidecar.

Sidecars plugged to the right side of the Power Expansion Sidecar receive their power from the Power Expansion Attachment. Sidecars plugged to the left of the Power Expansion continue to receive power from the power supply inside the PCjr.

In our last catalog this product sold for $99, but now, while our supplies last, we are offering these same IBM PCjr Power Expansion Attachments for just $59.95.

For anyone who has added at least one PCjr sidecar, the Power Expansion Sidecar is therefore a fast and simple way to add additional power. So don't let this opportunity pass you by! We don't know of a better way to add power to your PCjr unless you install a PC Enterprises Junior Drive Expansion Chassis as your first snap on top add-on unit. (Those who already have a Junior Drive System normally prefer the Junior Drive Power Supply #12524).

Catalog #79909 New: $69.95
Catalog #78714 Reconditioned: $54.95

NEW PRODUCT!
Introducing the PCE MEGABOARD

Expand the PCjr's memory to 1 Megabyte in one Megaleap — or chip by chip at your preferred pace.

The single most important expansion product for your PCjr is one that adds memory--memory to run serious programs such as dBaseIII+, Lotus 123, WordPerfect, and literally thousands of others. Memory that provides a reservoir of power for special applications, such as RAMDISK.

Such immediate, dramatic expansion is yours when you plug in the new PCE Megaboard to your PCjr. Fully compatible with all other PCE and IBM products, the Megaboard adds more memory than any other PCjr expansion product currently available.

A reminder or two about PCjr memory will help underscore the expansion benefits provided by the Megaboard: The expanded model of the PCjr, as shipped by the manufacturer, has 128K memory. The addition of an expansion card package can increase this memory up to 736K, the maximum amount which can be recognized by DOS. Any portion of this memory employed for a RAMDISK application (filing, storing, editing for spelling errors, for example) is immediately deducted from the amount available for running programs.

That's the beauty of the PCE Megaboard. It expands DOS memory to the 736K maximum and provides "overage" for use as PCE memory. (Note: You do not HAVE to increase DOS memory; any or all of the Megaboard memory could be set up as PCE memory).

The table below will help identify the amount of memory expansion you obtain when you plug in Megaboard, which is available in models providing 1024K (1 Meg), 768K, 512K, and 256K. First, locate the memory currently installed in your PCjr in column A. (If you are uncertain of the amount, simply turn your computer off, then back on, and watch your memory count up on your screen.)

Column B shows how much DOS memory you'll have after installing each model. (DOS memory is memory available to programs that you run).

Column C needs some explanation. The amount shown is called PCE memory--memory utilized for special applications developed by PC Enterprises.

Currently, software only exists to use PCE memory as a RAMDISK, but updates are planned and will be provided on request, free of additional charges, as they become available.

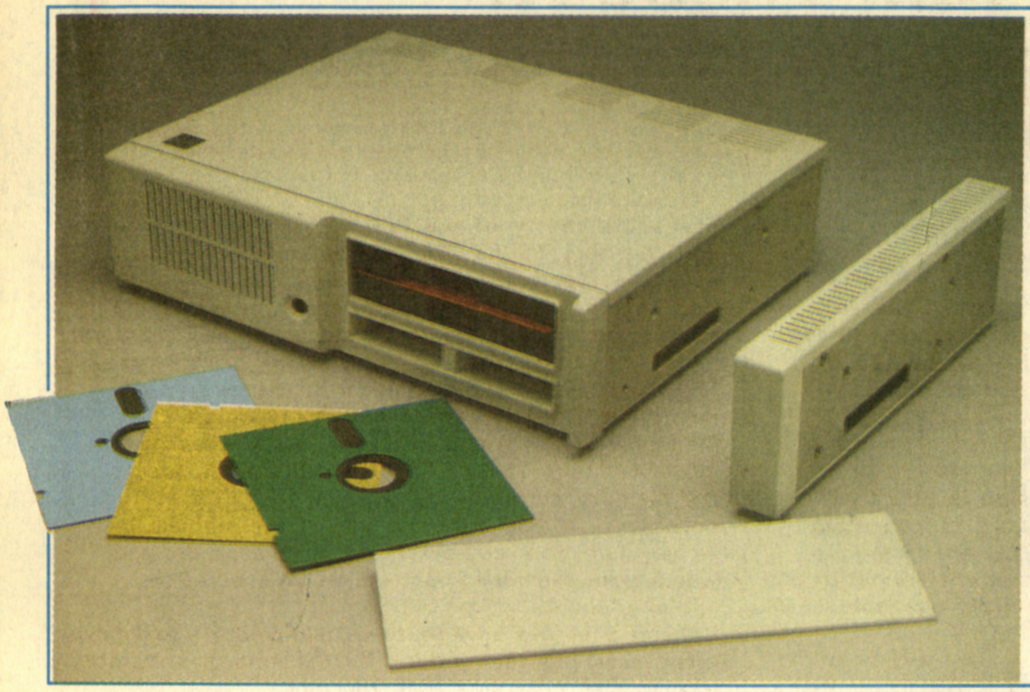
FEATURES:

- Improves program performance dramatically. We used Writing Assistant's spelling checker to check a 25 page document and made 12 corrections. This took over 21 minutes from floppy. Then we did the same thing with our Megaboard attached and finished in four minutes.
- Expands DOS memory to the maximum of 736K.
- Creates a RAMDISK without using one byte of DOS memory. This means you'll always have enough DOS memory to run any program from a Megaboard RAMDISK.
- Takes the place of a second floppy or a hard disk drive in many applications
- Only PCjr memory board ever made that adds PCE Memory
- Future print spooler, EMS, and other special applications are planned.
- Available in 256K, 512K, 736K, and 1024K models. All models are expandable to 1024K, so you can buy any model now and increase its memory to 1 Meg at a later date. Expanded by adding 256K x 1 DRAMS.

A	B	C	B	C	B	C	B	C
128	384	0	640	0	736	160	736	416
256	512	0	768	32	736	288	736	544
384	640	0	736	160	736	416	736	672
512	736	32	736	288	736	544	736	800
640	736	160	736	416	736	672	736	928
736	736	288	736	544	736	800	736	1024

Model	256K	512K	768K	1024K
Catalog #	14028	14029	14030	14031
Price	$275	$325	$375	$425

Memory Expansions: The jrSidecar Series



If you're thinking about upgrading your PCjr, think about this — additional memory is all you need to run most PC programs.

With PC Enterprises jrSidecar Series of PCjr memory expansion products you'll be able to increase memory up to the conventional 640K limit of DOS — and beyond... permitting you to run more PC programs than ever before!

Best of all, the jrSidecar Series is literally a snap to install — because each board snaps onto the side of the PCjr without any specials tools or skills.

The jrSidecar Series was designed to increase the PCjr's memory enabling the computer to run more programs — but running more programs is only one reason you'll want to add more memory.

More memory also lets you create and use a Ramdisk. A Ramdisk is a lightning fast disk drive that's simulated in memory. And once you learn how to use a Ramdisk you'll wonder how you ever managed without it!

Additional memory also permits you to run more background programs — including print spoolers which let you operate the computer while a document is printing.

But what's even more important in many applications is speed — and when you select the jrSidecar Series programs run faster than ever before. Because the jrSidecar's memory is faster than the memory inside your PCjr. Much faster.

The jrSidecar Series teams up high speed, low power, CMOS technology with high density memory chips. Together these two technologies yield a winning combination — a 512K memory expansion product that's not only faster than products made by other companies — but also uses less power than most 128K expansions.

That's why most people who add a PC Enterprises memory expansion product won't need to add anything else. Because if your computer has enough power to support a single 128K expansion you can add our 512K jrSidecar instead!

The jrSidecar Series is completely compatible with just about every other PCjr product we know of including products which plug into the PCjr's microprocessor slot — such as the jrExcellerator speed up board.

So why start expanding your PCjr with a memory expansion product made by a company which may or may not be there if you should need them?

And why take the chance that you'll select a memory expansion product that doesn't work with our speed up board — or another PC Enterprises product still on the drawing board?

PC Enterprises is the PCjr products supplier that's committed to supporting the PCjr. Select a PC Enterprises jrSidecar today and you'll be able to add the other PCjr products that you'll want tomorrow.

Which jrSidecar should I add?

If you have not yet started to expand your PCjr's memory you currently have a total of 128K. In this case you can select any of our three jrSidecars. Our 128K jrSidecar will double your memory. If that's not enough our 256K jrSidecar will increase memory to 384K — or select our 512K sidecar and expand all the way to 640K!

If you've already started to expand the jrSidecar Series is for you, too. If you presently have 256K select our 256K jrSidecar to double your memory. Or, add our 512K jrSidecar and you'll shatter the old 640K boundary of DOS by expanding to 736K!

This table shows which jrSidecar we recommend for your system. If you're not sure how much memory you now have turn your computer on and observe the results. The computer will count the total amount of memory installed.

IF YOU NOW HAVE	RECOMMENDED SIDECAR	MEMORY AFTER EXPANSION
128K	512K	640K
256K	512K	768K*
512K	256K	768K*
640K	256K	768K*

*Memory above 736K can not be used due to DOS limitations.

128K jrSidecar Catalog #14025 Price $220
256K jrSidecar Catalog #14023 Price $245
512K jrSidecar Catalog #14024 Price $295

Sidecars can also be purchased without memory chips.
Zero K jrSidecar Catalog #14027 Price $195

Important Notice: jrSidecar prices depend upon memory chip prices, which fluctuate. For this reason we suggest calling to verify the price before ordering.

512K Upgrades Now Offered for 128K Sidecars!

IBM Memory Expansions – Tecmar jrCaptains & jrWaves
Microsoft Boosters – QuadMEMjr

Expanding the PCjr's memory beyond 256K is no longer expensive. If you have previously purchased and installed a 128K memory sidecar you now have a total of 256K of memory. Now you can expand your PCjr's memory to 640K without buying anything else! Here's how...

All known 128K memory sidecars use 64K memory chips. Today, newer and higher capacity memory chips are available. We remove the 64K chips which are soldered to your board and replace them with the newer and more dense 256K chips. Then we connect the proper address and bank select lines and make other changes necessary to access the added memory.

Once installed, memory is quadrupled. Your 128K sidecar becomes a 512K sidecar. And when plugged into your 128K computer you now have a total of 640K of memory – enough to run any and all programs which run on an IBM PC–XT. Because 640K is the conventional limit of DOS.

In most cases IBM, Tecmar, and QuadMEMjr sidecars are upgraded and on their way back to you less than two weeks after it's received. Microsoft sidecars can take two to three weeks as the Microsoft upgrade is much more complex. Please be patient and allow slightly more time around the holidays and during peak periods such as when school first opens.

Priority service is offered for those in a hurry. For a small added charge we will put your sidecar in our HOT BOX and it will be given preferential treatment. Plus, if you live beyond the normal two day delivery zone of our carrier we'll pay the carrier a premium to return your sidecar within two business days.

Preferential treatment means we will upgrade your sidecar before other sidecars which did not include the priority service fee. The amount of time priority service will save therefore depends upon how many sidecars are received ahead of yours and how far away the sidecar will be shipped. While we can't make any promises priority service often saves three to four business days.

If you would like us to upgrade your sidecar disconnect it from your computer and place in a small sturdy box. Next, complete and enclose the bottom section of this form with the correct payment. Finally, insure and mail the package to the address below. We recommend using First Class Priority Mail, however, feel free to send it Overnight Mail if you prefer.

If your sidecar is not working correctly you may want us to repair the sidecar. If we can repair your sidecar the charge will be $80. If you want the sidecar repaired and upgraded the charge is therefore $80 plus the regular upgrade charge for your sidecar. Allow two to three weeks for repairs.

If you have a defective memory sidecar and prefer to trade it in you can do so. We allow a $30 credit towards any other products in our catalog. Just complete the bottom section of this form and send it, along with the defective sidecar and order form to the address below. Enter $30 in the section of the order form marked, "Other Credits" and deduct this amount from the amount due.

Please do not send any plug in power supplies, diskettes, or other items which you normally use with your sidecar. Also, to avoid damage by static electricity do not remove the sidecar from the plastic case! And finally, be especially careful that you do not send the wrong sidecar. We can not add memory to Printer or Power Attachments!

Prices include return shipping and insurance via UPS regular ground service or equivalent. Ground service can take up to 7 days depending upon the distance shipped. If you pay for priority service shipping normally takes two business days, regardless of the distance shipped.

Also note that our UPS drivers will not accept shipments to post office boxes so we do need your street address. If you do not provide a street address you must pay the additional $5 as your sidecar will require preferential treatment. In this case we will return it to you via first class priority mail.

Mail your sidecar to:

Memory Upgrade, PC Enterprises, 2400 Belmar Blvd - Building 16, Wall, NJ 07719
(To avoid delays be sure the words Memory Upgrade clearly appear on the outside of the package)

Pricing May Flucuate If DRAM Cost Increases

Please Call to Confirm Price

___ Please upgrade my 128K sidecar.

___ I'm in a real hurry. Put my sidecar at the top of the pile. An extra $5.00 is enclosed for priority service.

___ Please repair my sidecar ($80 charge).

___ The enclosed sidecar is defective. Please keep it and give me a $30 credit on the enclosed order.

Please Upgrade My 128K:
___ IBM Memory Expansion *($229)*
___ Tecmar jrCaptain *($229)*
___ Microsoft Booster *($229)*
___ QuadMEMjr *($209)*

How Will You Pay?
___ Check Enclosed
___ Money Order Enclosed
___ Charge my Visa Card
___ Charge my MasterCard

Please Fill In:
Cost to Upgrade your Sidecar _____
Add $5 for Priority Service (Optional) _____
Subtotal _____
NJ residents add 6% sales tax _____
Total Charge _____

Return To:

Name _____

Shipping Address _____

City _____ State ___ Zip _____

Day Phone ( ) _____

(Credit Card Customers Also Fill In:)

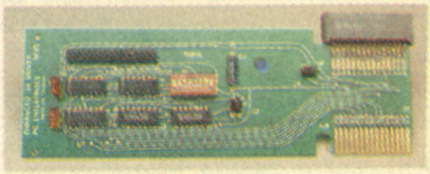
Name as printed on card _____

Credit Card Number _____

Expiration Date _____

Signature _____

The Heart of our Junior Drive System



The PCjr was designed by IBM to work with one disk drive. It was not possible to add a second. The Enhanced jrDriver is a product designed by PC Enterprises that allows you to overcome this limitation. The Enhanced jrDriver adds the hardware required to support up to four floppy drives.

The Enhanced jrDriver saves you time because it's easy to install. And it saves money because it lets you add a disk drive without paying for features you don't need.

To install the Enhanced jrDriver just plug it into the computer's disk drive controller slot. Next plug your existing disk drive controller card on top of the Enhanced jrDriver — in piggyback fashion. Finally connect a cable. And the Enhanced jrDriver is easy to use because selecting which drive becomes your A: drive is as easy as moving a jumper.

It's expandable, too. A mode control switch lets you operate in either the Energy Efficient or Daisy Chain mode. In the Energy Efficient mode, you can operate up to two drives and the Enhanced jrDriver will independently control the motors of both. This feature, combined with the use of low power CMOS technology, is the reason most people who add our second drive do not need another power supply. When you add a third or a fourth drive you will switch to the Daisy Chain mode. In this mode the Enhanced jrDriver has the hardware needed to support four floppy disk drives. This means your system can grow with your needs.

Those who already own our original (Modem Magician) Interface Module should not feel left out. The Enhanced jrDriver can be used in your system, too. If you ever purchase a Junior Drive III System or Hard Disk System from PC Enterprises which requires the Enhanced jrDriver, we'll swap your original interface card for the Enhanced jrDriver. Free.

And, you will only need one Enhanced jrDriver — regardless of how many drives you add. That's why the Enhanced jrDriver is included with all of our Junior Drive II Systems, but not with systems which add a third or fourth drive. This means that those who have already purchased a second drive made by another company and would like to add our Junior Drive III System must purchase the Enhanced jrDriver separately.

Two versions are available:

The standard version of the Enhanced jrDriver must be used with our Junior Drive Expansion Chassis that snaps on top. This is because the standard version requires room inside for two cards to be piggybacked.

Catalog #12516 Price $59.95

The special version is a direct replacement for our original (Modem Magician) Interface Module and plugs into the internal modem slot. It is assembled without the top connector so that the PCjr's cover can be closed with the card installed. Often purchased by people who already own a second drive made by another company and would like to add our Junior Drive III System.

Catalog #12519 Price $79

Features:

- Works with any Junior Drive System that snaps on top.
- Installs in minutes without any tools.
- Works with any industry standard disk drive.
- Does not require the use of the internal modem slot.
- Lets you select which drive you want to be drive A:
- Operates in Energy Efficient or Daisy Chain mode.
- Provides the hardware to control up to four drives.

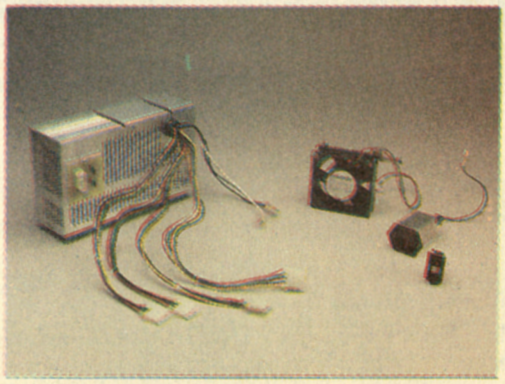
The Junior Drive Power Supply

With our mighty Junior Drive Power Supply installed, your PCjr will have the same power as the PC-XT!

The IBM PC-XT comes with a 150 Watt power supply. PC-XT users can therefore add additional disk drives or other expansion products without adding additional power.

The PCjr is different. It comes with a 35 Watt power supply. The Junior Drive Power Supply replaces the feeble PCjr power supply with a PC-XT supply — repackaged so it fits inside your PCjr!

With the Junior Drive Power Supply installed, it's not likely that you'll ever need to worry about power again. You'll have enough power to add as many sidecars as you want. As many floppy drives. And probably all of your hard drives, too.



Your computer can now be powered from a single supply and can be turned on with one single switch — without any unnecessary cables to clutter your desk and without any big black boxes which must sit on the floor.

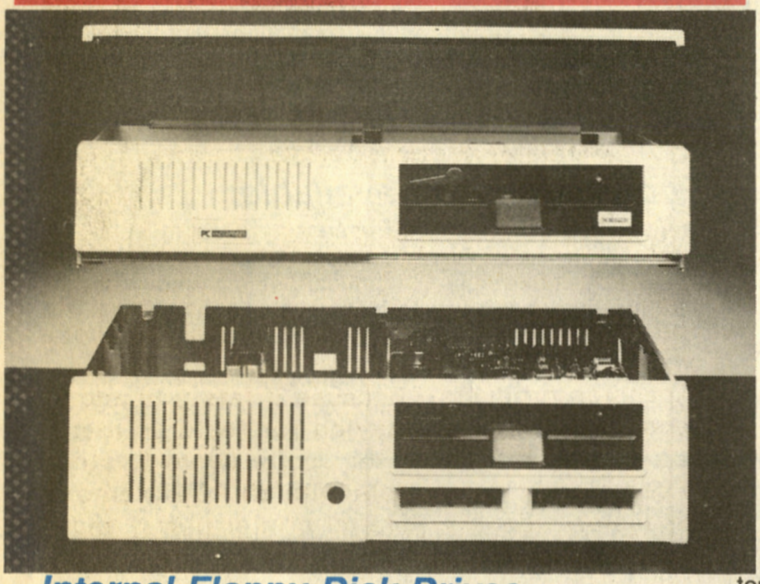
Because of space limitations inside the PCjr cabinet, the Junior Drive Power Supply can not be installed unless you have a PC Enterprises Junior Drive Expansion Chassis as your first snap-on-top expansion chassis.

The Junior Drive Power Supply includes a power cord as well as a fan, mounting bracket, power receptacle and ON/OFF switch which mounts in special cutouts in the Junior Drive Expansion Chassis.

If you already have a Junior Drive II System which snaps on top, you can also install a Junior Drive Power Supply provided your expansion chassis has openings for the power receptacle and ON/OFF switch.

Junior Drive Power Supply
Catalog #12524 Price $99.00

Upgrade Your PCjr with the Junior Drive System!



FEATURES:

- **INTEGRAL DESIGN**
  Snaps on top of the PCjr system unit.
- **SIMPLE TO INSTALL**
  Attaches in minutes without tools.
- **ECONOMICAL**
  Lets you add a drive without paying for features you don't need.
- **EXPANDABLE**
  Adds the hardware required to control up to four floppy drives.
- **MODEM COMPATIBILITY**
  Works will all internal or external modems.
- **SIDECAR COMPATIBILITY**
  Works with all known sidecars.
- **CARTRIDGE COMPATIBILITY**
  Works with pseudo DMA and other PCjr cartridges.
- **DOS COMPATIBILITY**
  Works with PC DOS 2.1, 3.0, 3.1, 3.2, and 3.3.
- **WARRANTY**
  Full Year Parts and Service.
- **SUPPORT**
  PC Enterprises quality, service, and continuing commitment to supporting the PCjr.

