

Attention

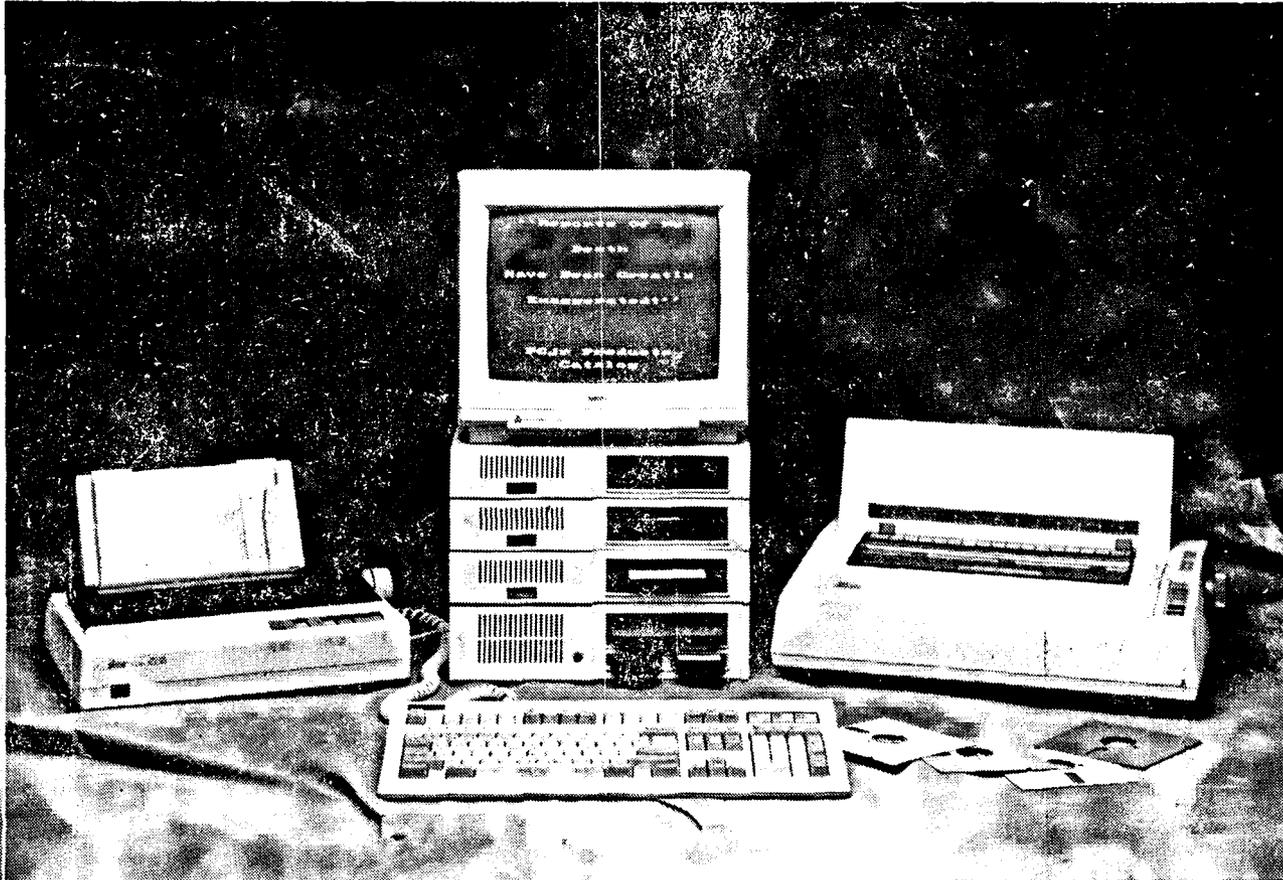
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PC ENTERPRISES

PC Enterprises, PO Box 292, Belmar, New Jersey 07719

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



Featured in photo: PCjr with one 360K diskette drive for PC compatibility, one 3 1/2 inch diskette drive for PS/2 compatibility, one 1.2 MB diskette drive for PC-AT compatibility, and one 20 MB hard disk drive. Also shown, Magnavox CM8762 RGB monitor, Star NX-1000 dot matrix printer for fast yet economical printing, NEC elf 370 Spinwriter printer for true letter quality printing, and Datadesk 101 keyboard. The PCjr is powered by the 150 watt Junior Drive power supply.