Internal Floppy Disk Drives

The Internal Junior Drive Systems have quickly become our most popular add on disk drives for the PCjr. Each system can be snapped on top of the PCjr or an existing Junior Drive System.

The chassis is made of metal and is styled to perfectly match the PCjr. An injection molded front panel adds the finishing touch making the Junior Drive System one of the most attractive add on systems available for the PCjr.

With the Junior Drive System installed your computer looks like it came from the factory as one piece. Your friends will find it hard to believe the Junior Drive System is really an add on unit.

And, the Junior Drive System lets you add just a disk drive. This means you can add what you want. When you want it. Without paying for features you already have. The Junior Drive System is completely compatible with all known memory expansions, parallel printer adapters, clock calendars, internal and external modems, and just about every option we know of.

Most important. It's expandable. Three models are available to choose from. Each offers diskette compatibility with a different member of the IBM computer family. And each model can be snapped on top of the PCjr or another Junior Drive System adding only 2½ inches to the height of the system.

As you can see, the Junior Drive System offers a wide selection of drives to fit your needs. Much more important, if you select the Junior Drive System it can grow with your needs... and with your budget.

Junior Drive II Systems

The Junior Drive II System is designed for those who will be adding a disk drive to their PCjr as their second drive.

Each system comes complete with everything normally needed. The Junior Drive II System includes the disk drive of your choice, expansion chassis which snaps on top, Enhanced jrDriver Interface card, two drive Energy Efficient mode signal cable, power adapter cable, software, and an illustrated Installation and Operation manual.

When used with a Junior Drive II System the Enhanced jrDriver is operated in the Energy Efficient mode. In this mode the computer's +12 Volt power supply is only used to spin one drive motor at a time. That's why most people who add this system do not need another power supply.

A rule of thumb is that you can add up to three major add-on products which use the PCjr power supply before you run out of power. For example, if you have added a 512K memory sidecar and a parallel printer attachment you have added only two options. You can still add one more option before you need a larger power supply. The option you add may be an internal modem, speech attachment, or Junior Drive II System.

Of course, this is only a rule of thumb and therefore may not apply to all add-on options, nevertheless the Junior Drive System has been used with all known printer ports and memory expansion sidecars and this rule of thumb seems to work very well.

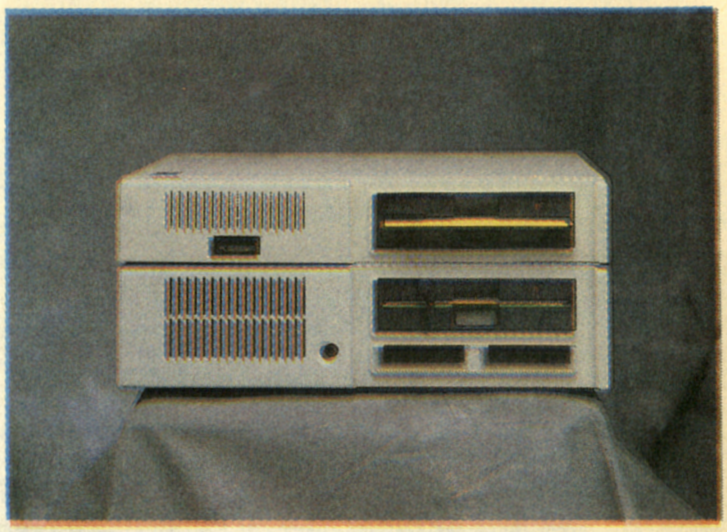
Naturally, if you want to add more than three items you can — as long as you also add an additional power supply. In this case you may wish to add the Junior Drive Power Supply which is featured in our catalog on another page.

Junior Drive III Systems

Those who have already added a Junior Drive II System and would now like to add a third drive may do so by installing our Junior Drive III System.

The Junior Drive III System uses the Enhanced jrDriver that came with your Junior Drive II System. You will be instructed to set up your Enhanced jrDriver in the Daisy Chain mode. This means that you will also need the Junior Drive Power Supply, which must be purchased separately.

The Junior Drive Floppy Disk Expansion System



The Enhanced model of the PCjr only comes with one disk drive. At times this is can be quite inconvenient. Because most serious software packages are designed to run on systems which have two drives. And because backing up diskettes with only one disk drive can involve a lot of disk swapping.

The Junior Drive Floppy Disk Expansion System will permit you to run all PC programs which will not run now because two drives are required. More important to most, a second diskette drive ends the nuisance of swapping diskettes. You'll be able to run your programs more quickly and conveniently and without the annoyance of constant diskette swapping.

The Junior Drive System is also ideal for those who have previously purchased other PCjr expansion products - because it lets you add a second drive without paying for features that you already have. And the Junior Drive System is completely compatible with all PCjr memory expansion sidecars, parallel printer ports, and other known PCjr sidecar expansions.

The Junior Drive Floppy Disk Expansion System is the original and the most popular Junior Drive System. This system is almost always the first choice of beginners because it uses the same 360K diskettes as the drive which came with your PCjr.

Junior Drive II Floppy Disk Expansion System

Adds a 5 1/4" disk drive to your PCjr as a second disk drive. Installs in minutes using the existing PCjr power supply. Complete with everything you will need. Includes a 360K disk drive, Junior Drive Expansion Chassis which snaps on top of the PCjr, Enhanced jrDriver Interface Card, "Energy Efficient" mode two drive signal cable, power adapter cable, software, and an illustrated Installation and Operation manual. Completely compatible with all known memory expansion sidecars, clock calendars, and printer ports.

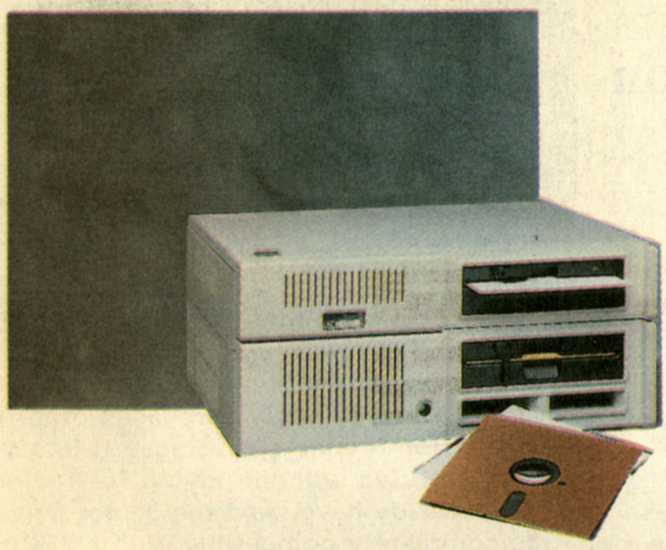
The Junior Drive II Floppy Disk Expansion System
Catalog #12509 Price: $245.00

Junior Drive III Floppy Disk Expansion System

Adds a 5 1/4" disk drive as your third drive. Installs in minutes. Includes a 360K disk drive, Junior Drive II Expansion Chassis which snaps on top of the PCjr, "Daisy Chain" mode three drive signal cable, software, and an illustrated Installation and Operation manual. This system also requires but does not include the Enhanced jrDriver Interface Card which comes with all Junior Drive II Systems and the Junior Drive Power Supply.

Junior Drive III Floppy Disk Expansion System
Catalog #12508 Price: $195.00

Introducing the High Density Junior Drive System...



The High Density Junior Drive System is designed for those who need more room on their diskettes.

The High Density Junior Drive System is perhaps the ultimate floppy disk drive available for the PCjr. This system seems to add endless diskette capacity as it packs over 1.2 Megabytes (Million Bytes) of information onto each floppy diskette. That's more than three times as much information as the drive supplied with your PCjr.

Greater storage capacity enables you to run powerful software packages which are supplied on multiple diskettes. You'll be able to run these sophisticated programs with the same ease and convenience as those who use expensive hard disk drive systems.

Imagine word processing. You'll never need to swap diskettes. Even when you use the spelling checker. Or the thesaurus. Even help files can be available. Because with the High Density System chances are you'll be able to squeeze all the files you'll need onto a single high density diskette!

The High Density System even reads and writes IBM AT diskettes. But while the IBM AT uses an expensive high density controller card this system does not. Instead, it's quite affordable because it uses your existing disk drive controller card and a special 80 track disk drive.

And don't worry about the price or availability of diskettes. The High Density Junior Drive System uses the same high density diskettes as the IBM AT computer.

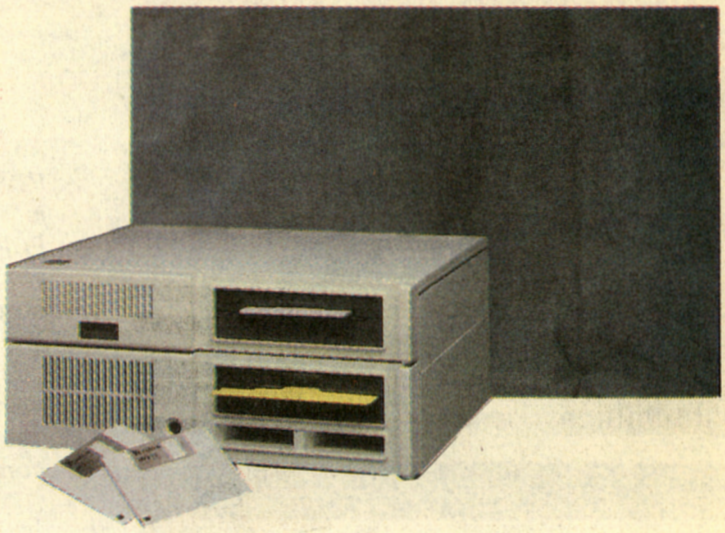
The system works with PC-DOS version 2.1 - however PC DOS 3.2 or later is recommended if you're concerned with speed. Also, the system will NOT read or write 360K diskettes nor is it as fast as high density drives used with the IBM AT. All that said, if what you're looking for is storage capacity we think you'll be glad you found our 1.2 MB High Density System.

Many people purchase the 1.2 MB system as an alternative to the more expensive hard drive system, however, it's also very popular with those who also use a hard drive because it simplifies backing up.

More good news! Another new PCjr product is under development. We're redesigning this system so it reads and writes with the same snappy performance as IBM AT drives. The NEW Junior Drive High Density System will become available shortly. Please call to determine price and availability.

3 1/2 inch Junior Drive System

The 3 1/2 inch Junior Drive System is certainly the drive of the future.



The disk drive that came with your PCjr uses 5 1/4 inch floppy diskettes capable of storing 360K of information. These drives are known as 40 track drives.

Newer computers use smaller and more durable diskettes. These diskettes measure only 3 1/2 inches square and are protected by a hard plastic jacket. But what's surprising to most, these smaller, shirt pocket-size diskettes, have twice as much space as regular 5 1/4 inch diskettes! The reason is that these newer drives are capable of being formatted with 80 tracks.

The 3 1/2 inch Junior Drive System is perhaps one of the most important PCjr products in our catalog because it prevents your PCjr from becoming obsolete as the world changes over to the newer 3 1/2 inch diskette standard.

The system attaches to the PCjr as easily and as quickly as any other Junior Drive System. And, once attached your PCjr will be able to use the same diskettes as the IBM PC Convertible, the newer IBM PS/2, and other computers which use 720K diskettes.

You'll be able to copy software from 3 1/2 inch diskettes to 5 1/4 inch diskettes - and back. And because 3 1/2 inch diskettes have twice as much storage capacity as the 360K diskettes that you currently use, you can actually copy two regular floppies onto each 3 1/2 inch floppy.

If you are currently using DOS 3.2 or later your DOS will recognize 80 track diskette formats without any other software. But you don't need to change your DOS to use our 3 1/2 inch Junior Drive System. Special device driver software included allows you to use this system with PC-DOS 2.1 or later. And using our software is as simple as adding a line to your CONFIG.SYS file.

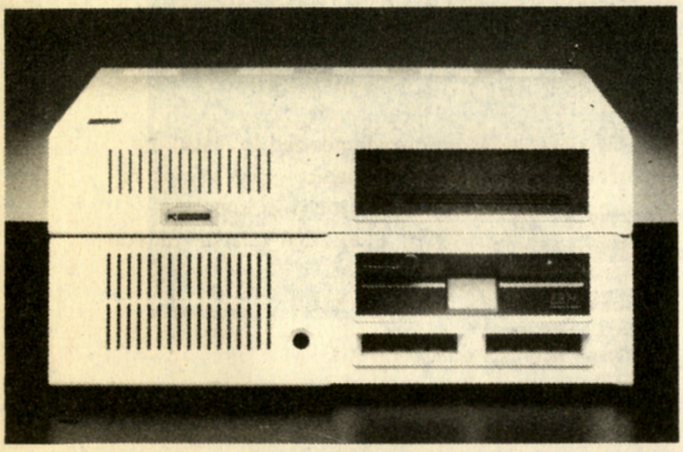
Sooner or later you'll probably want to add a 3 1/2 inch drive to your PCjr. That's why it's important to select the Junior Drive System. Because the Junior Drive System gives you the flexibility to add a 3 1/2 inch drive as your second drive today - or to add a 5 1/4 inch drive today and a 3 1/2 drive as your third drive tomorrow.

3 1/2 inch Junior Drive II System
Catalog #12521 Price: $275

3 1/2 inch Junior Drive III System
Catalog #12518 Price: $225

Just the Drive & Software
If your PCjr already has two 5 1/4 inch disk drives you can replace one of your existing drives with a 3 1/2 inch drive.
Catalog #44003 Price: $129

The First Affordable Hard Disk Drive System Designed Specifically to Work with your PCjr.... Or with your PC



An investment in a PC Enterprises Hard Disk Drive is not an investment in your PCjr... it's an investment in your future. Because if you purchase your PCjr hard disk drive from PC Enterprises you'll be able to continue using your hard drive even if you someday purchase another computer.

Jeepers Creepers Look at all these Features

- **Fits your needs... and your budget**
  Select a 20MB, 30MB, 40MB, 60MB or 80MB system.
- **Expandable**
  The SCSI (pronounced Scus-si) host adapter card allows you to add up to six additional SCSI peripherals. SCSI peripherals presently available include Hard Drives, Tape Backup, CD ROMs, WORMs, removable media devices, and optical disks.
- **Self Booting**
  Just leave the door to drive A: open and the computer will automatically load DOS from the hard disk drive.
- **Fast Access Time**
  Even our slowest drive guarantees 40 ms access time. And 40 ms isn't very slow at all – it's pretty fast.
- **Memory Mapped Input/Output**
  I/O mapped systems take six clock cycles (1260ns) to execute each instruction. Memory mapped systems take four cycles (840ns). This means our hard drive will execute each instruction in 33% less time than I/O mapped systems (such as systems which plug into the internal modem slot).
- **Intelligent Controller**
  Not-so-intelligent controllers require more instructions and therefore take much longer to transfer data. As an example, other systems such as those which use the RIM SASITALK board may take three instructions to accomplish a single write operation. Intelligent controllers perform the same operation in one instruction.
- **No Cartridge Slots Required**
  BIOS support to make the drive self booting is provided on the sidecar – not in a cartridge. This means all your available cartridge slots remain available for other products.
- **DOS Compatible**
  The usual DOS commands (SYS, FORMAT, FDISK, BACKUP, and RESTORE etc.) all work. So will virtually all other hard drive utilities and install programs.
- **PC Compatible**
  If you ever purchase another computer you can connect and use the same hard drive without reformatting. All you'll need is the optional ST-01 host adapter #79032 ($39).
- **PCjr Compatibility**
  Fully compatible with all other known PCjr products made by PC Enterprises and IBM.
- **Fits inside Junior Drive III Systems**
  If you already have (or someday purchase) a PC Enterprises Drive III System the hard drive can be mounted inside the Junior Drive III enclosure.
- **Most Attractive**
  The system snaps on top of your computer and looks great as compared to external systems which come in unsightly cases and take up lots of room on your desk.
- **Easy to Install**
  Plug-in a sidecar, snap the enclosure on top of your system, and connect the power supply. Chances are your hard drive will be up and running minutes after you open the box.
- **PC Enterprises Quality, Service, and Support**
  Remember, we're the PCjr specialist and we'll be here to help you if you ever have a problem.

Why People Add Hard Drives

Perhaps the most desired and sought after expansion for any computer is the hard disk drive. Hard drives are popular because they make computers easier to use. Much easier. Because they add tremendous diskette storage to your system. Internal storage that virtually eliminates the need to ever use floppy diskettes again.

With a hard drive installed chances are you'll never again find yourself fumbling through a box of diskettes searching for a program you want to run. Because hundreds of programs will be at your fingertips ready to run all the time.

And the PC Enterprises hard disk system is self booting. That means the computer starts DOS and you're free to make the coffee.

Hard drives also improve the speed and performance of the computer. That's because computers can access hard drives much faster than a floppy. So you'll notice dramatic improvements in speed when you use programs that access the hard drive. That's right. Dramatic.

And the PC Enterprises Junior Drive Hard Disk System is especially easy to install. Just snap it on top of your PCjr or any other PC Enterprises Junior Drive Chassis, plug in a sidecar and connect it to the power supply.

We think the new PC Enterprises Hard Disk Drive Expansion System is the hands down choice when it comes to selecting a hard drive for the PCjr. Examine the features. We think you'll agree.

And Why You Should Add Our Hard Drive

We knew our system would be faster than others so we set out to see how fast it actually was. We loaded the unprotected version of IBM's Writing Assistant program and carefully timed the results. Even we were astonished by how well our system performed – the proof is in the loading.

Time to load from floppy...	**18.6s**
Time to load from a hard drive that plugs into the internal modem slot...	**12.2s**
Time to load from our hard drive...	**4.4s**

That's right, four point four seconds.

Ordering Information

We've redesigned our hard drive system to fit your needs – and reduced the prices to fit your budget. To order a hard drive all you'll need are three items...

1 An Installation Kit.
Two are available, choose one.

Standard Hard Drive Installation Kit

This kit includes everything needed to install the hard drive inside its own snap-on-top enclosure except the drive itself, and a power supply. Includes the enclosure, SCSI Host Adapter Sidecar, signal cable, and instructions.
Catalog #10033 Price: $200

Drive III-Plus Installation Kit

Same as above except less the enclosure that snaps on top. Select this kit if you already have a PC Enterprises Junior Drive III System and prefer your hard drive to fit inside your existing Drive III enclosure. Includes a mounting shelf that fits on the left side.
Catalog #10034 Price: $159

2 The Hard Disk Drive of your Choice (select one).

20MB (typically formats up to 21.5 MB)
Catalog #44007 Price: $359

30 MB (typically formats up to 32.2 MB)
Catalog #44008 Price: $399

40 MB (typically formats up to 48.6 MB)
Catalog #44009 Price: $439

60 MB (typically formats up to 63.9 MB)
Catalog #44010 Price: $549

80 MB (typically formats up to 85.0 MB)
Catalog #44011 Price: $639

3 A Hard Drive Power Supply.

We recommend the Junior Drive Power Supply. For more information refer to the section of this catalog titled, "The Power Behind the System".
Catalog #12524 Price: $99

Remember! When you purchase your PCjr expansion products from PC Enterprises you'll be able to add what you want - when you want and you'll never need to worry about compatibility.

Junior Drive System Kits & Components

Complete Junior Drive Kit

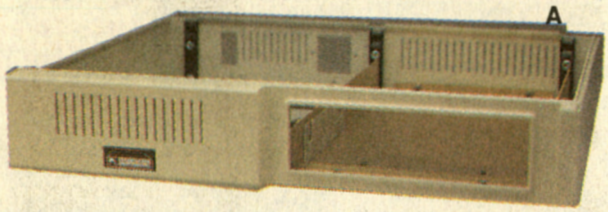
This kit includes everything normally supplied with our Junior Drive II System including the enclosure that snaps on top — except for the disk drive. Often purchased by those who currently use an external drive and prefer to convert to our system that snaps on top. Can be used with 360K or 720K drives.

Catalog #10011 Price $169

Controller Card Kit for use with our Snap-On-Top Enclosures

Same as above except less the enclosure. The Enhanced jrDriver mounts underneath the original disk drive controller card in piggy-back fashion. This means the electronics will not fit inside the PCjr unless you also have our enclosure that snaps on top. Includes the Enhanced jrDriver, Junior Drive Power Y Cable, Two Drive Energy Efficient Mode Signal Cable, Software and Manual.

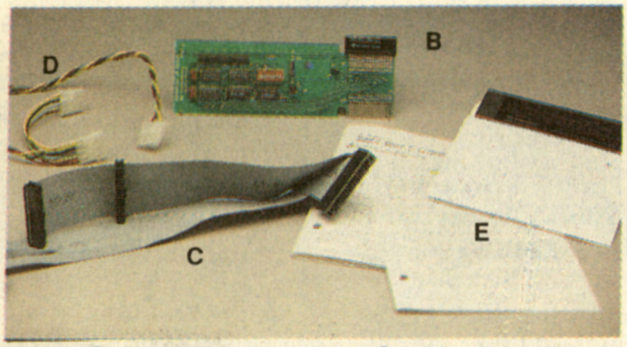
Catalog #10030 Price $79



Controller Card Kit for use with External Drives

This kit includes the special version of the Enhanced jrDriver that does not require the snap-on-top enclosure. Instead, the Enhanced jrDriver plugs into the internal modem slot. Normally purchased by those who already have their own external disk drive and enclosure. Includes the Enhanced jrDriver (special version), Two Drive Energy Efficient Mode Signal Cable, Software and Manual.

Catalog #10031 Price: $79



A "Just the enclosure"

The enclosure that snaps on top of the PCjr — or any other PCjr Expansion System. This all-aluminum cabinet has an injection-molded front bezel which matches the front of the PCjr. Cut-outs are provided for a power switch and power receptacle. Often purchased by do-it-yourselfers who originally purchased an external disk drive and now prefer to have a drive which snaps on top.

Junior Drive Expansion Chassis
Catalog #42007 Price $75

B Enhanced jrDriver
Catalog #12516 Price $59.95

C Two Drive Energy Efficient Mode Signal Cable
Catalog #91806 Price $39.95

D Power Y Cable
Catalog #91805 Price $12.95

E Software and Manual
Catalog #55002 Price $9.95

Also available but not shown:

Three Drive Daisy Chain Mode Signal Cable
Catalog #91808 Price $39.95

Additional Shelf for snap-on-top enclosure
Catalog #96003 Price $6.95

Drives & Diskettes

360K Diskette Drives

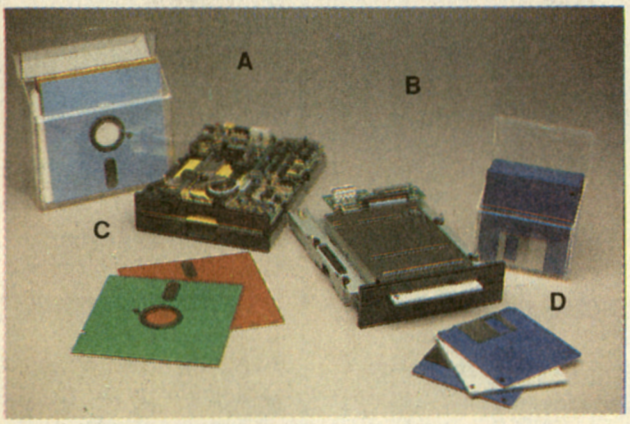
A Replaces the original PCjr drive. These drives were specifically selected to work and fit correctly in the PCjr. Half height, double sided, and fully compatible with the PCjr's double density controller. Two heads and 40 cylinders provide 360K of formatted storage. 6ms track to track access time provides fast transfer of data. Low power dissipation. Qume QT142 or similar. Warranted by PC Enterprises for a full year!

Catalog #44002 Price $129

3 1/2 inch Diskette Drives

B This 3½ inch drive can be installed inside your PCjr as a replacement to your existing 360K drive — or as a replacement to your existing second or third PCjr drive. Includes software to use 720K diskettes without upgrading your DOS; however, you'll need to switch to DOS 3.2 or later if you want to boot from this drive.

Catalog #44003 Price $129



Colored 360K Diskettes

C Our Rainbow pack of diskettes includes five colors (two of each): Blue, Red, Green, Orange, and Yellow. Provided in a sturdy flip top acrylic plastic box. Ten diskettes per box. DSDD. For all 360K drives including the original PCjr drive.

Catalog #55007 Price $9.95

3 1/2 inch Diskettes

D These are quality diskettes. Provided in a sturdy flip top acrylic plastic box. Ten diskettes per box. For all 3½ inch 720K drives.

Catalog #55009 Price $18.50

Datalife Plus 360K Diskettes

"The best diskettes money can buy!" Data Life Plus diskettes are teflon-coated to protect your data against the most common causes of data loss: fingerprints, smudges and spills. In most cases fingerprints and other smudges are cleaned off the diskette automatically as the diskette spins inside its jacket. In extreme cases, such as if you were to spill a cup of coffee on your diskette, you can remove the diskette from its jacket and clean it with a towel. Box of ten. DSDD. (Not shown.)

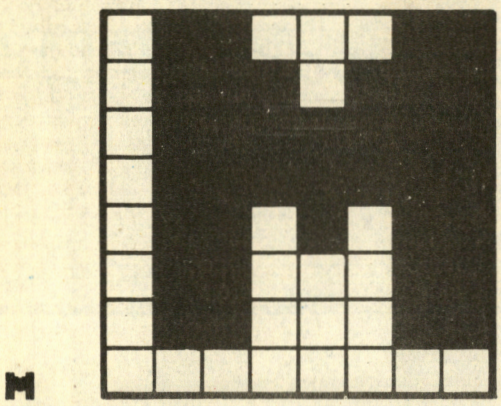
Catalog #55010 Price $14.95

High Density 1.2M Diskettes

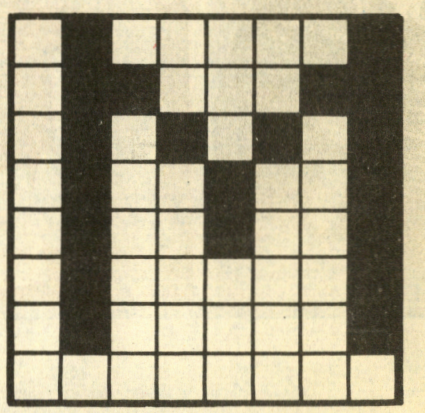
High density diskettes look just like regular diskettes. That's why our high density diskettes have white jackets. If you use only white jacket high density diskettes you won't have any trouble distinguishing them from regular 360K diskettes. Provided in a flip top plastic box. Ten diskettes per box. 600 oersted. For all 1.2M 5¼ inch drives. (Not shown.)

Catalog #55008 Price 19.95

New!
Thin-Font Module



Normal PCjr characters are two dots wide. While two-dot-wide characters are sharp and distinct in 40 column modes they tend to "fill in" or "close up" when you switch to an 80 column mode. And when two fuzzy characters are displayed side by side things get much worse, and the characters tend to blur together.



The Thin-Font module adds a second character set to the PCjr. The new character set is only one dot wide. The one-dot-wide characters are thinner and therefore have more distinctive shapes. And because they are thinner they will not "close up" or "blur together" as easily as the original two-dot-wide characters.

Sharper Characters for your Monitor!

PCjr users often complain that the display is difficult to read. Indeed, the characters do tend to appear fuzzy and at times do blur together. But until now, there was no easy way to alleviate this problem.

Introducing the Thin-Font module - the first low cost PCjr add-on product designed to improve the apparent resolution of your PCjr moritor.

The character generator IC inside your PCjr produces the characters displayed on your screen. Under normal circumstances the characters produced are two-dots-wide. The Thin-Font module adds a second character set to your PCjr. The new characters are only one-dot-wide.

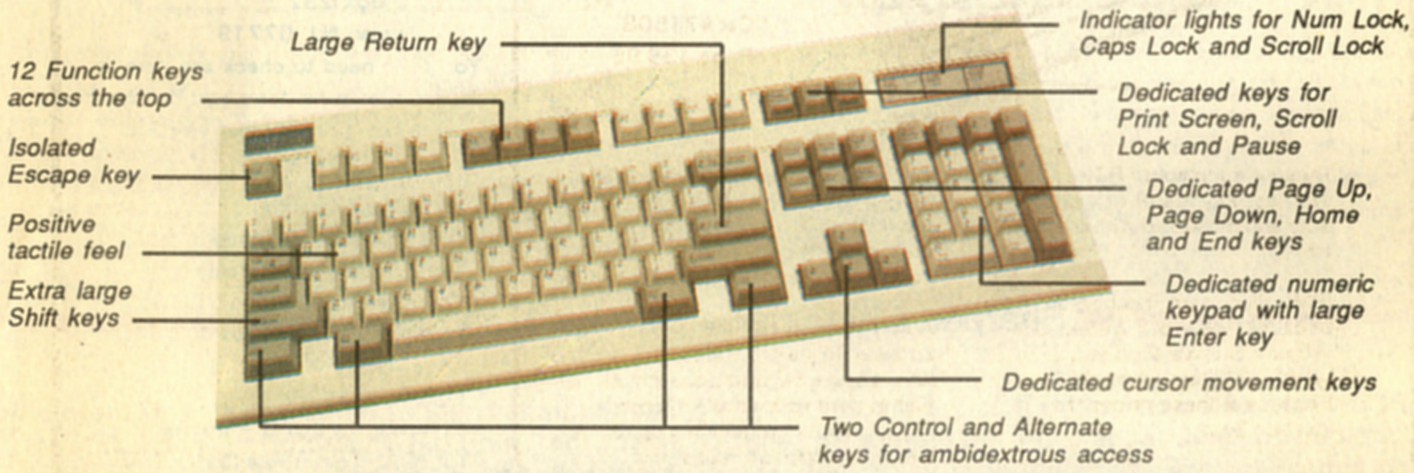
Once installed, your computer will automatically select the Thin-Font character set each time it is started. And if for any reason you ever want to switch back to the original characters you may do so with a keyboard command.

Installation can be accomplished in just a few minutes - if your computer has its character generator IC mounted in a socket. To install the Thin-Font module just unplug your existing character generator IC from its socket and plug in the Thin-Font module. Finally, attach a clip to a nearby and easy-to-get-at location alongside your disk drive.

Most PCjrs have their character generator IC plugged into a socket. A few do not. Please check to determine whether your character generator IC is mounted in a socket before ordering. If your character generator IC is not plugged into a socket we do not recommend installing this product. The character generator IC can be found underneath the computer's IR receiver. It is the 24 pin IC directly behind the round hole in the front of the PCjr.

Thin-Font Module
Catalog #18009 Price: $19.95

HERE IT IS...
PC Enterprises
101 Enhanced Keyboard
for the 600,000 PCjr Users
Other Companies Ignore!



IBM recently announced their new re-designed "standard" keyboard for personal computers. There's one problem: it can't be plugged into a PCjr!

Not to worry. Our new 101 keyboard gives you the layout and enhancements of the IBM keyboard with some logical improvements (see above photo).

We think the 101 keyboard may be the best data entry tool since the pencil! For users of spreadsheets like 1-2-3, the 101's separate cursor controls and numeric keypad makes entering numeric data into cells and moving from cell to cell as natural as moving your fingers.

And for word processing, the "Selectric" typewriter layout makes the 101 as easy to use as a pencil; and with the extra large Enter, Shift & Control keys, you'll make so few mistakes you won't need an eraser!

Now PCjr owners have two great keyboards to choose from. Both come with their own keyboard cable that plugs directly into the rear of the PCjr. And both are compatible with all other known PCjr products.

As you can see, PCjr users are not being ignored. Our new 101 keyboard is possibly the newest and the finest PCjr keyboard ever designed!

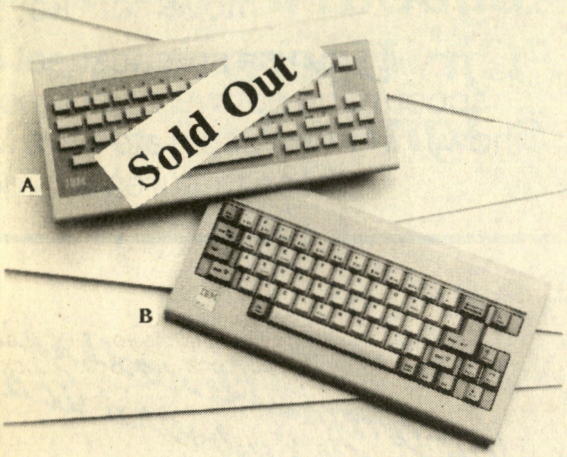
Catalog #71518 Price $139.95

Actual Keyboard May Not Be Identical To Photo. Made by PC Enterprises or Datadesk International

Other PCjr Keyboards and Accessories

Wireless Keyboards

Very popular with people who use TV Game Show Software. Play Jeopardy, Concentration, or Family Feud and let each player use their own keyboard.



A PCjr Chicklet Style

Cat #71507
Price: $29.95

B PCjr Replacement Keyboard

Cat #71508
Price: $39.95

These are the actual PCjr wireless keyboards originally sold and marketed with the IBM label.

IBM called them Freeboards because they work without any wires – But we think you'll simply call them a bargain. Because at these prices they can't be beat!

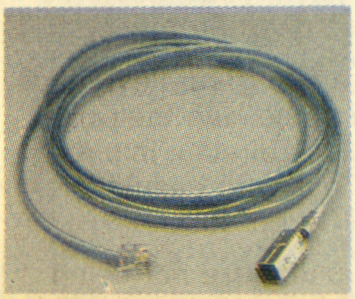
Kids, both young and old, often prefer wireless keyboards when they are playing games which permit players to compete.

The reason is each player gets to use their own keyboard. And we think you'll prefer to let the kids bang on their very own keyboard instead of yours!

And if you run serious software it's a great idea to have a spare keyboard around – just in case your usual keyboard should happen to get hung up. If this should happen – use your spare keyboard to save your data. Just think of what that could be worth!

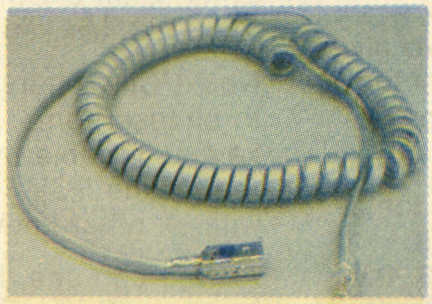
Keyboard Cables for PCjr Keyboards

Straight



Catalog #22502-1
Price: $12.95

Coiled



Catalog #22501-1
Price: $16.95

These keyboard cords permit you to use your PCjr wireless keyboards without batteries and without the keyboard facing the system unit. They also eliminate interference and beeping caused by bright lights and other PCjrs. Six feet long.

Win A New Product!

Here's a partial list of PCjr products that we've already begun to develop. Complete this form to become a "beta test" customer! Each time we release a new product we'll have a drawing. Winners receive the product free!

When you complete the form check off any product you might purchase if it were available today – then send this form (or a copy) to:

Sneak Peek Product Preview
PC Enterprises
PO Box 292
Belmar, NJ 07719

You don't need to check any item to win and how many items you do check has no bearing on whether you win. Please PRINT clearly.

__ 2400 Baud Internal Hayes Compatible Modem ($199)
__ Monochrome and Hercules Graphics Card ($99)
__ DMA Sidecar – speeds up disk drive access ($149)
__ EGA Card ($199)
__ Compatibility Board – makes PCjr 100% PC Compatible ($199)
__ PCjr FAX card ($199)
__ Cartridge Expansion Box ($30)
__ Other _____

Name _____
Address _____
City _____
State _____ Zip _____

Remember - when you purchase all your PCjr products from PC Enterprises you never need to worry about compatibility.

IBM Brand PCjr Keyboard Cord

This is the original PCjr keyboard cable sold by IBM. Straight. Reconditioned.
Catalog #78724 Price: $9.95

Keyboard Overlays

Package of five overlays which fit the Chicklet Keyboard.
Catalog #71517 Price: $2.95

Numeric Keypad for the PCjr

Why buy a new keyboard when all you really need is a numeric keypad with separate cursor movement keys?

If you use spreadsheet or accounting software you know how important separate keys for these features can be!

Now compatible with the Racore PC Keyboard Adapter.

Have you ever wished your keyboard had a numeric keypad as well as separate cursor movement keys? If so, one of these keypads may be the answer to your wishes.

Two models are available. The KB 5149jr keypad is made by Key tronics. Select this keypad if you are presently using one of the original PCjr keyboards.

The second model is called the PCE 5149jr. This is a Key tronics keypad which has been enhanced by PC Enterprises to work with the Racore PC Keyboard Adapter (#71506).

We designed the PCE 5149jr because full sized keyboards which do not have separate cursor movement keys can at times be a hassle. In order to use the keypad you must press the Num Lock key. And when Num Lock is activated the cursor movement keys don't work!

Both keypads are extremely popular with those who use spreadsheet software - because they let you move the cursor or use the numeric keypad without pressing the Num Lock key!

In fact, with the PCE 5149jr attached you may never need to use the Num Lock key again.

To connect either keypad to your PCjr use your existing IBM or PC Enterprises keyboard cable (not included and not shown in photo). Then connect the keypad to your original PCjr or fully compatible keyboard with a cable which is provided.

Both keypads work with the original equipment IBM PCjr keyboard. Or with any other fully compatible PCjr keyboard including the PC Enterprises XT keyboard and the Cherry 5150 style keyboard. The PCE 5149jr keypad also works with the Racore PC Keyboard Adapter.

Standard version (KB 5149jr)
Catalog #71511 New Low Price: **$19.95**

Special version (PCE 5149jr)
Catalog #71515 Price: **$29.95**

Function Keypads

Add All The Features of a Full Size Keyboard... at a Fraction of the Price!

Important Note: At the time our catalog went to press this product was on engineering hold. Please call to determine availability before ordering.

All the Keys You'll Ever Need

The keyboard IBM provided with your PCjr only has 62 keys. While it can generate most of the scan codes which you might need, to do so you must first press the Fn key - and doing so can be quite inconvenient.

Full size PC style keyboards have separate keys for important functions such as BREAK, PAUSE, ECHO, and PRINT SCREEN. As well as Page Up, Page Down, Home, and End. And of course ten separate function keys.

Until now, PCjr users who wanted separate keys for these functions had to purchase another keyboard. Not so anymore.

Now we have a choice. We can buy a full size keyboard or add the features of a full size keyboard by adding just the keys we need.

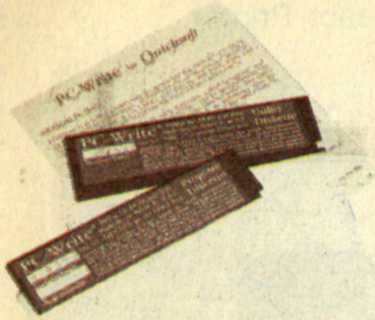
So if you like your PCjr keyboard but don't like having to press the Fn key you'll love our PCjr Function Keypad. Because with the Function Keypad installed you'll probably never need to press the Fn key again.

The Function Keypad also provides greater PC compatibility because it transmits the same make and release scan codes as the keyboard normally provided with the IBM PC. This means with our Function Keypad installed you'll be able to run more PC programs than before.

Installation is simple. First connect the Function Keypad to your PCjr keyboard with the cable provided. Then connect your existing IBM or PC Enterprises keyboard cable (not included) to the Function Keypad.

Catalog #13503

Reduced! New Low Price: $29.95



PC-Write

A Great Word Processor that's Easy to Use

The shareware concept has produced some really remarkable products, and PC-Write is one of the best. PC-Write is crammed with lots of powerful features. In fact, PC-Write's features compare against even some of the best professional word processors. The manual is a model of clarity and completeness. PC-Write, with its continuing revisions, may be the only word processor you'll ever need.

...PC Magazine

PC-Write is a full featured word processing program which includes a spelling checker. Its grown in power and complexity and is now widely considered a competitor to such expensive programs as WordPerfect, Microsoft Word, and Xywrite III.

PC-Write is a shareware product. This means the manual is on the diskette and that the program is not copy protected in any way. You are encouraged to freely copy and share PC-Write with friends, associates, and customers.

If you like PC-Write, and you use it regularly you're expected to register. Registration means you send money to PC-Write's creator. Registration also entitles you to receive a hard bound users guide, telephone support, updates and lots of other benefits.

PC-Write (Version 2.71)
256K Required - Two Disk Set
Catalog #87001 Price: $9.95

PC-Write (Version 3.02)
256K Require - Three Disk Set
Catalog #87002 Price: $14.95

PC Enterprises'

jrROM-Clock

A Product that Enters the Correct Date and Time For You, Automatically

With the jrROM-Clock installed you'll never need to enter the correct date or time again! Just start your computer and run a program that we provide. The jrROM-Clock then enters the date and time for you.

Entering the correct date and time is quite important because DOS records the date and time each time a file is changed on the diskettes directory.

This means anytime you ask for a directory you can tell which files are newest. And that's pretty helpful when two or more of your diskettes have files on them which have the same name.

And the jrROM-Clock is easy to install. Just remove one of the PCjr's BIOS chips and plug the jrROM-Clock into the BIOS chips' socket. Finally plug the BIOS chip into the jrROM-Clock socket. Installation takes less than ten minutes provided your computer's BIOS chips are not soldered to the motherboard.

What's perhaps best of all, is that our jrROM-Clock uses embedded lithium energy cells expected to maintain time for more than 10 years! Accurate to within 1 min per month.

Catalog #14801 Price: $39.95

Installation Available ($25). Even if your chips are soldered to your system board! Let PC Enterprises install a jrROM-Clock for you. Purchase a Thin-Font Module and Speed Up Board and we'll install them too - and at no extra installation charge.

How to Connect a Printer to Your PCjr

This section is provided for the novice who would like to connect a printer to the PCjr.

Computers use "ports" to transfer information to and from printers and other peripheral devices. There are essentially two types of ports which exist: serial and parallel.