**Spring/Summer 1989
Catalog of PCjr Products**

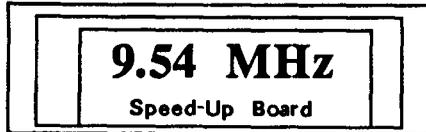
Prices Effective February 1, 1989

**Orders and Catalog Requests (800) 922-PCJR
Customer Service and Other Information (201) 280-0025
New Jersey Customers (201) 280-0025**

Now you can FAX orders directly to PC Enterprises 24 Hours a day! FAX 201 280-0010

New Product

Meet the jrExcellerator



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 system's microprocessor socket - it's easy to install. It's also quite compatible with other PCjr add-on products including memory expansions made by PC Enterprises, IBM, Tecmar, Microsoft, Impulse, and Racore.

So, if you've been thinking about speeding up your PCjr we don't think you'll be one "bit" disappointed with our jrExcellerator. Best of all, jrExcellerator won't take a big "byte" out of your budget.

Catalog #14802

Price: \$129

Features

- o Increases Clock Speed from 4.77 MHz to 9.54 MHz
- o Norton SI Rating Up to 3.3*
- o Installs in most PCjrs** Without any Tools
- o Change Speeds "On-the-fly" (at any time)
- o Works with Self Booting Software
- o Starts in either Fast or Slow Mode
- o Permits Changing Speeds from the Keyboard
- o Recognizes Memory Up to 736K Without Software
- o Includes a 10 MHz V20 Microprocessor
- o Increases System Read/Write Memory (RAM) by 16K
- o Compatible with most other PCjr Products***

* Norton Rating with IBM or PCE memory expansion will vary.
** Installation requires your PCjr's microprocessor be in a socket.
*** We can NOT guarantee compatibility with all PCjrs or all add-on devices. Of course, you may return the product for any reason in accordance with our returns policy (restocking will be waived).

Dear PCjr Owner :

Here's our latest catalog of PCjr products. We believe this catalog offers the finest selection of PCjr add-on products ever!

First things first. Please accept our apology if this catalog took longer to arrive than expected. Over 200,000 catalog requests were received and we simply ran out. It certainly seems as though most PCjr owners are still using and upgrading their computers.

No wonder why. It's much less expensive to upgrade the PCjr than to buy another computer and as long as the PCjr runs the programs you want there's very little reason to buy another computer. Tens of thousands of PCjr owners have already upgraded their PCjr and thousands more will certainly upgrade during this year.

If you are not yet familiar with PC Enterprises we are one of the first companies to ever manufacture add-on products for the PCjr. We started making PCjr products in 1984 and today remain exclusively dedicated to the PCjr. Everything in our catalog therefore works with a PCjr because we are PCjr specialists.

Today, owning a PCjr can be very exciting. PCjr add-on products permit you to reach limits of memory, speed, and disk storage never before believed possible. In addition, the success of the Tandy computer provides another benefit. The 16-color Tandy version of many programs will run on a PCjr in 16 colors - while the IBM PC and clones only run the usual four color version. And when a 16-color Tandy version does not run on a PCjr we'll do our best to make it run.

PC Enterprises has more products, more telephone lines and more people available to help you than ever before. But we couldn't have gotten to where we are without you, our loyal customers. At times things get so hectic we hardly get the chance to say thanks. Without you we would not exist. But with you behind us we'll continue supporting the PCjr for as long as the need exists. And if people keep computers as long as they keep their refrigerators, washing machines, and clothes dryers we think we'll be developing new PCjr products for a long long time.