All industry standard serial ports conform to a specification known as the RS232 interface - and the PCjr's built-in serial port is no different. The PCjrs serial port can therefore be used to attach just about any peripheral which has a serial interface. This includes Hayes compatible external modems, mice, and printers.

All industry standard parallel ports conform to the Centronics standard which is almost exclusively used to interface printers. For this reason, parallel ports are often referred to as Centronics ports, or simply, printer ports.

Before you connect a printer to your PCjr you must determine whether the printer requires an RS232 (Serial) interface or a Centronics (Parallel) interface. This information can be found in the printer's manual.

Parallel interfaces are extremely easy to connect and operate. If your printer has a parallel interface all you need to purchase is a Parallel Printer Attachment (Catalog #79006) and a cable (#22510-1 or -2). Simply connect the Parallel Printer Attachment to the side of the computer then attach the printer with the cable.

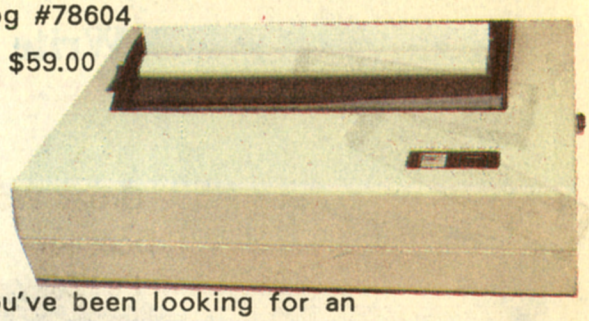
Serial ports, on the other hand, are more versatile - and therefore more difficult to operate. When you use a computer's serial port you must also run software which sets up the communication parameters.

Serial printers can also be more difficult to connect. The problem concerns which signals go to which pins. PCjr Serial Cables sold by PC Enterprises have the correct assignments for modems and mice but may require modification when used with some printers.

PCjr Compact Printer

Catalog #78604

Price: $59.00



If you've been looking for an inexpensive printer which can be attached to your PCjr without any adapters or cables consider the PCjr Compact Printer.

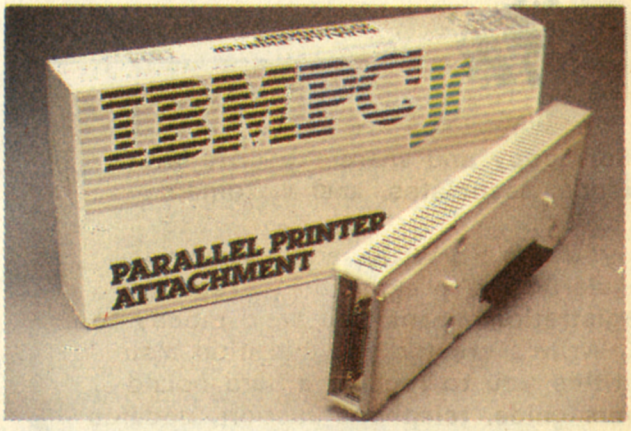
The PCjr Compact Printer was designed specifically for the PCjr. It therefore comes complete with its own cable which plugs into the S (Serial) connector in the rear of the PCjr.

It prints at 50 cps with four print modes available: standard (80 column), compressed (132 column), double width, and compressed double width. The PCjr Compact Printer can even underline and do graphics. It uses 8 inch wide thermal paper which is the reason why it is exceptionally quiet.

Use as your first - or second printer. An extremely small quantity are available.

Thermal Paper for above printer - 100'
Catalog #80030 Price: $4.99

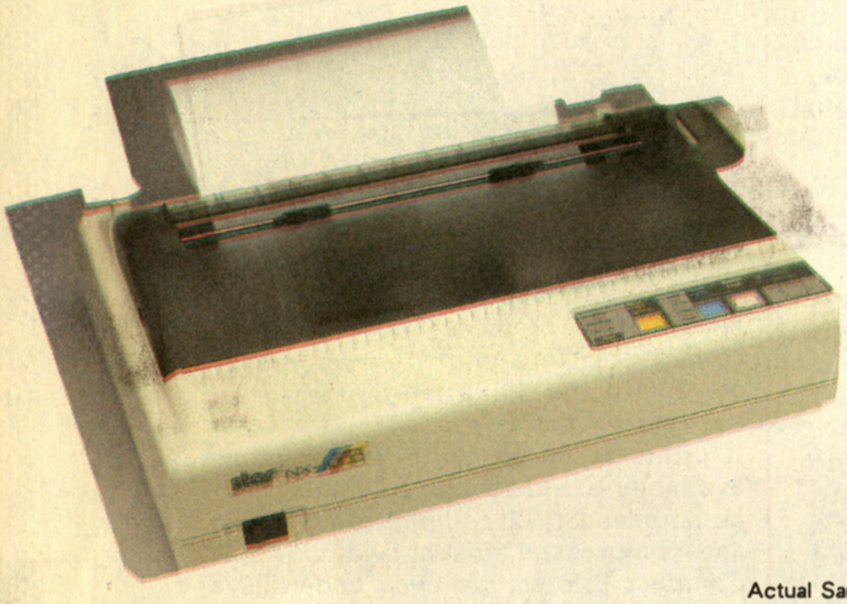
Parallel Printer Attachment



This is the Parallel Printer Attachment manufactured and marketed with the IBM label. It plugs into the side like any other PCjr sidecar and allows you to attach any industry standard printer which uses a parallel interface.

Catalog #79006 Price: $69.95

The Star NX-1000



Our Favorite Near-Letter-Quality Printer For Your Home or Office

Superior Quality, Speed and Ease-of-Operation

Actual Sample of Print

```
Draft characters,
Courier characters,
Sanserif characters,
ORATER WITH SMALL CAPITALS, OR
      with lower case characters,
and italics for all styles.
```

Sorry, Priority Service is not available for printers.

Features

- 144 cps High Speed Draft mode
- 36 cps Near-Letter-Quality mode
- Proportional Printing in All Fonts
- Convenient Push Button Control Panel
- Paper Parking Mechanism
- Tractor and Friction Feeds
- Both IBM and Epson Compatible
- Full One Year Manufacturer Warranty

Our favorite dot matrix printers. The NX-1000 and the NX-1000 Rainbow are great all around printers for anyone who does not need "typewriter quality" printing. They are fast and compact.

Use the "draft" mode to see a quick printout of your document. Make corrections, then press a button on the front panel and print your final draft in the "Near Letter Quality" mode.

Select the NX-1000 if you want the standard one color printer or the NX-1000 Rainbow to print in seven beautiful colors.

To connect these printers you'll also need a PCjr Parallel Printer Attachment (catalog #79006) and a Parallel Printer Cable such as catalog #22510-1 or #22510-3.

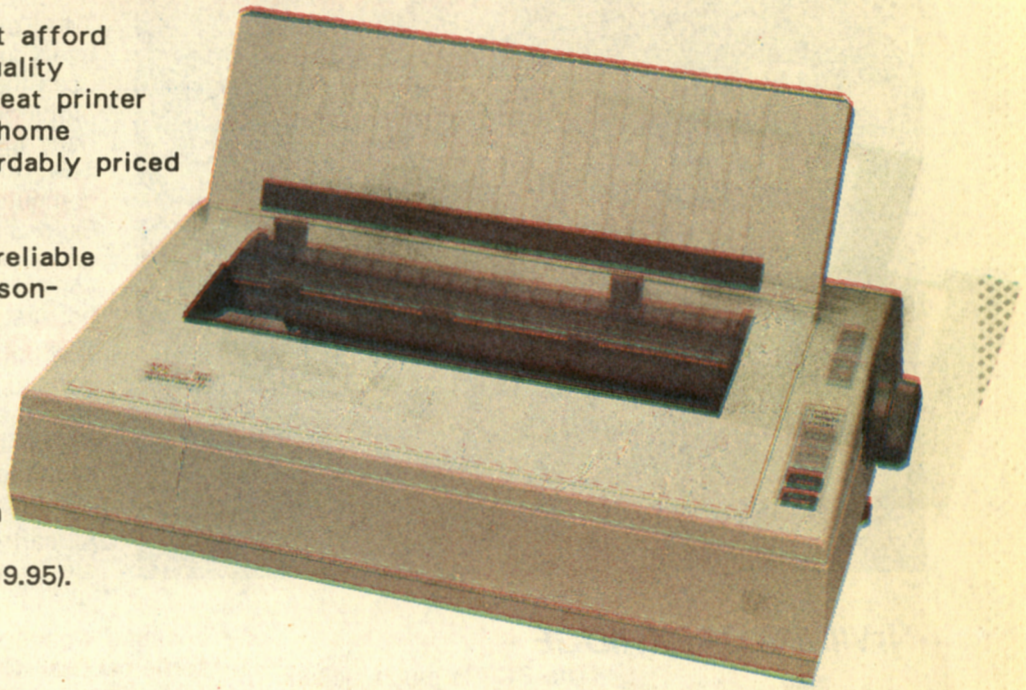
Star NX-1000 Printer
Catalog #78603 Price: $209

Star NX-1000 Rainbow Printer
Catalog #78605 Price: $269

A Letter Quality Printer that Plugs Directly into the PCjr without any other Adapters, Attachments, or Cables!

If you thought you couldn't afford professional-looking letter quality printing, think again. This great printer is suitable for business and home applications and is now affordably priced at just $395.

Now you can get a good, reliable letter quality printer at a reasonable price. And because the Spinwriter Elf 370 is designed specifically for the PCjr it works without any other adapters or cables. Best of all, it also works on IBM PC compatibles when used with our RS-232 Male Adapter (Catalog #15503 - $19.95).



Sample of Letter Quality Printing

Great Spinwriter Performance

The Spinwriter Elf 370 prints up to 190 words per minute, is unusually quiet, and features a user friendly operator control panel. It comes with a standard sheet guide, a single lever paper control, and an auto load feature that lets you feed and position paper automatically when using the sheet guide. In addition, the Elf gives you 10, 12, 15 and proportional spacing pitches, plus underscoring and bold and shadow print for variety and flexibility of format. And the Elf's bi-directional print capability ensures fast, smooth printing.

Software-Compatible, Too

The Elf 370 will work with just about any software package you run because it uses the popular NEC 3550 command set. And just in case you find an application which doesn't support the NEC commands flip a switch and the Elf 370 supports the IBM command set instead!

Interface

The NEC Elf 370 is easy to connect because it's designed specifically to operate with a PCjr. Just plug it into jr's serial port and away you go! The Elf 370 is ideal as a first printer or as a second if you already have a dot matrix printer and would like to add true letter quality printing.

Quiet, compact, affordable, and easy to operate...

Specifications

Maximum Print Speed: 19 cps
Average Print Speed: 16 cps
Print Buffer: 1024 bytes
Carriage width: 11 inches
10 pitch - 110 columns
12 pitch - 132 columns
15 pitch - 165 columns
Dimensions: 5.8" x 19.3" x 13"
Weight: 21 lbs

NEC ELF 370 Spinwriter for the PCjr

Catalog #78601 Reduced! New Price: $375

Sorry, Priority Service is not available for printers.

Supplies are limited.

Three Great BIOS Upgrade Cartridges that Change the Personality of your Computer

Now there are three great cartridges ava able to upgrade your PCjr. All three mak the PCjr easier and more enjoyable to operate because they actually change the personality of the computer.

The Keyboard Buffer Cartridge lets you use your keyboard while the computer uses the disk drive. It also corrects problems which often cause PCjr's to hang up and crash without warning. The jrVideo Cartridge speeds up the computer's screen writing routines and QuickSilver makes the PCjr boot quickly and silently. QuickSilver also enables you to run many PC programs which do not respond to the keyboard.

The three cartridge routines can be purchased in separate cartridges — or combined together in one. Combined, or Combo Cartridges are most popular because they are most cost effective — and because they only take up one slot.

All cartridges work in either slot, and all are compatible with Cartridge Basic.

jrVIDEO CARTRIDGE

"The PCjr is much slower than the PC. It seems to take longer to do everything. Directories take forever to finish scrolling and spreadsheet response is really sluggish. And games. They run so slowly they're just not a challenge."

Sound familiar? These are common assaults on the PCjr which are often launched from those who operate a PC. And for the most part they're legitimate. The PCjr does take longer to do certain things.

Other acceleration products available for the PCjr increase the computer's clock sr eed — thereby enabling the computer to execute instructions more quickly. But this is not enough. Computed results are meaningless until the computer writes information on the screen.

The jrVideo Cartridge includes three routines which speed up the PCjr's ability to write information on the screen. The improvement you see will at times be quite dramatic.

The first routine is activated automatically when the cartridge is plugged in. Sluggish BIOS screen writing routines are replaced with significantly faster jrVideo routines. All programs which use BIOS for screen writing now operate much faster than before.

A second routine activates DOS support of the speedup. The use of this routine is optional because it causes the PCjr to become too fast for some people. Once activated text will dash on-to and off-of your screen so quickly that you'll certainl want to become very familiar with the key on your keyboard labeled "Pause".

The third routine permits the PCjr to recognize added memory without slowing down the screen writing routines. Support is provided for the norma PCjr mode, Enhanced Graphics mode (lets you rur programs that work in 16 colors) or PC Compatibl mode (increases execution speed).

The jrVideo Cartridge also provides better "MODE" defaults, better register protection, and maintains shifted screen positions even when the MODE command is used. In addition, limited support of certain PC-AT and Enhanced Graphic Adapter (EGA) functions are also provided.

jrVideo Cartridge, Catalog #18002
$29.95

KEYBOARD BUFFER CARTRIDGE

For years the PCjr was sharply criticized because its keyboard couldn't be used while the disk drive was spinning. Other computers do not have this restriction because they have DMA — a feature which permits both the keyboard and disk drive to be used at the same time.

But the PCjr doesn't have DMA. That's why the com puter beeps when you

try to type while the disk drive is spinning. These beeps indicate the PCjr was too busy supervising a diskette operation to pay any attention to the keyboard.

Once you use other computers which have DMA the PCjr seems sluggish for this very reason. When you use a PCjr, you have to wait for the PCjr to finish doing what it wants-to-do just to tell it what you want-to-do!

With the Keyboard Buffer Cartridge installed a new keyboard routine replaces the usual BIOS routine that handles keyboard input.

As a result, you can type up to 47 characters while the disk drive is spinning -permitting the PCjr's keyboard to work just like it would if the PCjr had DMA.

The cartridge also improves system reliability because it corrects several bugs which relate to the PCjr's keyboard and NMI routines. These bugs are known to cause PCjrs to "hang up" and "crash" without warning.

The next time you find yourself waiting for the PCjr's disk drive to stop spinning remember that you don't need to wait any longer. Whether you choose the Keyboard Buffer Cartridge alone, or combined with our jrVideo and QuickSilver Cartridges, this is one PCjr product we don't think you should be without. We like the Keyboard Buffer Cartridge a lot and we're almost certain it will become one of your favorite PCjr products, too.

Keyboard Buffer Cartridge, Catalog #18001
$29.95

QUICKSILVER CARTRIDGE

When the PCjr is first turned on the computer counts up its memory then sounds a beep to indicate all is well. Users often complain this start up process takes much too long — and also that the beep heard at the end of the start up process tends to be quite annoying.

The QuickSilver Cartridge is designed for anyone who would prefer their PCjr to power up quickly and silently. Quickly because QuickSilver replaces the usual IBM memory test with a new test that's so fast and efficient that you'll hardly notice any delay at all. And silently because the QuickSilver Cartridge also eliminates that annoying beep otherwise sounded at the conclusion of the usual memory test.

What's even more important to most, the QuickSilver Cartridge modifies the PCjr BIOS to correct a problem with the int 9 routine — so you'll be able to run more PC programs than ever before!

QuickSilver Cartridge, Catalog #18027
$29.95

COMBO CARTRIDGE Version 1.0

The Keyboard Buffer and jrVideo Cartridge are available on a single cartridge. Order the Combo Cartridge version 1.0 and receive these two great products in one.

Combo Cartridge
Version 1.0
Catalog #18012
$54.95

COMBO CARTRIDGE Version 2.0

The Combo Cartridge version 2.0 combines all three — Keyboard Buffer, jrVideo, and QuickSilver all in one!
In addition, Combo version 2.0 will not easily become obsolete because we left room inside for a fourth routine that could be added at a later date.

Combo Cartridge Version 2.0, Catalog #18028
$69.95

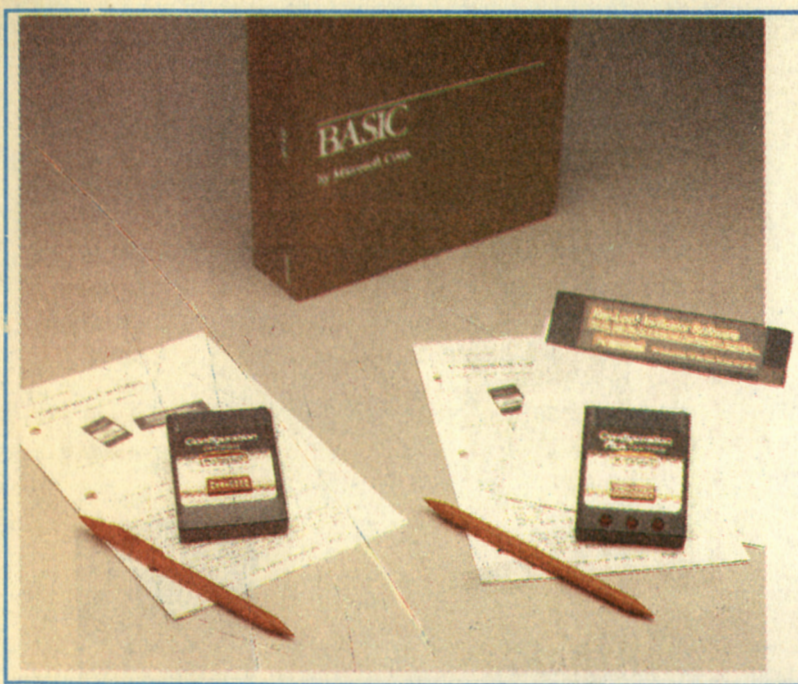
TRADE-INS ACCEPTED

If you previously purchased a Keyboard Buffer, jrVideo, or QuickSilver Cartridge from PC Enterprises and would now prefer to have the Combo Version 2.0 cartridge you can trade in your existing cartridge(s) and receive a credit towards a Combo Version 2.0.

The cost to upgrade to Combo Version 2.0 is $29.95 if you trade in two cartridges and $54.95 if you trade in one cartridge.

Contact PC Enterprises for details or mail your cartridge(s) in a small padded envelope or box to PC Enterprises, 2400 Belmar Blvd, Building B16, Wall, NJ 07719. On the outside of the package write the words, "Cartridge Upgrade" making sure the words can be read without opening the package, and please add $5 for return shipping and handling.

CONFIGURATION CARTRIDGES



FEATURES

- ❑ Start in the 40 or 80 column mode without software
- ❑ Start in Color or B&W mode without software
- ❑ Recognize additional disk drives without software
- ❑ PC/PCjr Identifier Switch
- ❑ Caps Lock Indicator Light (Configuration Plus Only)
- ❑ Num Lock Indicator Light (Configuration Plus Only)
- ❑ Scroll Lock or Insert Mode Indicator Light (Configuration Plus Only)

When the PCjr is first turned on the computer assumes you have a 40 column color monitor, a single disk drive, and that you want software to be able to determine that it's running on a PCjr. These are the PCjr's default settings.

Until now, these defaults were not so easy to change. Introducing the Configuration Cartridge and the Configuration Plus Cartridge. These products are designed to change the default configuration of your system. The Configuration Plus Cartridge is a Configuration Cartridge plus a key-lock indicator cartridge. The key-lock indicator cartridge has three lights to indicate the status of your Caps Lock, Num Lock and Scroll Lock keys.

Equipment Determination Switches

Other computers have switches to set up the type of display and the number of drives — the PCjr does not. The configuration cartridges add the switches IBM left out. Just set the switches and plug in the cartridge.

PC/PCjr Identifier Switch

Changes the System Identification byte of your computer from that of a PCjr to that of an IBM PC. You can even change this switch "on the fly" without rebooting. While fooling a program into "thinking" it's being run on an IBM PC will not turn your jr into a PC, it will permit you to run the PC version of certain programs. You can determine which programs run differently through trial and error. Writing Assistant (version 1.0) is an example of a program which becomes much more powerful in the PC mode.

The Configuration Plus Cartridge

Have you ever started typing only to find you were in the Caps Lock Mode — and you didn't want to be? The Configuration Plus Cartridge has an indicator light for Caps Lock. It also has a light for Num Lock and one for Scroll Lock. And because most people rarely use their Scroll Lock key you can change the Scroll Lock indicator to become an Insert Mode indicator — because you probably use your Ins key every day.

Run Basic Without the Basic Cartridge!

The diskette version of Basic can be found on your DOS diskette. While this program runs fine on an IBM PC a "Cartridge required" message is displayed when you try to run it on a PCjr.

The PC Enterprises Configuration Cartridge solves this problem. Just flip the PC/PCjr switch to the PC position and the cartridge will cause the PCjr to respond with the identification code for the IBM PC. Now, when you try to run the diskette version of Basic, it runs just as if you were using an IBM PC.

The diskette version of Basic is often preferred to Cartridge Basic because it is the same Basic that the IBM PC uses. In addition, the diskette version of Basic permits you to run slightly larger programs and it will not cause your system to crash if you have expanded your memory.

Often people who already have the Basic Cartridge replace it with the Configuration Plus Cartridge. When this is done the slot which is now dedicated to the Basic Cartridge also lets you take advantage of the other features built into the Configuration Plus Cartridge.

Configuration Cartridge
Catalog #18025 Price $19.95

Configuration Plus Cartridge
Catalog #18026 Price $29.95

Diskette Basic Manual
(Limited Quantities)
Catalog #79023 Price $24.95

PCjr Game Cartridges

Limited Quantities Please Call Before Ordering

Microsurgeon by IMAGIC

The patient is critically ill – and you are the microsurgeon! Start by checking the patients chart to see which vital organs need immediate attention. Next, manipulate a robot probe through the patient's blood stream to the diseased organ. The object is to destroy the disease before the patient becomes terminally ill. But beware – white blood cells will attempt to destroy you. And hurry – every second counts. Explore the human body as you cure 8 different types of diseases. Navigate through the patients lungs, liver, kidneys, stomach, intestines, brain, lymphatic system, and blood vessels. Fight disease with three different types of shots: Aspirin, antibiotic, and ultrasonic. Joystick recommended.

Catalog #18010 Price: $29.95

Scuba Venture by IBM

Explore treacherous underwater caverns and avoid perilous sea creatures as you search for buried treasure. The object of Scuba Venture is to score as many points as you can by collecting rare fish and by opening locked treasure chests with the keys that you can find lying on the ocean floor. But be careful. Some of the fish are poisonous to the touch, and electric eels can be fatal. And seaweed, seahorses, and cavern walls can block your diver's way and cause your diver to be swept into the hungry jaws of the untiring, deadly fish that chases you on your journey. Joysticks optional.

Catalog #18020 Price: $29.95

Mine Shaft by IBM

Danger! Flood waters have short-circuited your robot miners... and now they're running berserk. How can you retrieve your fortune in gems without being destroyed? The object is to guide your mining car through a maze to pick up four jewels. Meanwhile, you shoot berserk robots with your laser gun. Mine Shaft is a good, though easy, arcade game. The characters are rendered fairly well with good detail and the animation is smooth. The game is fun to play, especially if you're not an arcade game wizard with hand-eye coordination that defies belief.

Catalog #18022 Price: $29.95

Demon Attack by IMAGIC

Save the Earth! Use your Laser Cannon to blast the demons from your outpost on the moon. Wave after wave of eerie demons attack. Each has it's own attack style and weapon. Then, blast off and take the offensive by attacking the demon's lair. Demon Attack is not recommended for those with weak hearts or for those who prefer slow paced strategic games. Demon attack is a fast action shoot-em-up arcade style game which will keep you glued to your joystick. It is certainly one of, if not the most exciting PCjr game cartridges we have ever carried. If you only intend to purchase one PCjr game cartridge, Demon Attack is the game to buy. Joysticks required.

Catalog #18011 Price: $29.95

Mouser by IBM

Mice are on the loose in Farmer Wheatbreads farmhouse. You must trap them by surrounding them with the movable walls that are in each room. Some rooms are dark and if you haven't picked up a flashlight you will be unable to find your way. You may pivot the walls clockwise or counterclockwise; if two walls end up on top of one another, a push from the farmer will cause them to separate. The graphics are as sharp, detailed, colorful, and attractive as many coin-operated games – and the play concept is original and interesting. Mouser is really a strategy game. Quick action is not necessary for success. Instead you must figure out how to get the walls across the room to where the mouse is. This game is notable in that it is nonviolent – you try to cage the mice, not blow them to bits. So, if you want a nonviolent game that challenges your cleverness more than your reflexes, Mouser may be the game for you. Joysticks optional.

Catalog #18024 Price: $29.95

Crossfire by IBM

Play Crossfire. Defend your city against dangerous spiders and other menacing insects running madly through the streets... determined to destroy everything in their path! Joystick recommended.

Catalog #18023 Price: $29.95

PCjr Mouse and PC Paint Plus

Make your Software User-Friendly

A mouse is a hand held pointing device which makes even the most complex software package fun to run. Imagine... Click a button and a menu appears on the screen. Now move the mouse until the arrow on the screen points at the command you wish to select. Finally, click the button again... and your wish is your command. All without taking your eyes off the screen!

Included with the mouse is a disk full of software. Mouse drivers are supplied for programs designed to work with a mouse. Pre-designed mouse menus are included for a long list of popular programs which were not designed to work with a mouse. And still another program lets you create and design your own mouse menus... for just about any software package you want. It even comes with a popular mouse game so you'll be able to start using your mouse right away.

But much more important compatibility problems are rare indeed because the Mouse System's mouse is a standard in the industry. And because it's an optical mouse there are no moving parts to wear out. And no balls to keep clean.

A Graphics Package Which is Fun to Use

In just a few short minutes PC Paint Plus will turn your PCjr into a powerful graphics development tool. PC Paint Plus lets you draw pictures quickly and easily - and when used on a PCjr you can use up to 16 colors at the same time! Best of all, the program is easy to use because it works with a mouse.

Point at the pencil and click the mouse. Now draw a quick sketch just as if you were holding the pencil in your hand. Next point at the spray can and spray on some color. Make a mistake? Point at the eraser and click again. It's fun and it's easy.

PC Paint Plus not only lets you draw pictures but lets you create signs, banners, and even load and edit graphs and pictures created with other programs. Such as Lotus 1-2-3. And PC Paint Plus supports a long long list of printers so you'll be able to integrate the graphs, charts and diagrams you create with text printed with your favorite word processing software. Three disk set.

PC Paint Program (Requires 384K
Catalog #86012 Price: $44.95

PCjr Optical Mouse with PCjr connectors

Select this mouse if you are not presently using the PCjr's serial ("S") port. Everything that you need is included. The mouse plugs into the PCjr's serial and light pen ports. These are the connectors in the rear of the PCjr marked with the letters "S" and "LP".

Mouse Only
Catalog #75502 Price: $89.00

Mouse with PCjr Connectors & Paint Program
Catalog #75513 Price: $129.95

PCjr Optical Mouse with a male DB25 connector

Select this mouse if you are already using the "S" connector in the rear of the PCjr. This mouse uses a male 25 position D connector which can be plugged into a "serial" switching box such as catalog #75501. Also uses the light pen ("LP") connector.

Mouse Only
Catalog #15505 Price: $99.00

Mouse with DB25 Connectors & PC Paint Program
Catalog #75514 Price: $139.95

PCjr Joysticks and Light Pens

Joysticks!

The IBM PCjr Joystick is the most popular PCjr joystick ever made. This is the actual joystick manufactured specifically for the PCjr to IBM's specification and quality standards.

The PCjr comes already set up and ready to connect either one or two joysticks. Whether you need a joystick for a serious business application - or just to play a game these joysticks are ideal.

Thousands have been sold for almost $40 dollars each - but now while our supplies last the very same joystick can be purchased from PC Enterprises for just $19.95!

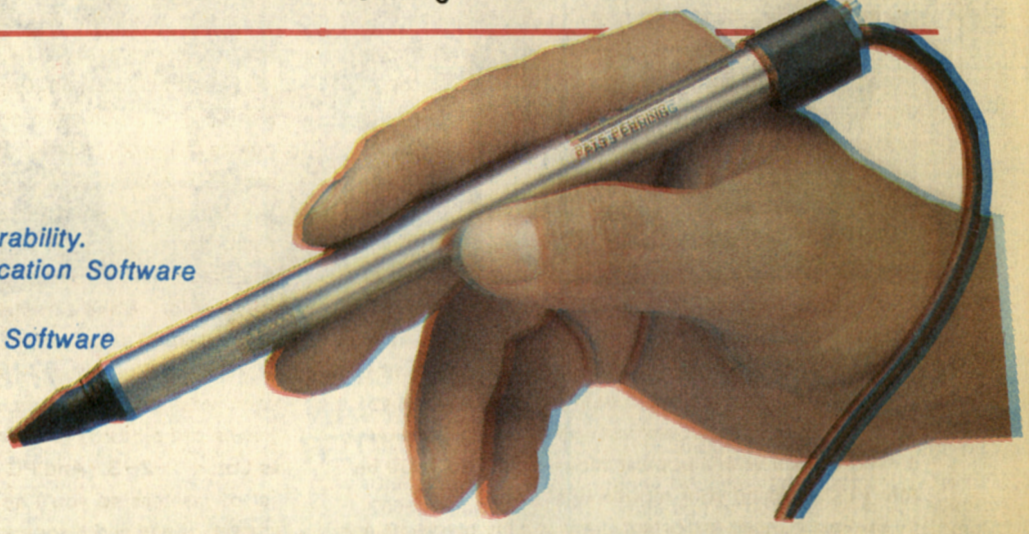
But hurry, supplies are low and when we run out it's not likely that we'll be able to get any more.

IBM PCjr Joystick
Catalog #74506 **Price: $19.95**

Light Pens!

Features

- *Stainless Steel Body for Durability.*
- *Comes Complete with Application Software Package.*
- *Operates with all Light Pen Software*
- *Includes Game Software.*



A light pen is a bridging device between man and machine. It permits people to operate computers without taking their eyes off the screen. Much more important, a light pen permits computer operation without hampering your thought process or your creativity.

When you use a light pen you point to what you want. The light pen therefore offers a natural form of communication. One hand operation offers precise computer control with less effort and greater efficiency.

As fast as you can point to what you want to do, it is done. The ease and speed with which you can use your computer will amaze you. The light pen is the nearest thing to your normal thought process and frees you to do something the computer can't do, create.

Light pens are especially popular with those who write their own programs because the light pen commands are easy to use and fun to program with. Use the light pen to select options from a menu instead of the keyboard.

Software is included so you can start using your light pen right away. The programs provided permit you to create graphic presentations, play Solitaire, Reversi, or Backgammon, or an educational game of World and United States geography.

In addition to the programs supplied, the light pen will work with any other program designed to work with a light pen, as well as any other programs which you write a light pen driver for.

Catalog #75101 **Price: $119.00**

Three Great Reasons to Buy Software from PC Enterprises

1. ***Compatibility*** — All software sold by PC Enterprises is guaranteed to run correctly on a PCjr — or your money back. While most PC programs run without modification, programs which normally will not run are opened and enhanced for PCjr compatibility before leaving our facility.

2. ***Superior Graphics*** — Although the PCjr does run most programs designed to run on an IBM PC with a CGA card, the PCjr is not TANDY compatible. As a result, the PCjr will not normally run the 16-color TANDY version of programs you buy. Whenever practical, PC Enterprises modifies the TANDY version of software so the 16-color mode works correctly on the PCjr. (Note: PAPERBOY is one such example).

3. ***Price*** — Our prices are very competitive and we invite you to shop and compare. And best of all, we never charge extra when we modify or enhance a program for operation on the PCjr.

CALIFORNIA GAMES

Requires 640K
Catalog #86608
List $39.95 Our Price $29.96

Put on your knee pads — you're about to have the most fun you've had since Mom hid your skateboard. Enter six wild events and compete against up to eight players. Win enough trophies to become a California champion!

TEST DRIVE

Requires 384K
Catalog #86604
List $39.95 Our Price $29.96

If you've ever wondered what it would be like to experience the power and performance of the words's most exclusive cars, wonder no more. Test Drive puts you behind the wheel of five exceptional automobiles in a driving simulation that's guaranteed to ignite your adrenalin. Test drive a Ferrari Testarossa, a Lotus Turbo Esprit, a Porsche 911 Turbo, a Lamborghini Countach and a Corvette.

SPACE QUEST: THE SARIAN ENCOUNTER

Requires 256K
Catalog #86607
List $49.95 Our Price $37.96

The player will board enemy space ships, explore alien landscapes and encounter weird creatures in this tale of action and adventure in deep space. Features 3-D graphics and animation, arcade sequences and an inventive plot.

PAPERBOY

Requires 256K
Catalog #86602
List $39.95 Our Price $29.96

You're the Paperboy and it's time to begin your route. Hop on your bike and ride through not-so-typical suburbia. Foil the robbers and win fame and fortune as you brave mean streets. Avoid traffic, tires, motorcycles, tricycles, gratings and other obstacles.

THEXDER

Requires 256K
Catalog #86613
List $34.95 Our Price $26.21

Transform the robot Thexder into a jet plane and pilot through 16 battle scenarios. Features graphics and animation.

POLICE QUEST

Police Quest, Catalog #86606
Requires 256K
List $49.95 Our Price $37.46

Police Quest 2, Catalog #86615
Requires 640K
List $49.95 Our Price $37.96

A 3-D animated adventure game that puts you in the role of a police officer in a mid-American town. Work your way from a street cop to undercover narcotics agent in a quest to bust a big-time drug dealer nicknamed "The Death Angel". Includes a policeman's indoctrination guide and activity map.

SOFTWARE THAT'S FUN-TO-RUN!

For the young...

MIXED-UP MOTHER GOOSE

Requires 256K.
Catalog #86207
List: $29.95 Our Price $18.72

A fantastic entertainment program for young children which requires absolutely no reading skills. Once the program is started, a child can take over with very little instruction, because only a few computer keys are necessary to play.

ALF

Requires 256K
Catalog #86603
List $14.95 Our Price $11.21

Alf's best buddies from Melmac have crash landed their spaceship on Earth! Guide Alf through the maze-like neighborhood, as he collects all that was lost from the spaceship. Join him in the race against time and the Dog Catcher as you help him collect objects, rebuild the spaceship, and return his friends safely to space!

WHO FRAMED ROGER RABBIT?

Requires 384K
Catalog #86617
List $39.95 Our Price $29.96

"Toon in" to the zany, wacky world of Roger Rabbit! Outrageous graphics, animation and sound effects recreate sequences that put the fate of Toontown in your hands. Can Roger find Marvin the Gag King's Will before Judge Doom "dips" Toontown off the face of the earth?

For the not-as-young...

PSYCHO

Requires 256K
Catalog #86610
List $24.99 Our Price $18.74

Travel to the Bates Motel to unravel this mystery. Enter both the Motel and the forbidden house on the hill. Search for clues. Keep your eyes alert and your back to the wall as you encounter the psychotic Norman Bates and his curiously silent mother.

WHERE IN THE WORLD IS CARMEN SANDIEGO?

Requires 256K
Catalog #86611
List $39.95 Our Price $29.96

The metropolis awakens to find the Statue of Liberty's torch gone... Stolen! There are 10 possible suspects, 30 cities and nearly 1000 clues. Decipher clues by looking up facts in the World Almanac (included). A different game every time you play.

WHERE IN THE USA IS CARMEN SANDIEGO?

Requires 256K
Catalog #86612
List $44.95 Our Price $33.71

The sequel to "Where in the World Is Carmen Sandiego?". Research clue information in Fodor's USA travel guide which provides maps of each state as well as specific state by state descriptions. A total of 16 suspects, 50 states and more than 1,500 clues. Thousands of random games.

And for those over 21...

LEISURE SUIT LARRY IN THE LAND OF THE LOUNGE LIZARDS

Requires 256K
Catalog #86601
List $39.95 Our Price $29.96

A humorous and harmless 3-D animated adventure game for adults. Larry is the original blind date nightmare — the kind of guy you wouldn't want your daughter to date, let alone meet. The goal is to help Larry become a hit with the ladies. Go with Larry to the disco — see if Larry finds someone to dance with. Or sit at the bar and offer an attractive young woman a drink. Maybe even take her to the casino! Test your luck — and your wit with this exciting singles scene game of the 80's. Must be 21 or older to play.

LEISURE SUIT LARRY GOES LOOKING FOR LOVE

Requires 512K and Speed Up Board
Catalog #86609
List $49.95 Our Price $37.46

Why is it that some of the loveliest ladies in the western hemisphere are suddenly hot to get there hands on Larry and why is Larry resisting their advances? You and Larry are off on another exciting adventure. Larry wins the lottery (or does he?). Now Larry is looking only for Miss Right as opposed to Miss Right Now. Will Larry get lucky and find someone who loves him for the person that he is? Must be 21 or older to play.

SPINNAKER'S LINE OF EARLY LEARNING GAMES FOR YOUR CHILD'S GROWING MIND

Computers are everywhere. They're at work. At home. And in the schools. That's why it makes sense to introduce your children to computers at a very young age.

These PCjr game cartridges are designed to teach children computer fundamentals. They help your child become familiar with the return key, the space bar, the cursor, menus, arrow keys, and the mechanics of starting and restarting a program.

Children who are already familiar with computer fundamentals have an important advantage when computers are first introduced in the school. These game cartridges therefore give your children, or your grandchildren, a head start over other children.

Cartridge Software Bonanza

Hurry. Supplies are limited so this offer will not last forever. Just $12.95 each. Better yet, buy any two at the same time and get the third FREE! The Spinnaker Cartridge Software Bonanza Package includes Facemaker, Kindercomp, and Fraction Fever.

Special Offer

Spinnaker Cartridge Software Bonanza
Catalog # 10024 Special Price $24.90

Introduce your Children to Computers!

FRACTION FEVER

FRACTION FEVER brings fractions into play. Ages 7 to adult.

FRACTION FEVER is a fast-paced arcade game that challenges a child's understanding of fractions. As kids race across the screen in search of the assigned fraction, they're actually developing a basic understanding of what a fraction is and of relationships between fractions. They're even discovering that the same fraction may be written in a number of different ways. All in all, Fraction Fever encourages kids to learn as much as they can about fractions —just for the fun of it!

Fraction Fever Game Cartridge for the PCjr, Catalog #18005 Price $12.95

KINDERCOMP

Numbers, shapes, letters, words and drawings make fun. Ages 3 to 8

KINDERCOMP is a game that allows very young children to start learning on the computer. It's a collection of learning exercises that ask your children to match shapes and letters, write their names, draw pictures, or fill in missing numbers. And KINDERCOMP will delight kids with colorful rewards, as the screen comes to life when correct answers are given. As a parent, you can enjoy the fact that your children are having fun while improving their reading readiness and counting skills.

Kindercomp Game Cartridge for the PCjr, Catalog #18004 Price $12.95

FACEMAKER

FACEMAKER makes faces fun. Ages 3 to 8.

FACEMAKER lets children create their own funny faces on the screen. Once a face is completed, your children will giggle with delight as they make it do all kinds of neat things: wink, smile, wiggle its ears, or whatever their imagination desires. Plus, FACEMAKER helps children become comfortable with computer fundamentals such as: menus, cursors, the return key, the space bar, simple programs and graphics. FACEMAKER won't make parents frown because their children will have fun making friends with the computer.

Facemaker Game Cartridge for the PCjr, Catalog #18003 Price $ 12.95

Education Software

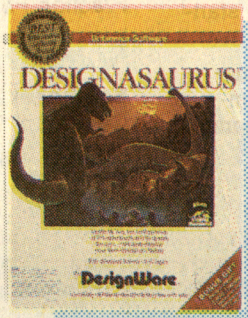
And remember! When you buy software from PC Enterprises you never need to worry whether or not the program runs on a PCjr. Because we guarantee the program will run — or your money back!

So don't worry — even if someone should tell you a program listed in our catalog does not run on a PCjr. We might just be selling a special version of the program that's been enhanced by PC Enterprises for PCjr compatibility.

MATH BLASTER

Requires 256K
Catalog #86201
List $49.95 Our Price $37.46

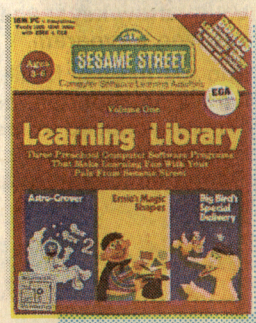
With over 600 problems covering addition, subtraction, multiplication and division, this program will help teach your child the basics of math. It even includes fractions, percents and decimals. Designed for children grades 1 to 6.



DESIGNASAURUS

Requires 512K
Catalog #86206
List $39.95 Our Price $29.96

An exciting program for everyone who loves dinosaurs! The program has three parts: Walk-A-Dinosaur, Build-A-Dinosaur and Print-A-Dinosaur, which increase the child's interest in science and stimulates creative and independent thought.



LEARNING LIBRARY

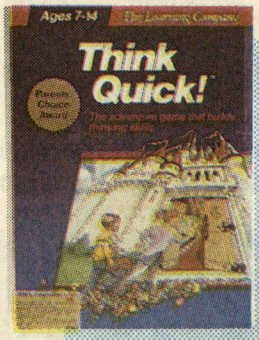
Requires 256K
Catalog #86209
List $29.95 Our Price $18.72

Three preschool computer software programs that make learning fun with your pals from Sesame Street. Let Ernie, Big Bird and Astro Grover help your child learn about numbers, shapes and classification concepts.