Hopefully you'll enjoy browsing through our catalog and might just find a product which fits your needs. Stick with PC Enterprises and you'll never need to worry about compatibility - you'll be able to add what you want, when you want. And thanks for making PC Enterprises the leading supplier of PCjr products in the world!

P. S. Attention Engineers, Programmers, and Hobbyists - PC Enterprises might pay you to turn your idea into a new PCjr product. Contact our Engineering Director for details.

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 Fluctuate 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 _____

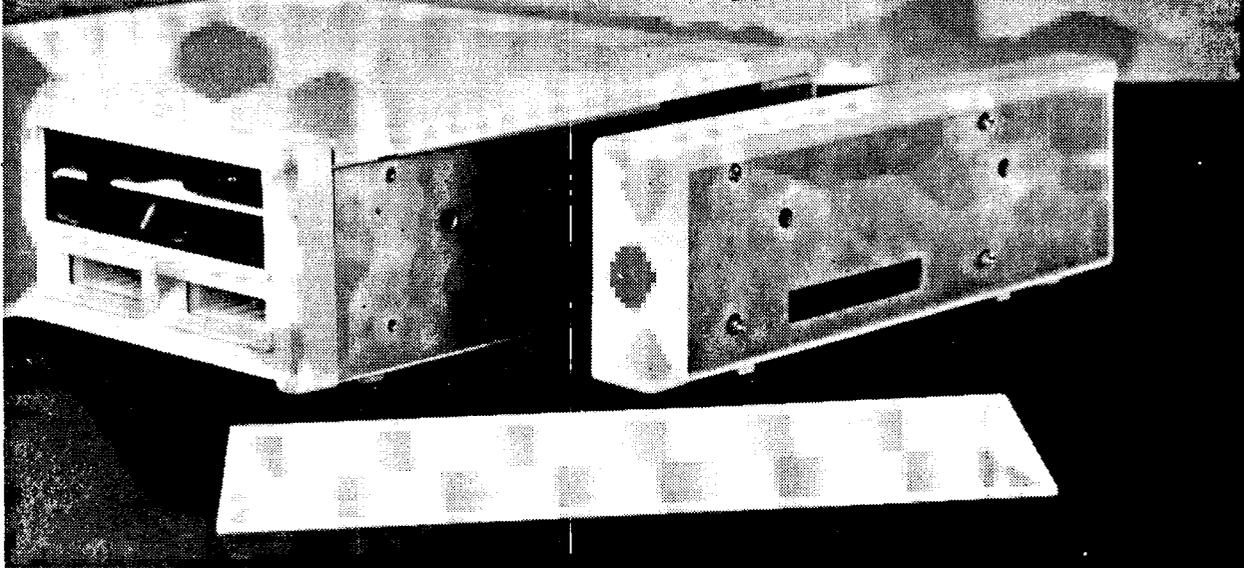
Credit Card Number _____

Expiration Date _____

Signature _____

Memory Expansions - The jrSidecar Series

The jrSidecar Series permits you to expand memory thereby enabling you to run even more PC programs. But adding memory has many other benefits. The memory inside our jrSidecar Series is much faster than the 128K inside the PCjr. In addition you can use your memory jrSidecar to create a virtual disk drive in memory (RAMDISK), to run more background programs, and to use your computer while a document is being printed.



Sidecars attach to the side of your PCjr or to the side of an existing sidecar. The PCjr circuitry can support up to six sidecars (five if you are also using the internal modem slot).

If you've been thinking about upgrading your PCjr then think about this: Additional memory is all that you'll need to run most PC programs. And the jrSidecar Series is designed to increase your system's memory. Up to and beyond the conventional 640K limit of DOS. All the way to 736K - permitting you to run more programs than ever before!

Additional memory also lets you create and utilize a ramdisk. A ramdisk is a "lightning fast" disk drive simulated in memory which takes the place of a real disk drive in many situations.