READER RABBIT

Requires 256K
Catalog #86203
List $39.95 Our Price $29.96

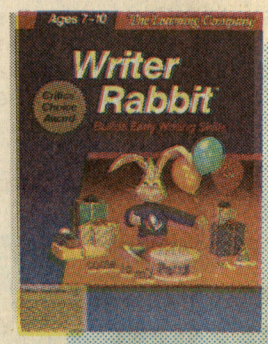
Helps preschool and kindergarten children learn the fundamentals of reading and spelling. With Reader Rabbit, your child will learn to improve memory skills, vocabulary and even their concentration.



THINK QUICK

Requires 256K
Catalog #86204
List $49.95 Our Price $37.46

An educational, fun game which will help build your child's thinking skills. With six different game levels, your child will go from room to room solving different puzzles. Designed for ages 7 to 14.



WRITER RABBIT

Requires 256K
Catalog #86208
List $39.95 Our Price: $29.96

Teaches children the basic building blocks for writing. In six carefully sequenced games, children learn to put together words and phrases to build complete sentences. Grades 2 to 4.

CHUCK YEAGER'S ADVANCED FLIGHT TRAINER by Electronic Arts

Climb into the cockpit with Chuck Yeager, the greatest test pilot of them all! Learn the basics of flying Cessnas. Break the sound barrier in the Bell X-1, Ride an SR-71 Blackbird to the very edge of space. You'll follow Yeager through death-defying stunts, race against 6 computer opponents.

Requires 256K
384K Recommended
Catalog #86506
List $39.99
Our Price: $31.19

STARFLIGHT by Electronic Arts

Where no space game has gone before... You and your crew take off for the core of the galaxy — and soon discover that you're not alone. Talk to seven alien races. Explore over 270 star systems. Mine the riches of 800 planets. Set out on a far-reaching journey to save the entire universe.

Requires 384K
512K Recommended
Catalog #86505
List $49.99
Our Price: $38.99

13 WAYS TO FIRE UP YOUR JR!

CHESSMASTER 2100 by Software Toolworks

The national best seller that made chess history. With an unprecedented selection of features, 3-D board view, 20 levels of play, 71,000 opening moves, and a US Chess Federation rating of 2018, The Chessmaster 2100 is a knowledgeable tutor, an impartial referee — and a powerful opponent.

Requires 384K
512K Recommended
Catalog #86508
List $44.99
Our Price: $35.09

EARL WEAVER BASEBALL by Electronic Arts

New standard in baseball simulation software. Action game that challenges your skill and pits you against a friend... or Earl Weaver.

Requires 384K
512K Recommended
Catalog #86507
List $39.99
Our Price: $31.19

221B BAKER STREET by Datasoft

Join Sherlock Holmes, Dr. Watson, Inspector Lestrade and Irene Adler as they solve 30 intriguing cases.

Requires 256K
384K Recommended
Catalog #86509
List $34.99
Our Price: $27.29

BRUCE LEE by Datasoft

20 screens of excitement and skill as the martial arts master sets out on a quest for immortality and wealth. Can he triumph over Ninja assassins and the Green Yamo?

Requires 128K
256K Recommended
Catalog #86510
List $24.99
Our Price: $19.49

SOLARSIM
by James Tursa, for Interstel

Solarsim puts an entire planetarium inside your IBM-PCjr! Use Solarsim for stellar navigation, and planetary movements.

Requires 256K
384K Recommended
Catalog #86502
Our Price: $27.29

DS TUTOR
by Design Software

DS Tutor is a powerful, interactive educational tool designed to teach beginning users how to use a personal computer and the DOS system.

Requires 256K
384K Recommended
Catalog #86015
Our Price: $31.19

THE BARD'S TALE
by Electronic Arts

The legend began here — with a heroic band of adventurers, an evil wizard named Mangar, and a mythical city called Skara Brae. Realistic first-person animated graphics, the fastest gameplay of any dungeon fantasy, and the unique powers of the Bard — a unique character whose magic is in his music.

Requires 256K
384K Recommended
Catalog #86504
List $49.99
Our Price: $38.99

STAR FLEET I
by Interstel

Your ship: one of the most powerful fighting cruisers in the universe. Your mission: to protect the Alliance from invasion. Your challenge: meet the enemy's artificial intelligence with your own cunning. This is one of the most complex, challenging star fantasies ever!

Requires 256K
384K Recommended
Catalog #86501
List $49.99
Our Price: $38.99

FIRST EXPEDITION
by Interstel

Thousands of miles of uncharted ocean. Hundreds of unexplored islands. Pirates. Traders. Storms. Braun the Explorer sets out with one boat, one companion, and a star to navigate by. You'll negotiate with natives, conquer the unknown, and make your fortune wherever the currents carry you!

Requires 384K
512 Recommended
Catalog #86503
List $49.99
Our Price: $38.99

MASTER NINJA
by Paragon Software

Evil Ninja warriors. Samurai guards . Mystic priests. Black magic. Deadly tigers. Authentic weaponry. An enchanted world of white-hot action and real-life martial arts technique. Large 3½ characters let you see every move up close, and the exotic 3-D graphics are so detailed that even the constellations in the sky are accurate!

Requires 384K
512K Recommended
Catalog # 86511
Our Price: $17.29

MAVIS BEACON TEACHES TYPING!
by Software Toolworks

Dynamic progress charts track improvements in 25 areas. It's like having the world's best typing teacher at your elbow!

Requires two drives, 256K
Catalog #86016
List $44.99
Our Price: $35.09

SOFTWARE CLASSICS

YOUR CHOICE

$14.95

PATTON VS. ROMMEL

Requires 256 K Catalog #86523

Take the role of General George Patton or Field Marshal Erwin Rommel as they battle for the future of Europe!

MUSIC CONSTRUCTION SET

Requires 128K Catalog #86513

The bestselling music composition program in computing history.

DR. J AND LARRY BIRD GO ONE ON ONE

Requires 128K Catalog #86514

Take on the characteristics of the Bird or the Doctor — shooting abilities and speed are at your command.

PINBALL CONSTRUCTION SET

Requires 128K Catalog #86515

Create your own video pinball games. Over two dozen working pinball parts, including bumpers and flippers.

SEVEN CITIES OF GOLD

Requires 128K Catalog #86516

Explore the New World as Cortez did: dealing with navigation, disease and not-always-friendly natives.

ARCTIC FOX

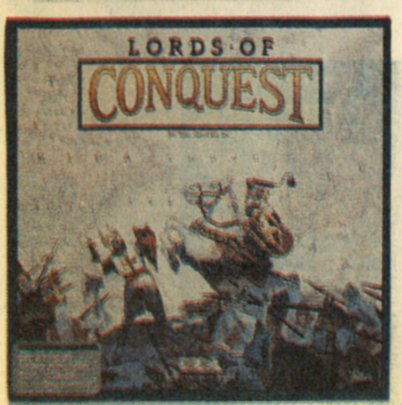
Requires 128K Catalog #86522

The best combat tank simulation ever! You'll control lasers, cannons, mines, heavy armor and point-of-view guided missiles.

SUPER BOULDERDASH

Requires 128K Catalog #86517

You get the original award-winning action strategy game BoulderDash — plus Super BoulderDash, the exciting sequel.



LORDS OF CONQUEST

Requires 256 K Catalog #86524

A great conquer the world strategy game! A world map is your battlefield and world conquest is your goal.

The programs that require 128K of memory will run faster when at least 256K is installed. Also note that certain titles are enhanced by PC Enterprises for PCjr compatibility.

Play these exciting TV Game Shows right in your own home!

FAMILY FEUD
Requires 256K
Catalog #86701 $12.99

WHEEL OF FORTUNE I
Requires 384K
Catalog #86702 $12.99

WHEEL OF FORTUNE II
Requires 384K
Catalog #86703 $14.99

JEOPARDY
Requires 256K
Catalog #86704 $12.99

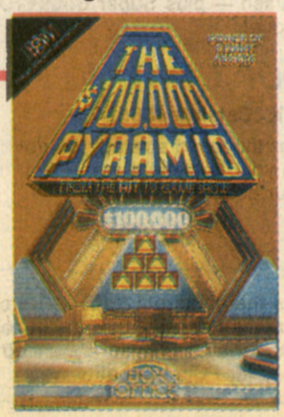
JEOPARDY II
Requires 256K
Catalog #86705 $12.99

CONCENTRATION
Requires 384K
Catalog #86706 $12.99

CARD SHARKS
Requires 256K
Catalog #86707 $14.99

HIGH ROLLERS
Requires 384K
Catalog #86708 $14.99

$100,000 PYRAMID
Requires 256K
Catalog #86709 $14.99



Productivity Software

PRINT SHOP

This program allows you to design your very own signs, banners, invitations, letterheads and more. With a large range of designs and eight different typefaces, it's like having your very own print shop right at home.

Requires 128K
256K Required for Color Printing
Order Catalog #86301
List $59.95 Our Price $44.96

PRINT SHOP COMPANION

Expand your print shop! This program includes more typefaces, borders and graphics. Now you can design your own alphabets with the font editor. The print shop companion will let you take your creativity one step further.

Requires 128K
Catalog #86302
List $49.95 Our Price $37.46

QUICKEN

A perfect software program designed for handling home finances. Will help with check writing, tax record keeping, financial reporting, budgeting and cash management.

Requires 256K, 384K Recommended
Catalog #86303
List $49.95 Our Price $39.96

MANAGING YOUR MONEY 5.0

An integrated personal financial package. Let Andrew Tobias help you through budgeting, tax planning and investment analysis. Includes the new tax bills for 1986, 1987, 1988.

Requires 128K, 256K Recommended
Catalog #86304
List $219.98 Our Price $164.99

FIRST CHOICE 3.0

A good program for the first time computer owner with business needs. Includes word processing, file management, business graphics, spreadsheet analysis and more!

Requires 512K, 640K Recommended
Requires 2 drives
Catalog #86312
List $179 Our Price $134.25

SAT (BARONS)

Designed to help you prepare for your scholastic aptitude test. Good practice for all types of questions. Will help to point out your weaknesses.

Requires 128K, 256K Recommended
Catalog #86309
List $49.95 Our Price $37.46

COPY II PC

Protect your valuable software investments. Copy II PC is one of the best back up programs for copy protected disks. It allows you to back up most copy protected disks including business, entertainment and educational software.

Requires 256K
Catalog #86314
List $39.95 Our Price $29.96

MICRO COOKBOOK

Need cooking ideas? This program allows you to choose from over 150 different recipes from all over the world. Designed to make cooking fun and easy!

Requires 256K, 384K Recommended
Catalog #86310
List $49.95 Our Price $37.46

CERTIFICATE MAKER

Create your own certificates. Choose from over 200 certificates in many different categories. Includes various typefaces and borders. Also includes over 3 dozen colorful seals. Works best with a dot matrix printer.

Requires 256K
Catalog #86311
List $39.95 Our Price $29.96

So You Thought You Had to Pay the Cover Price when you Bought a Best Selling Book! Not So... Buy Now and SAVE 20%!

The ABC's of MS-DOS

(formerly ABC's of PC-DOS)

Alan R. Miller
233 pages
Cover Price: $18.95

Hands-on experience - without technical detail - for first-time users. Step-by-step tutorials show how to use essential commands, handle disks, use application programs, and harness your PCjr's capabilities. Complete through DOS 3.3.

Catalog #85027
Price: $15.16

Understanding DOS 3.3 (formerly Mastering DOS)

Judd Robbins
678 pages
Cover Price: $24.95

"The most useful DOS book." This four-part, in depth tutorial addresses the need of users at all levels. Topics range from running applications, to managing files and directories, configuring the system, batch file programming, and techniques for system developers.

Catalog #85030
Our Price: $19.96

The ABC's of WordPerfect

Alan R. Neibauer
Cover Price: $18.95
Our Price: $15.16

This basic introduction to WordPerfect consists of short, step-by -step lessons - for new users who want to get going fast. Topics range from simple editing and formatting, to merging, sorting, macros and more.

ABC's of WordPerfect v4.2
239 pgs, Catalog #85023

ABC's of WordPerfect v5
283 pgs, Catalog #85028

Mastering WordPerfect

Susan Baake Kelly

Step-by-step training from startup to mastery, featuring practical uses (form letters, newsletters and more), plus advanced topics such as macro creation, sorting and columnar math.

For version 4.2 (425 pgs)
Cover Price: $22.95
Catalog #85011 Price: $18.36

For version 5 (709 pgs)
Cover Price: $24.95
Catalog #85029 Price: $19.96

The ABC's of 1-2-3

(Second Edition)
Chris Gilbert/Laurie Williams
245 pages
Cover Price: $18.95

Online Today recommends it as "an easy and comfortable way to get started with the program". An essential tutorial for novices, it will remain on your desk as a valuable source of ongoing reference and support.

Catalog #85026
Price: $15.16

Mastering 1-2-3

Carolyn Jorgensen
466 pages
Cover Price: $24.95

Get the most from 1-2-3 Release 2 with this step-by-step guide emphasizing advance features and practical uses. Topics include data sharing, macros, spreadsheet security, expanded memory, and graphics enhancements.

Catalog #85024
Our Price: $19.96

dBASE III PLUS Programmer's Reference Guide

Alan Simpson
1035 pages
Cover Price: $26.95

Programmers will save untold hours and effort using this comprehensive, well organized dBASE encyclopedia. Complete technical details on command and functions, plus scores of often-needed algorithms.

Catalog #85020
Our Price: $21.56

Understanding dBASE III PLUS

Alan Simpson
415 pages
Cover Price: $22.95

A solid sourcebook of training and ongoing support. Everything from creating a first database to command file programming is presented in working examples, with tips and techniques you won't find anywhere else.

Catalog #85021
Our Price: $18.36

Prices are subject to change. As newer revisions and editions become available to us we'll supply them automatically.

Preferred Books for your PCjr

IBM PC and PCjr Logo Programming Primer

Don Martin, Marijane Paulsen, Stephen Prata - 456 pages
Designed for newcomers to the world of Logo and the IBM PCjr, this book teaches the revolutionary Logo programming language quickly and easily with exciting visual feedback. By using Logo's "turtle graphics" to introduce key programming ideas, you learn the new "top down" method of program design. This book teaches the elements of Logo in easy to read style. Each chapter has command summaries and practice exercises to help reinforce the concepts presented in the chapter. This book can be used by individuals, young and old, and for group classes.
Catalog #85007 Price: $24.95

Software Construction Set for the IBM PC and PCjr

Eric Anderson - 352 pages
This book offers programmers a complete package of valuable software tools that will aid them in designing and building programs. Much more than a collection of specialized subroutines, Software Construction Set for the IBM PC and PCjr contains techniques, advice, and individual routines that you use to build your own custom made programs. Refer to it when you need to find the best way to store and retrieve information... perform data searches... sort... build windows... use disk files.. display charts and graphs... and more. Put the IBM BASIC examples to work right now and see how fast, efficient, reliable, and easy to use your programs will be. Spend less time programming and debugging and start enjoying your computer and programs.
Catalog #85010 Price: $19.95

IBM PC and PCjr Programs for the Home

Charles D. Sternberg - 204 pages
This comprehensive collection of practical home application programs will help the novice or experienced PCjr user increase the usefulness of his or her computer. Each program is documented with a description of its functions and operation, a listing in IBM BASIC, a symbol table, sample data, and one or more output samples. Programs include home finance, kitchen helpers, scheduling, household operation and activities, recreation, and other generally useful programs such as building/printing a sequential disk file, formatting, and turning a computer into a calculator.
Catalog #85009 Price: $15.95

IBM PCjr Assembler Language

David C. Willen - 352 pages
Using a microprocessor identical to the IBM PC, the PCjr has greatly expanded audio-visual capabilities. Take advantage of this and learn to write Assembler Language programs to run on the PCjr. A few of the subjects you can learn about in this book are: 8088 architecture, macro assembler, PCjr system board, video processor, and controlling PCjr peripherals.
Catalog #85006 Price: $15.95

IBM PC and PCjr Computer Workout

Software Lab East - 62 pages
You'll have quite a workout solving over 40 crossword puzzles, word searches, mix and match games, and other fun games. Included are programming tips that will help you put your programs into great shape. Have fun while you test your computer's problem solving skills and develop your programming muscles. Do the IBM PC & PCjr Computer Workout. For ages 7 and up.
Catalog #85008 Price: $2.95

Closeout - Books!

Books have always been extremely popular with PCjr owners - especially books which teach you how to use your computer and the Basic programming language. Basic is a tool which lets you use your computer to solve complex problems in minutes. But good PCjr books, especially books which concern Basic, are becoming increasingly difficult to find.

Our continuing search for quality PCjr books at affordable prices led us to these three books. We like these books so much that we bought out the publishers! Now we can sell them at a fraction of their original list price! And while our supplies permit, you can buy all three for about the price you would expect to pay for just one!

IBM PCjr for Students

Designed to help students grades 7 through adult learn to use and program the PCjr. Learn about your PCjr system unit and its add-on devices. About microprocessors, RAM, and ROM. You'll even learn about DOS, diskettes, and printers. And receive detailed lessons on using Basic. Divided into a series of 26 individual lessons which feature a hands on approach to learning. The lessons are designed so that each one involves a discovery as well as a problem solving activity. Several lessons are dedicated to showing the student how the PCjr can be used to help with school work. Interesting examples are included with each lesson. 564 pages.

IBM PCjr for Students
Catalog #85004 Price: $4.75

Basic Exercises for the IBM PCjr

This book uses the learn by doing approach, a truly effective teaching method. It offers a practical and entertaining way to learn BASIC. Through progressive, step-by-step examples, you will learn the fine points of the language and learn how to write your own programs. With a little practice, you will be using your PCjr to compute taxes, forecast sales, calculate the rate of growth, find the average of a sequence of measurements, perform many routine accounting, statistical, and financial tasks. Includes numerous short type in programs and subroutines. 251 pages.

Basic Exercises for the IBM PCjr
Catalog #85014 Price $6.95

IBM PCjr Basic Programs in Minutes

You don't have to be a programmer to program your PCjr. These versatile, ready to enter programs will enable you to perform over 65 home and business tasks with your PCjr. Build a college fund, calculate the future of an IRA, create telephone and mailing lists, maintain an automobile log, calculate the effect of accelerating mortgage payments plus much much more. Many of these programs can be entered and ready to run in less than 10 minutes. Take instant advantage of all PCjr functions without programming experience. 174 pages.

IBM PCjr Basic Programs in Minutes
Catalog #85013 Price $9.95

Special Offer

Super Saver Package #1 - *Includes IBM PCjr for Students and Basic Exercises for the IBM PCjr.*
Order #10032 Price: $9.95

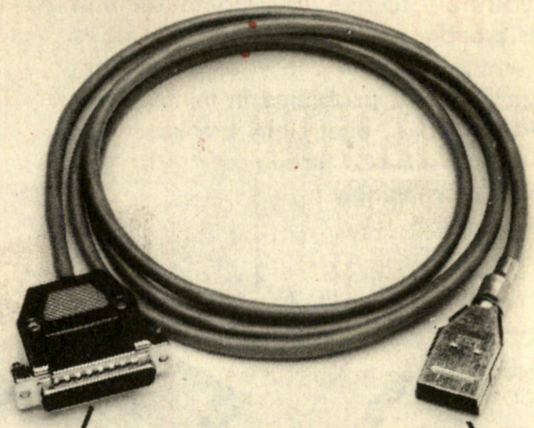
Super Saver Package #2 - *Buy All Three and pay less than you'd expect to pay for just one*
Order # 10028 Price: $16.95

PCjr Cables and Switching Boxes

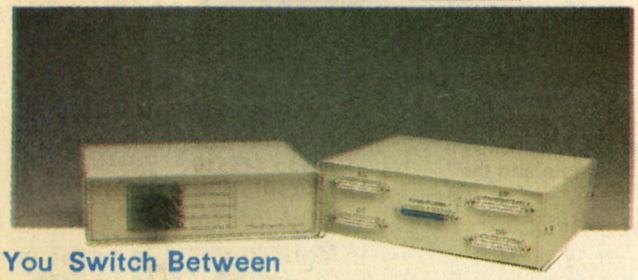
PCjr Serial Cables connect to RS232 Devices

Now you can select the correct length serial cable for your system! These cables make your PCjr Serial port "look" just like the serial port used by the IBM PC. With a PCjr Serial Cable attached you'll be able to connect peripheral devices designed for the IBM PC directly to your PCjr. Shorter cables are often used to connect to switching boxes and to mice. Longer cables are normally preferred when attaching to other computers, external modems, and printers.

Length	Catalog #	Price
18 inch	22505-3	$15.50
3 foot	22505-4	$16.95
6 foot	22505-5	$19.95



Switching Boxes



Lets You Switch Between Different Devices Without Unplugging any Cables!

Switching boxes permit you to attach more than one device to the same port on your computer. Once installed you will be able to change the device selected with the flip of a switch. Twenty-five position switching boxes are often used to connect an external modem to your computer at the same time as a mouse or printer. These same boxes can also be used to connect more than one printer to one computer or more than one computer to a single printer. Nine pin switching boxes are commonly used to connect two computers to the same monitor. Select an AB Box if you want to switch between two devices and the ABCD box to switch between four devices. Cables not included. Nine pin AB box not shown in photo.