And our memory sidecars can be added before, after, or at the same time as our disk drives. So you don't have to add a second drive right now if you don't want to. Add just the memory sidecar today and you'll still be able to add a disk drive tomorrow.

The jrSidecar Series is completely compatible with all other known add-on products for the PCjr except Racore DMA. And because it uses low power CMOS technology our 512K sidecars use less power than 128K sidecars made by other companies.

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*

* User supported software which permits DOS to recognize up to 736K of this memory is included at no additional charge. The memory above 736K is not available for your use.

If you have not yet started to expand your computer's memory you currently have a total of 128K. In this case you can select either of our three jrSidecars. Select our 128K jrSidecar and you will double your memory by expanding to 256K. And if that's not enough you can select our 256K jrSidecar and expand to 384K - or select our 512K sidecar and expand all the way to 640K!

Already started to expand? The jrSidecar Series is for you too. If you presently have 256K you can add our 256K jrSidecar and double your memory by expanding to 512K. Or, add our 512K jrSidecar and shatter the 640K boundary of DOS by expanding to 736K!

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

Close Outs!

IBM Brand Accessories!

We have decided to close out these items to make room for newer products. In many cases extremely small quantities are available. At these reduced prices supplies won't last forever, so please call to verify availability before ordering.

Adapter Cable for Cassette Recorders

This cable permits you to attach a cassette recorder or other device to the cassette port of the PCjr. The cassette port is often used by those who know how to write their own programs. Write programs which turn your cassette recorder on, or off, at certain times during of the day. Or use the cassette motor relay to operate just about any another device. 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

PCjr Carrying Case

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

Adapter Cable for Serial Devices

This is the actual cable manufactured with the IBM label which permits you to connect a serial modem, mouse, or printer to the PCjr's serial port. About 6 inches long.

Catalog #22505-1 Price: \$14.50

Cluster Attachment

The Cluster Attachment is a PCjr sidecar designed to permit PCjr's to be interconnected with other PCjrs and with other computers. In the clustered arrangement several PCjrs could share a common hard disk drive or other hardware. Each computer in the clustered configuration 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 probably worth the price.
Catalog #79014 Price: \$29.95

TV Connectors

Permits you to connect a color or black and white television set to the PCjr and use it 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 as a backup by people who would can't afford to be without their computer in the event that their monitor would ever need service. Can also be used to attach the PCjr to a VCR.

Catalog #79003 Price: \$24.95

640K Memory Sidecars with Power Supply

The Tecmar jrWave. Just plug this sidecar into your PCjr and memory is increased to 768K! Then run the user supported memory management software and DOS will recognize 736K as main program memory.

Software to simulate a disk drive with memory is also included. That's one reason why 736K memory expansions are in such high demand. Memory which you allocate for use by your ramdisk will not be available to load and run programs. This means if you only have 640K and you set up a 360K ramdisk you'll run out of memory when you try to run programs which require more than 256K after DOS is loaded.

The Tecmar jrWave is for those who presently have only 128K and want to expand to 768K. The jrSidecar Series, featured on another page, would be a better choice for those who already have 256K of memory and for those on a limited budget.