AB Box with 9 pin D Type Connectors
Catalog #75512 Price: $24.95

AB Box with 25 pin D Type Connectors
Catalog #75501 Price: $29.95

ABCD Box with 25 pin D Type Connectors
Catalog #75515 Price: $39.95

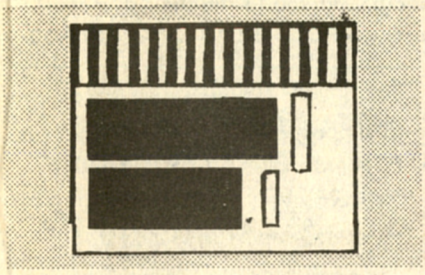
25 Position Cables

These cables connect any two devices which use 25 position D type connectors. Regardless of whether used to connect simple serial devices or parallel printers these cables will work fine because they connect all 25 positions.

This cable is commonly used to connect the PCjr serial port to a switching box, modem, or other serial device when the PCjr serial cable which you already have is too short. One end of this cable has a 25 position female connector which can be plugged directly into an IBM or PC Enterprises PCjr serial cable. The other end can then be plugged into the serial device you want to use. It has a 25 position male connector. Shielded, 25 conductor, 6 foot.
Catalog #22513-1 Price: $14.95

This cable has two common uses. If you want to connect a switching box to a serial printer, mouse, or modem this cable will do so nicely. Perhaps an even more common use is for those who use two printers with one computer – or two computers with one printer. This cable can attach from your computer to the switching box. Shielded, 25 conductor, 6 foot.
Catalog #22506-1 Price: $14.95

NEW! ComSwap Board



Corrects Problems which Concern the PCjr's COM Port

If you use a Modem, Mouse, or Serial Printer and DO NOT also have an Internal Modem installed the COMSWAP Board is one new product you shouldn't be without.

The ComSwap Board sets up the PCjr so that all PC programs you run will correctly address the PCjr's Serial Port when they look for COM2:. Without the ComSwap Board you can never be quite sure whether to tell programs that you're using COM1: or COM2:. Worse yet, if you're not using ComSwap other PC programs won't work at all!

The ComSwap Board plugs into the PCjr's Internal Modem slot and makes the PCjr's RS232 Serial Port become 100% address compatible with COM2: on an IBM PC.

While the ComSwap Board is strongly recommended to anyone who does NOT have an internal modem installed it is especially important if you are using an external modem because all software packages that operate modems address the computer's Serial Port.

The ComSwap Board therefore makes your PCjr become even more compatible with the IBM PC — and increased compatibility means your PCjr will be able to run even more PC programs.

So if you've ever had trouble running a program that was supposed to operate a modem, mouse, or printer — or if you're the type of user that likes to prevent a problem before it occurs, order a ComSwap Board today!

Features

- Makes the PCjr's RS-232 port address compatible with the IBM PC
- Permits the PCjr to run more PC programs
- Simple Installation — Just plug it into the internal modem slot
- Easy to use — Plug it in and forget about it
- Permanent Fix — Works without running any software
- Ends COM port mystery — RS232 port becomes COM2: for all programs

Catalog #15506 Price: $9.95

External Modems

Special Offer

When you purchase any external modem from PC Enterprises you'll receive a free ComSwap Board and $15 CompuServe Credit at no extra charge!

1200 and 2400 BAUD Hayes Compatible Modems

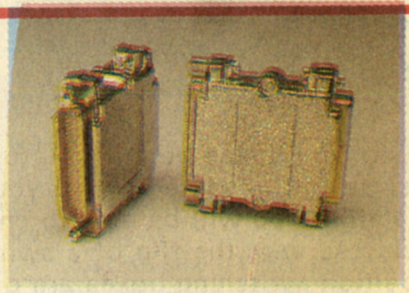
Now you have two great external modems to choose from! The 1200 baud modem features 1200/300/110 baud selection and our 2400 baud modem features these speeds as well as 2400 baud. Both have auto/dial auto/answer and auto/speed detect capabilities. Both have eight front panel status lights, an RS232 interface, and an external power supply. The 1200 baud modem also has two push buttons for manual control of baud rate and the voice/data feature.

But most important of all, these modems have been found to work extremely well with the PCjr. You will also need a PCjr serial cable (such as our catalog #22505-4) to connect either modem to your PCjr. Or, if you already have something plugged into the PCjr's serial port you can connect the modem to one of our switching boxes (such as #75501) with cable #22506-1. The switching box can then be connected to the PCjr with a PCjr serial cable.

1200 Baud External Modem
Catalog #75507 Price: $129.00

2400 Baud External Modem
Catalog #75516
Reduced! Now Only $199.00

D-Type Gender Changers



Gender Changers are indispensable when you want to attach two cables or devices which will not mate because they both have the same gender connector.

Female Gender Changers

Female gender changers have female contacts on both ends and permit joining two devices or cables which both have male connectors.

25-Position Female Gender Changer for D-type Connectors
Catalog #75509 Price: $7.95

Male Gender Changers

Male gender changers have male pins on both ends and permit joining two devices or cables which both have female connectors.

25-Position Male Gender Changer for D-type Connectors
Catalog #75508 Price: $7.95

Null Modem/Serial Printer Adapters

This adapter looks just like our 25-position gender changers except that they have male pins on one side and female pins on the other.

PCjr Serial cables (#22505) are designed to connect any Hayes compatible external modem or mouse to your PCjr directly. They can also be used to connect some serial printers.

You must also use a Null Modem Adapter if you want to connect your PCjr's serial port to the serial port of another computer.

Certain serial printers also require a Null Modem Adapter because a different pinout is needed as compared to a modem. To use these printers on a PCjr, try our Null Modem/Serial Printer Adapter. This adapter will change the pinout of the Serial cable so that it is correct for most serial printers.

Catalog #75510 Price: $8.95

What To Do If Your PCjr Ever Breaks

The IBM PCjr is certainly one of the most reliable home computer's ever sold - nevertheless even the most reliable computer may at times require service. That's why service should be a real concern. What would you do if someday your PCjr should break?

Relax. It's not likely you'll ever need to send your PCjr to the repair shop. Thanks to the PCjr's built-in diagnostics and self tests troubleshooting is a snap, and plug-in replacement parts make repair just as simple - even for those who are not technically inclined.

If your PCjr ever breaks refer to the pages of this catalog titled, "Reconditioned Replacement Parts For Your PCjr". Fixing your computer is as simple as determining which of these twelve parts have stopped working.

Now Spare Parts are Just a Phone Call Away!

The Testing section of your Guide to Operations Manual (the red binder that came with the PCjr) explains the error messages and provides instructions on running the built-in self tests. The Hardware and Service Manual (#79016) is another product available to help isolate problems. This product lets you run the advanced self tests. And the Sams ComputerFacts (#79002) is considered invaluable by those with technical background.

Of course, if you prefer you could send your computer to us and we'll repair it. Just contact our Customer Service Department for instructions. We'll even arrange for a local UPS representative to pick up your system and bring it to us, if you desire.

When we receive your system we'll test it and tell you which original equipment replacement part you will need. If you purchase the part we'll even install it. And for this service we only charge $25. That's right, just $25!

That's why PCjr owners will never have trouble finding parts or someone knowledgeable to service their PCjr - because unlike other companies that abandoned the PCjr PC Enterprises is the PCjr specialist committed to servicing the PCjr as long as the need exists.

Closeouts

PCjr Hardware and Service Manual

Provides step by step test procedures which help identify problems you may encounter with your PCjr. Includes four special test adapters which plug into the rear of the PCjr and permit you to run the Advanced Power On Self Test. Catalog #79016 Price: $79.00

PC-DOS 2.1

The DOS designed to support the PCjr. PC-DOS 2.1 is compatible with all PCjr expansion products (new). Catalog #86011 Price: $49.95

PC-DOS 3.2

Recommended for anyone who uses a high density disk drive. This version of DOS does not require any software device drivers to read or write high density diskettes (opened). Catalog #78723 Price: $59.95

PCjr Cartridge Basic (used)

Catalog #78722 Closeout Price: $89.00

The IBM Assistant Series that you've probably seen advertised on TV. A word processor, database program, spreadsheet, and a graphing program. What other software package could you ever need? Ideal for beginner and intermediate users. Limited supplies.

Writing Assistant (v1.01)

A great word processor which includes a built in spelling checker. (Diskettes Only, no manual). Catalog #86020 Closeout Price: $29.95

Filing Assistant

The easiest to use Database program we've ever tested. Use with Writing Assistant to produce form letters. Catalog #86019 Closeout Price: $29.95

Planning Assistant

A spreadsheet program. Also works with other Assistant Series programs. Catalog #86006 Closeout Price: $29.95

Graphing Assistant

Generate graphs, charts, and other visual effects. Works with other Assistant Series programs. Catalog #86018 Closeout Price: $29.95

Buy Three and Get the Fourth Free!

Assistant Series Package Special
Order #10035 Price: $89.85

Complete PCjr System Units

Why take the chance that you'll experience any down time at all?

What better insurance can you possibly buy to protect your investment than a second Monitor or System Unit? These previously owned Color Displays and Enhanced Model PCjr System Units can now be purchased for a fraction of what they would cost if new.

The PCjr Color Display is the monitor that plugs into the D connector on the rear of your PCjr. The monitor includes a built in speaker.

The Enhanced Model PCjr is a complete PCjr system which includes everything needed to run software - except the monitor. Now two models are available. The IBM Enhanced Model includes 128K of memory, a floppy disk drive and the improved PCjr replacement keyboard. The PCE Enhanced Model is a new version recently introduced by PC Enterprises. It is identical to the IBM model except 256K of internal memory is included.

PCjr system units are often purchased for use as a second system - or saved as a spare. They are also frequently purchased by people who are experiencing some sort of problem with their existing PCjr and would like a second system to help determine which part has gone bad.

When the cost and inconvenience associated with having your PCjr serviced is considered, a second PCjr is a real bargain.

PCjr Color Display
Catalog #78705 Price: $199

(IBM version)
128K Enhanced Model PCjr System
Catalog #78704 Price: $199

(PCE version)
256K Enhanced Model PCjr System

Catalog #78728 Price: $299

Save the Most when you Trade-In Defective PCjr Parts

Many replacement parts in our catalog qualify to receive a trade-in credit when the defective part is returned to PC Enterprises in accordance with our Trade-in policy.

The Trade-in credit is "store credit" and is accepted at face value for anything sold by PC Enterprises.

The certificate which entitles you to receive the credit is sent automatically - regardless of whether you intend to trade-in the defective part. This means there's no need to tell anyone at the time you place your order that you're trading in a defective part.

Trade-in Policy and Instructions

1. Buy the replacement part from PC Enterprises and pay the regular price. When you receive the replacement part order you'll also receive a certificate for proper trade-in credit.
2. Return the defective part along with the certificate, postage prepaid, to PC Enterprises within 60 days of the time you receive the replacement part.
3. Write the words "Trade-In Enclosed" on the outside of the package that contains the defective part.
4. Upon acceptance of the item(s) returned for credit PC Enterprises will validate your certificate and return it to you via US mail.

This trade-in program was established to insure low cost replacement parts remain available as long as the need exists. PC Enterprises therefore reserves the right to refuse any item returned for trade-in which in our opinion has been modified, is not complete, or can not be repaired by us due to abnormal damage. Please allow 2-4 weeks.

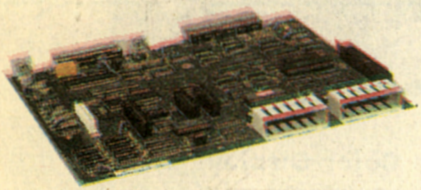
Reconditioned Replacement Parts

PCjr System Cabinet

The actual plastic cabinet used to contain a PCjr computer. This is the plastic case only and does not include any electronics.

Catalog #78716 Price: $29

Sorry, no trade-ins accepted for this item.



System Board

The main system board (motherboard) of the PCjr computer. The System Board should be replaced if a problem you experience is not caused by one of the PCjr's plug in add-on boards. Your system will often display a white or a black screen when this board is defective.

Catalog #78718 Price: $148

Trade-in Credit: $50

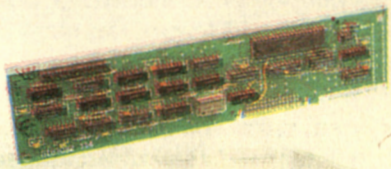
Disk Drive Adapter Card

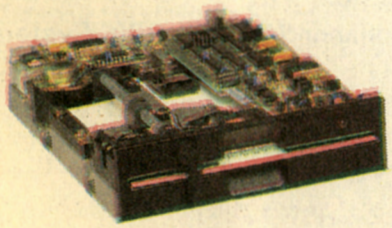
Controls the operation of the disk drive. When this board goes bad you may receive disk drive errors (sector not found, error reading..., error writing..., disk boot failure, etc), an Error H message, or the computer will go straight into BASIC without ever trying to read the drive.

Note: The same problems can also be caused by a defective disk drive.

Catalog #78708 Price: $50

Trade-in Credit: $25





Diskette Drive

The PCjr's internal disk drive. If your drive goes bad you'll normally receive a disk drive error message. Disk drives are mechanical devices and therefore periodically need adjustment. For this reason, many people purchase a replacement disk drive to keep on hand as a spare.

Catalog #78719 Price: $98

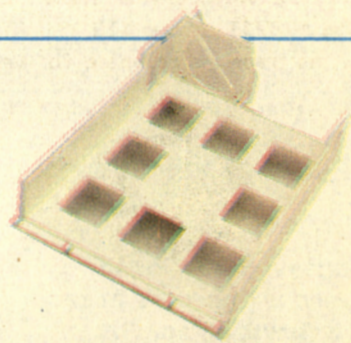
Trade-in Credit $39

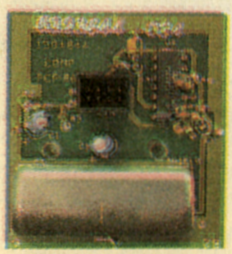
Plastic Disk Drive Mounting Shelf

The plastic shelf that snaps into the PCjr and holds the disk drive and fan in place. This item is often purchased by people who damage their original while removing the PCjr's disk drive.

Catalog #78725 Price: $2.95

Sorry, no trade-ins accepted for this item.





Wireless (IR) Receiver

This circuit board plugs into the PCjr system board and receives the information transmitted by the PCjr's cordless keyboard. When this item goes bad you'll normally receive an Error B message or the PCjr cordless keyboard may not work correctly.

Catalog #78710 Price: $38

Trade-in Credit: $19

All Reconditioned Parts Subject to a 90 Day Warranty and All Sales are Final

Refer to the Terms and Conditions section of our order form for details.

For Your PCjr

Power Supply Card

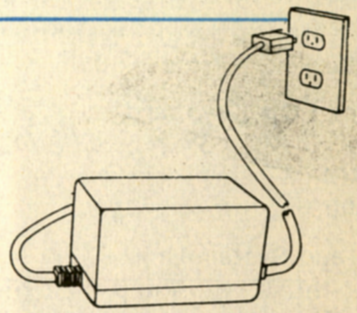
This is the original power supply card that plugs inside the PCjr computer. If you do not see or hear anything happen when the PCjr's power switch is turned on you should suspect this card should be replaced. Note that a bad power transformer will cause similar problems.

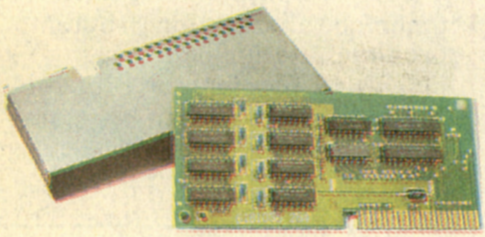
Catalog #78707 Price: $50
Trade-in Credit: $25

Power Transformer

The Power Transformer resembles a black brick which has a cord attached to both ends. When this goes bad you will not see or hear anything happen when the PCjr is first turned on. You can test the transformer by measuring the output voltage, or by swapping it with a known good transformer such as the transformer included with the PCjr Power Attachment Sidecar.

Catalog #78712 Price: $44
Trade-in Credit: $12





64K Memory and Display Card

The PCjr's internal memory card increases memory from 64 to 128K. If this card goes bad your display may be "messed up" or your system may display the 64K Error A message. Note: the metal shield shown in the photo was not provided with all PCjr's.

Catalog #78709 Price: $50
Trade-in Credit: $25

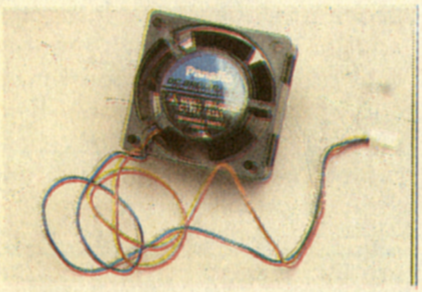
Replacement Keyboard

The improved version of the PCjr wireless keyboard. This is the actual keyboard manufactured for IBM which was provided with the PCjr. Often purchased and saved as a spare.

Replacement Keyboard (as shown in photo)
Catalog #78717 Price: $25

Chicklet Keyboard (not shown)
Catalog #78726 Price: $15

Sorry, no trade-ins accepted for keyboards



Diskette Drive Fan

The actual fan that mounts on the rear of the Disk Drive Mounting Shelf. When the PCjr is first turned on you should hear the sound of this fan. If this fan ever stops working the computer can overheat – causing permanent damage to other components (usually the system board). Often purchased as a spare.

Catalog #78720 Price: 9.95
Sorry, no trade-ins accepted for this item.

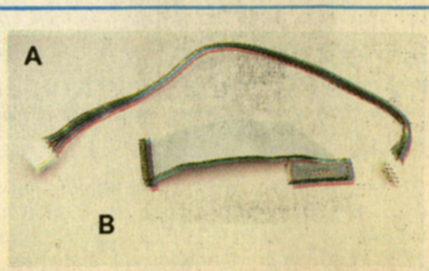
Cables

A Power Cable

The black, flat cable which attaches from the disk drive to the power supply card. Catalog #91814 Price: 9.95

B Disk Drive Signal Cable

The grey, flat ribbon cable which attaches from the disk drive to the Diskette Drive Adapter Card. Catalog #91813 Price: $9.95



Sorry, no trade-ins accepted for these items.

Dust Covers

Dust often plugs ventilation holes causing excessive heat build up and premature component failure. With these custom designed covers your system will not only stay looking like new longer but it may last much longer as well. All vinyl. Color beige.

Dust Cover for PCjr Monitor

Fits the IBM PCjr Color Display. Designed for those who keep their monitor alongside the system unit.
Catalog #72002 Price: $10.95

Dust Cover for PCjr Keyboard

Fits both the chicklet or improved version of the original equipment PCjr wireless keyboard.
Catalog #72003 Price: $4.95

PCjr Monitor and System Unit

Designed for those who keep their monitor on top of the PCjr system unit. One piece construction fits systems with one internal disk drive.
Catalog #72001 Price: $14.95

PCir Monitor and Two Drive System Unit

As above except for systems with two internal disk drives. Fits PC Enterprises, Racore and Legacy floppy or hard disk expansion systems.
Catalog #72005 Price: $14.95

New!

Let Two Computers Share Your PCjr Color Display

Now you can connect two computers to your PCjr Color Display and select the computer that uses the display with the flip of a switch. Both kits come complete with everything needed.

Kit #1 lets you connect two PCjrs to one PCjr Color Display.
Kit #2 lets you connect one PCjr and on PC compatible to your PCjr Color Display.

Kit #1
Connect two PCjrs to one PCjr Color Display.

Qty	Catalog #	Description	Price	Amount
1	75512	Monitor AB Switching Box	29.95	29.95
2	22515-1	Cables (PCjr to switching box)	19.95	39.90
1	22511-1	PCjr Monitor Adapter	24.95	24.95

Catalog #10026 Regular Price: $94.80
Kit Price: $74.95

Kit #2
Connect one PCjr and one PC compatible to your PCjr Color Display.

Qty	Catalog #	Description	Price	Amount
1	75512	Monitor AB Switching Box	29.95	29.95
1	22515-1	Cable (PCjr to switching box)	19.95	19.95
1	22516-1	Cable (PC Compatible to switching box	14.95	14.95
1	22511-1	PCjr Monitor Adapter	24.95	24.95

Catalog #10027 Regular Price: $89.80
Kit Price: $69.95

BASIC Programming with the IBM PCjr - David C. Willen

This book on programming the PCjr will introduce you to the fascinating world of programming your computer. It is meant to be read with a PCjr at your side. As each fundamental concept and capability of PCjr BASIC is presented, the emphasis will be on practical applications and programming technique. And to enable you to concentrate on technique the sample programs provided are included on a diskette - so you won't have to spend hours typing in programs to see how they work.

Catalog #86001
Was $24.95 **Now: $19.95**

Sams ComputerFacts for the PCjr

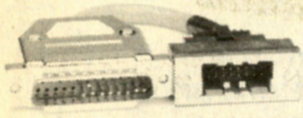
Take the trouble out of troubleshooting. Provides a step by step troubleshooting procedure to help you identify and isolate problems. Identifies test points and the correct waveforms which should be present, provides point to point resistance measurements, and logic level tables. In addition, many type-in BASIC programs are included which enable the testing, alignment, and repair of the disk drive and other system components. Includes a set of full size easy-to-read schematics for the PCjr motherboard, power supply, 64K memory expansion, disk drive and disk drive controller card. A must for anyone with a technical background.

Catalog #79002 **Price: $34.95**

Other Adapters and Cables

Actual Adapter May or May Not Resemble the Adapter Shown in the Photo

RS232 Adapter for PCjr Peripherals



Connects printers, mice, and other devices which use PCjr serial connectors to switching boxes or to other computers

Attaches to PCjr serial peripheral and changes the PCjr serial connector to an RS232 connector. Male RS232 connectors plug into AB and other switching boxes without any other adapters. Female RS232 connectors permit you to attach the PCjr serial peripheral to an IBM PC or other compatible.

RS232 Male Adapter for PCjr Peripherals
Catalog #15503 Price: $19.95

RS232 Female Adapter for PCjr Peripherals
Catalog #15504 Price: $19.95

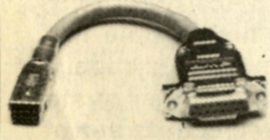
PCjr Monitor Adapter

2" x 1 5/8" x 3/4" **Front** **Rear**

Lets you use your PCjr Color Display with PC compatibles! One end attaches to the cable connected to the PCjr Color Display. The other end has a male 9 pin D connector that plugs directly into the PC's CGA card. A half inch clearance is required around the PC's 9 pin connector for the adapter to fit. If you don't have this clearance you'll also need the extension cable.

PCjr Monitor Adapter
Catalog # 22511-1
Price: $24.95

Extension Cable
Catalog #22517
Price: $9.95



Joystick Adapter

Permits you to use single button IBM PC joysticks with your PCjr. Single button joysticks work with games designed to run on the PC. Programs designed specifically for a PCjr may require a two button joystick.

Catalog #22503-1 Price: $14.95

Adapter for Color Displays

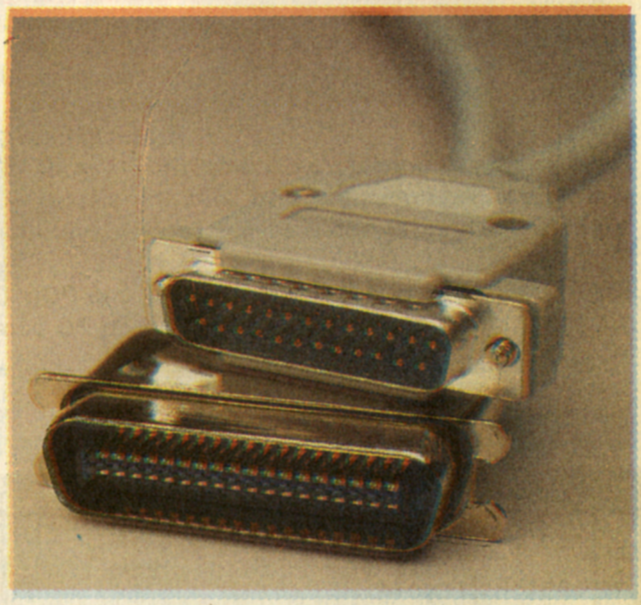
Attach an industry standard color monitor to your PCjr

Permits industry standard RGB color monitors to be used with the PCjr or a PC Convertible. One end of this adapter plugs into the connector marked with a "D" in the rear of the computer. The other end of this adapter has a female 9 pin D connector which plugs into the male 9 pin D connector found on the monitor. This adapter is for RGB (color) monitors only and will not work with a monochrome display.

Adapter for Color Displays
Catalog #22509-1 Price: $19.95

Printer Cables

Works with all PCjr and PC Compatible Parallel Printer Ports!



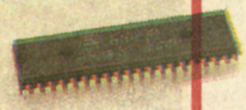
Allows you to connect any printer which has a standard parallel interface to the PCjr or a PC compatible. Has a male 25 pin D connector on one side and a Centronics 36 pin connector on the other. Shielded.

Parallel Printer Cable, 6 foot
Catalog #22510-1 Price: $14.95

Parallel Printer Cable, 10 foot
Catalog #22510-3 Price: $19.95

OTHER PRODUCTS

V20 Chips



Here's a quick, easy, and inexpensive way to improve the performance of your computer.

The PCjr normally uses the 8088 microprocessor. While the 8088 may have been very popular in it's time, today faster and more efficient microprocessors are frequently preferred.

The V20 microprocessor is a plug in replacement for the 8088. It has become very popular because it's completely compatible with the 8088 instruction set — only much faster. Improvements in the V20's micro code enable faster operation without increasing the clock speed of the computer.

You'll be able to measure an improvement in execution speed that varies from zero to about 40% — depending upon the application. The most significant improvement will be noticed during number crunching — making the V20 a favorite of those who use spreadsheet software.

You can find your PCjr's 8088 microprocessor underneath the original disk drive. Remove the PCjr's disk drive and look for the 40 pin IC marked with the numbers 8088. (If you don't know how to remove the PCjr's disk drive there are excellent illustrations in the PCjr Guide to Operations Manual). In most cases the 8088 will be mounted in a socket. This means you'll be able to install a V20 without special tools or skills. If your 8088 is soldered to the board we'll be happy to install a V20 for you (installation charge $25).

Whether your PCjr is still running at the usual 4.77MHz — or whether you've already turned it into a 10MHz screamer, the V20-10 is right for you because it's guaranteed to work correctly at speeds up to 10 MHz!

V20-10 Microprocessor
Catalog #19001-3 Price $16.95

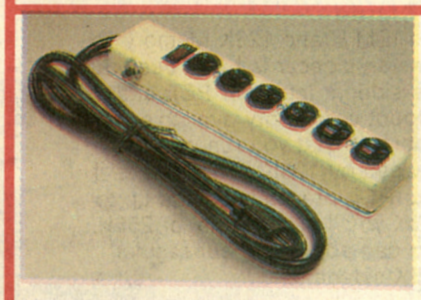
Mousetops

"Mousetop is unquestionably the cutest mouse cover on the market." — MacUser (March 1987)

Mousetops are more than just a dust cover... they can be worn while using your mouse because they will not hinder mouse operations. No doubt you'll want to keep your mouse warm, clean, and covered all the time. And Mousetops fit the Mouse Systems Optical Mouse as well as virtually all other mouse devices. Mousetops are made of plush fur and are available in two color schemes — grey with grey ears and white with pink ears. Both mice wear wire frame granny glasses. And both are as fun to give as they are to receive.

Mousetop — Grey with Grey Ears
Catalog #72009-1 Price $9.95

Mousetop — White with Pink Ears
Catalog #72009-2 Price $9.95



Surge Protector and AC Power Strip

Every computer should be protected!

Power surges often cause computers to crash. Worse yet, these surges can also permanently damage your system. If a power surge occurs while you're using the computer the your may hang up — or strange patterns may appear on the screen. All unsaved data is lost.

Surge protectors will not prevent your data from being lost, but they will often prevent permanent damage from occurring when the power surges back on. They use metal oxide varisters which act as shock absorbers, limiting potentially damaging electrical transients.

One surge protector is all you need to protect your computer, monitor, printer, modem and other peripherals because each surge protector comes with six outlets. An illuminated master switch and 15 amp breaker is also included.

The surge protector can also be used to power on your computer and all its accessories with one switch! UL listed.

Catalog #79001 ***New Low Price*** **$9.95**

Closeouts on IBM Brand Accessories!

Adapter Cables for Cassette Recorders

This cable permits you to attach a cassette recorder or other device to the cassette port of the PCjr. This port was originally intended to be used to save information on cassettes, but today, PCjr users have come up with much more interesting applications — including conversion of this cable to a joystick adapter.

Programmers can write their own programs which turn a cassette recorder on or off at certain times during the day. Record or playback sounds during that time. Or use the cable to access the cassette motor relay — and operate just about any other electronic device you want.

If you suspect someday you'll be able to use one of these cables, why not order it today? Our supplies are limited and at this price they won't last forever.

Catalog #79005 Price $9.95

Cluster Attachments

The Cluster Attachment is a PCjr sidecar designed to permit PCjr's to be interconnected with other PCjr's and with other computers. In the clustered arrangement, several PCjr's could share a common hard disk drive or other hardware. Each computer in a cluster must have its own Cluster Attachment.

This is the actual IBM Cluster Attachment which originally sold for hundreds of dollars. If you decide to cluster a group of computers, you'll also need a coaxial cable and software (not presently available from PC Enterprises). Also, in order to keep the price down, the Cluster Attachment is being offered without any technical support (not because we don't want to, but because we don't know how to). So hurry — the case alone is worth the price.

Catalog #79014 Price $29.95

We're closing out these items to make room for newer PCjr products. In many cases extremely small quantities are available — and at these reduced prices supplies won't last forever. Please call to verify availability to avoid disappointment.

PCjr Carrying Cases

This item looks and feels like an expensive piece of luggage. It permits you to safely and conveniently transport your PCjr. Often used by those who travel frequently and by those who must transport their computer to and from school.

Catalog #79004 Price $19.95

128K Memory Expansions

The IBM Brand 128K Memory Expansion sidecar is back! Just plug this sidecar into your PCjr and the amount of memory available for programs that you run will be increased by 128K. This means if your PCjr presently counts up to 128K you'll have a total of 256K. You can add up to four regular 128K sidecars.

Now a "Special Version" of the IBM 128K sidecar is also available from PC Enterprises. This version is modified by PC Enterprises to permit those with 640K of memory to expand to 736K.

These 128K Sidecars are reconditioned by PC Enterprises and like all IBM brand products sold by PC Enterprises, are warranted by PC Enterprises for a full year. Includes user supported software.

128K Memory Expansion
Catalog #78715 Price $199

Special Version (Expand from 640K to 736K)
Catalog #78727 Price $199

TV Connectors

Permits you to connect a color or black and white television set to the PCjr for use as a monitor. Ideal for those who take their computer with them when they travel as it permits connecting the PCjr to Hotel/Motel television sets. Also purchased and saved for possible future use as a backup by people who can't afford to be without their computer in the event their monitor ever needs service. Can also be used to attach the PCjr to a VCR.

Catalog #79003 Price $24.95

Chicklet Style Keyboards

This is the original PCjr keyboard. The wireless feature of this keyboard makes it great for games and invaluable for use as a spare. They are frequently purchased for use as parts — because the circuit board and most other components are interchangeable with the PCjr Replacement Keyboard.

Catalog #78726 Price $15.00

Tecmar jrCaptain Users! Expand your Memory from 128K to 640K with the jrCadet

The Tecmar jrCadet is a product designed for those who already use a 128K Tecmar jrCaptain. The jrCadet is a 384K memory expansion product which plugs into the Tecmar jrCaptain increasing system memory to 640K. If you are presently using a 128K Tecmar jrCaptain the jrCadet offers a fast and easy way to increase system memory to 640K.

Catalog #14026 Price $245

Terms and Conditions of Sale

ORDERING

How to Place an Order

If you have a Visa or MasterCard you may call either our toll free order line (800) 922-PCJR or our main number (201) 280-0025 and place your order by phone. You can also mail us a check or money order. Purchase Orders must include a check. Sorry, no CODs.

How Long Should it Take?

Orders received with a certified check or money order drawn on a US bank are normally processed the same day as received. Allow three days for processing Visa or MasterCard. Personal and business checks are held for 14 days. Once your order is processed it is sent to the shipping department. If everything ordered is in stock your order will normally be shipped immediately. Although most items are available from stock, at times we may underestimate the demand and a back-order situation will exist. Back-orders can normally be shipped within 4 to 6 weeks.

Checking on an Order

If your order is late and you would like us to check on the status call our Customer Service department. You may be given a check up number and asked to call back. In most cases we'll have an answer the next business day.

Problems

If you need help installing one of our products or have any other problem you'll need to call our Customer Service department during Customer Service hours (9am to 4:30pm eastern time). Our Customer Service representatives will do their best to get you an answer to your questions or to arrange for the return of the item. Please do not call on our 800 number as the people who answer these lines are primarily order takers and therefore are not knowledgeable in the use of our products.

Returns

If you need to return an item for repair or refund call our Customer Service department during Customer Service hours (9AM to 4:30PM) to receive a Return Authorization (RA) number. Write this number on the outside of the package. You pay shipping charges to us and we pay the shipping back to you. Items returned without a valid RA number will be refused. If you pay by credit card and request a refund we will credit your account. If you pay by check and request a refund we will send you a check payable in US dollars. Sorry, but shipping and handling charges are not refundable and requests for refunds can not be honored after 30 days.

Order Desk: (800) 922-PCjr or (201) 280-0025 8:00AM to 5:30PM
Customer Service: (201) 280-0025 9:00am to 4:30pm

SHIPPING

Regular Service — $5.00

Regular Service only costs $5 per order, regardless of the number of items ordered. This charge includes the cost of the shipping carton, packaging materials, labor, insurance, and actual shipping cost via UPS Ground Service. If any item ordered is out of stock your order may be held for two weeks before we make a partial shipment. Regular Service is not available to Alaska, Hawaii, Canada, Puerto Rico, Post Office Boxes, APOs, FPOs, or any other location which UPS does not offer ground service to. If you want us to ship to any of these locations you must pay for special service as your order requires special attention.

Special Service — Priority

If you are in a hurry or for another reason want us to give your order special attention you can pay a $7.50 premium and select Priority Service. When you select Priority Service we'll put a rush on your order. If any item you order is out of stock we'll add your name to the top of the waiting list and ship everything in stock immediately. While we can't make any promises, in most cases you'll receive a package within three business days. If UPS does not offer second day service (UPS "Blue Label") to your address or if your address is a post office box we'll ship via first class mail. To select Special Service — Priority enter $7.50 in the Special Services section of the order form. Total S&H charge: $12.50

Special Service — Top Priority

If you want us to "drop everything and process your order" you may select Top Priority Service. In this case we'll do our best to get your order to you the next day (UPS "Red Label" or equivalent) provided everything is in stock. To select Special Service — Top Priority enter $22.50 in the Special Services section of the order form. Top Priority Service is not available for all items or to all locations. Total S&H charge: $27.50.

Shipping to Other Locations

We will ship to other locations if you pay the actual shipping cost plus a $5 service fee. In this case you should use a credit card and tell us how you want your order shipped. We will add the appropriate charges to your bill.

Prices Subject to Change Without Notice. All Sales Final After 30 Days.

POLICIES

Hardware Policy

All hardware sold by PC Enterprises is brand new unless otherwise stated and guaranteed to work correctly. If you receive a product which does not work correctly we'll repair or replace the product or refund your money. Requests for refund must be accompanied by proof of purchase and be in accordance with our Returns Policy. Sorry, but we can not refund shipping and handling charges.

Software Policy

All software in our catalog is believed to be fully PCjr compatible (certain items are modified for PCjr compatibility). If software you purchase is defective or accidentally damaged we'll replace it — otherwise software can NOT be returned if opened. The only exception is when you show us that we goofed and the program does not run correctly on a PCjr. If this happens, we'll either fix the problem or refund your money.

30 Day Satisfaction Guarantee

All hardware is sold with a 30 day satisfaction guarantee. Try it. If for any reason you are not completely satisfied, we'll take it back. Items manufactured by other companies must be returned in like-new condition with all original packaging and documentation. Do not write on documents or boxes. We will refund the purchase price of the item(s) less a 15% restocking charge if in our opinion the item must be retested. Shipping and handling charges are not refundable.

Our Full Year Warranty

All services performed and products manufactured with the PC Enterprises label are warranted for one full year (details available upon request). Items manufactured by IBM which are sold by PC Enterprises are also covered by our same full-year warranty. Items manufactured by other companies can be returned to PC Enterprises for service only during the first two weeks. After two weeks the manufacturer's warranty is in effect.

PC ENTERPRISES *The jrProducts Group*

PC Enterprises, PO Box 292, Belmar NJ 07719
(800) 922-PCJR or (201) 280-0025

PC Enterprises started manufacturing products for the PCjr in 1984. Today we remain completely dedicated to the PCjr and have no plans for things to change. Our philosophy is to treat our customers right and they'll come back. And our success proves that it works!

How to Place an Order

Please review the page titled, "Terms and Conditions of Sale" and determine the type of service you would like to pay for. Next, if our terms are acceptable, complete this order form and mail it to the above address – or call us and place your order by phone. Our order desk is normally open Monday through Friday 8AM to 5:30 PM Eastern time (sometimes later) and occasionally on Saturdays. At times the phones get pretty busy so please let the phone keep ringing if no one answers or try back later. Better yet, why not mail us the order form instead?

Please help us. We would like to know how you FIRST found out about our catalog.

_____

Home Address of the person placing the order

Name _____
Address _____
City _____ State _____ Zip _____
Day Phone (include area code) _____
Night Phone (include area code) _____

Shipping Address (if different from above)

Name _____
Address _____
City _____ State _____ Zip _____

Credit Card Customers

Name as printed on card _____
Credit Card # _____
Expiration Date _____
Signature _____

Catalog Number	Quantity	Item Description	Unit Price		Total Price	

Please Check One:

__ Check Enclosed
__ Money Order
__ Visa
__ Master Card

Amount of Order	
Other Credits	
Subtotal	
NJ Residents 6% Tax	
Shipping and Handling	$5.00
Special Service	
Total	

Got a Friend?

Do you know someone else who owns a PCjr? If yes, we'd like to send them a free catalog. And if they're not already on our mailing list we might just send you a discount coupon for future orders! All information is kept confidential.

Name _____
Address _____
City _____ State _____ Zip _____

PC Enterprises
"The jrProducts Group"
PO Box 292
Belmar, New Jersey 07719

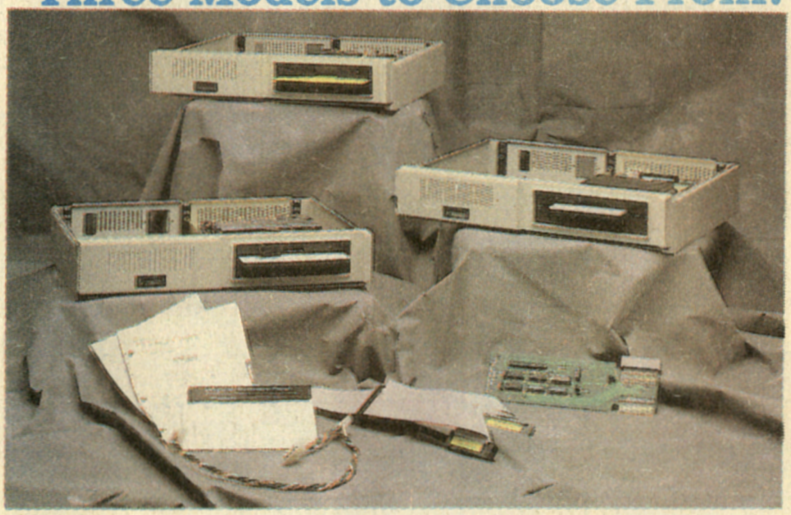
BULK RATE
US POSTAGE
PAID
PERMIT NO. 65
BELMAR, NJ

FORWARD AND ADDRESS CORRECTION
203761 ..... R DR *** 90
LARRY TEAGUE
17707 LACEY DR
EAGLE RIVER AK 99577

ATTENTION:

If *** UN appears on your label your name will be deleted the next time we "Compact" our list. To remain on our list you must place an order. Also, our program uses a fancy algorithm to locate and delete duplicates, unfortunately it often keeps the old and deletes the new address. That's why its important to send us a change of address notice when you move. If you've ever received a catalog at another address or if there's a spelling error on your label, you can prevent these errors from causing your name to be deleted if you let us know. Make corrections on the label then mail the label back to us.

The Junior Drive System: Three Models to Choose From!



360K Drives for PC Compatibility

TOP. The 360K Junior Drive System is still the most popular. This system uses the same diskettes as your existing PCjr disk drive. The "original" Junior Drive Floppy Disk Expansion System therefore offers the ease and convenience of two disk drives while increasing compatibility with the IBM PC.

See Page 11

1.2 MB Drives for AT Compatibility

LEFT. Our newest Junior Drive model, the High Density Junior Drive System adds a whopping 1.2 MB of storage on each diskette making this system ideal for those who need more room on their diskettes. The High Density Junior Drive System also provides diskette compatibility with the IBM AT.

See Page 12

720K Drives for PS/2 Compatibility

RIGHT. The 3½ inch Junior Drive System is the drive of the future. These drives use the same 720K diskettes as IBM's new generation of computers, the PS/2. If someday you find yourself surrounded by shirt pocket size hard jacket diskettes the 3½ inch Junior Drive System will be worth it's weight in software.

See Page 13

Also shown are the other components which are included with all Junior Drive II Systems: Illustrated Installation and Operation Manual, Software, Power Adapter Cable, Energy Efficient Mode Signal Cable, and the Enhanced jrDriver, capable of controlling up to four floppy drives.