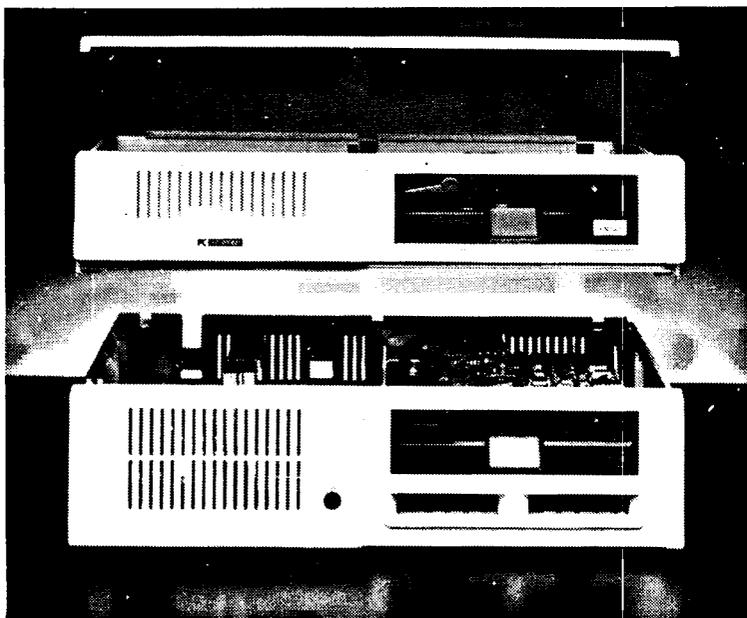
Catalog #14020 Price: \$395

Tecmar jrCaptain Users! Expand Memory to 640K With the Tecmar 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

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**
Can be expanded to include at least three floppy drives.
- **Modem Compatibility**
Works with 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 (90 days on disk drives).
- **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.

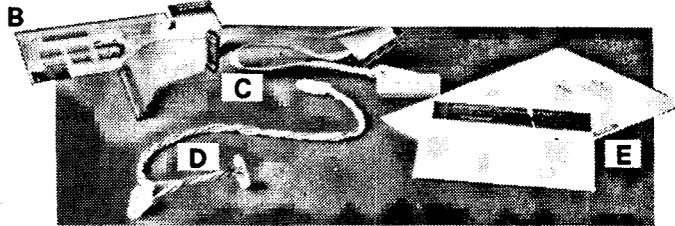
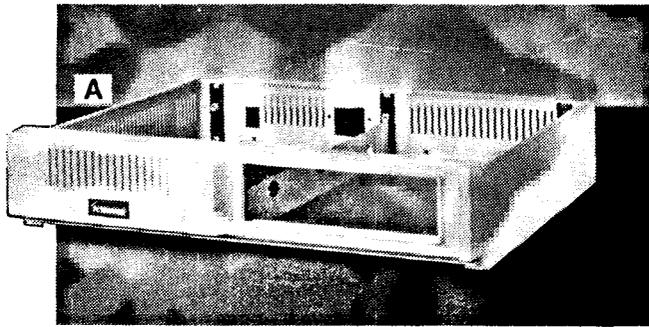
The chassis is made of metal and is styled to perfectly match the PCjr. An injection molded front panel adds the finishing touch making the Junior Drive System one of the most attractive add on systems available for the PCjr.

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 2 1/2 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.



Also Available Separately (but not shown)
 Three Drive Signal Cable (Daisy Chain)
 Catalog #91808 Price: \$39.95
 Additional Shelf
 Catalog #96003 Price: \$6.95
 Junior Drive Power Supply
 Catalog #12524 Price: \$99.00

Junior Drive Kit

Includes A thru E below - everything you need to assemble your own second disk drive system except the drive. Can be used with 360K, 720K, or 1.2 MB floppy drives.

Catalog #10011 Price: \$169.00

Junior Drive System Spare Parts

A "Just the enclosure".

The enclosure that snaps on top of the PCjr - or any other PCjr Expansion System. Includes a shelf for mounting a 5 1/4 inch floppy or hard disk drive. 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.

Catalog #42007 Price: \$75.00

B Enhanced jrDriver

Catalog #12516 Price: \$59.95

C Two Drive Signal Cable (Energy Efficient)

Catalog #91806 Price: \$39.95

D Junior Drive II Power Y Cable

Catalog #91805 Price: \$12.95

E Software and Manual

Catalog #55002 Price: \$9.95

Drives

A 360K disk drives

Half height, double sided, and fully compatible with the PCjr double density controller. Selected especially for use with the PCjr. 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. Catalog #44002 Price: \$129

B 1.2 MB drives

If you already own a system which adds a second disk drive to your PCjr you may wish to replace your existing disk drive with our 1.2 MB drive. To install, just remove your 360K drive and replace it with this 1.2 MB drive. Includes software. Catalog #44004 Price: \$149

C 3 1/2 inch drives

This is a 3 1/2 inch drive mounted in a 5 1/4 inch frame. The drive can therefore be installed inside your PCjr as a replacement to your existing drive or in most other PCjr second or third drive systems. Includes software.

Catalog #44003 Price: \$129

D Datalife Plus diskettes for 360K drives

"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.

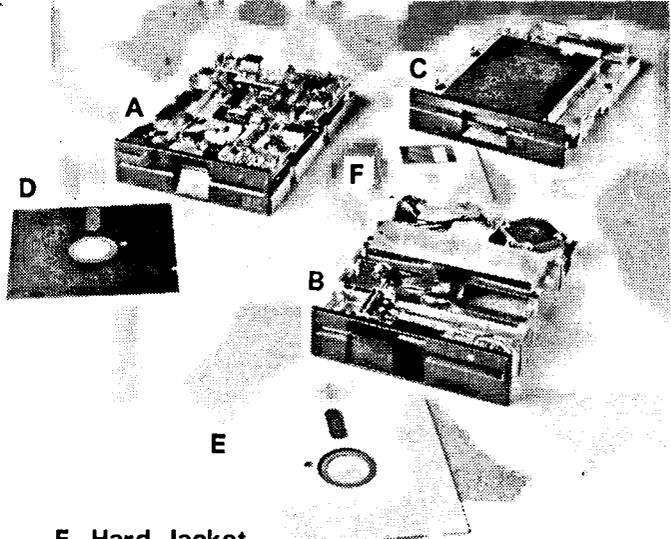
Catalog #55010 Price: \$14.95

E High Density Diskettes for 1.2 MB drives

High density diskettes look just like regular diskettes. That's why all of our high density diskettes have white jackets. If you use only white jacket high density diskettes you won't have any trouble distinguishing your high density diskettes from regular 360K diskettes. Provided in a sturdy flip top acrylic plastic box. Ten diskettes per box. 600 oersted. For all 1.2 MB 5 1/4 inch drives.

Catalog #55008 Price: 19.95

Diskettes



F Hard Jacket

Floppy Diskettes for 3.5 inch drives

These are quality diskettes made by Centech. Provided in a flip top acrylic plastic box. Ten diskettes per box. For all 720K drives 3 1/2 inch drives.

Catalog #55009 Price: \$18.50

Colored Diskettes for 360K drives

Our Rainbow package 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. Made by Centech. For all 360K drives including the original PCjr drive.

Catalog #55007 Price: \$9.95

Plastic Mounting Shelf for Disk Drive

The PCjr disk drive is mounted in a plastic shelf. The shelf is snapped into place with two plastic prongs which fit into the PCjr motherboard.

Catalog #79027 Price: \$3.95

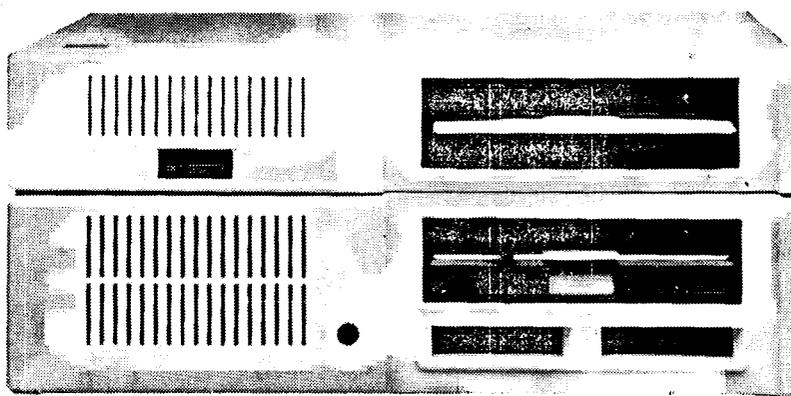
Diskette Drive Fan, +12 Volt

Mounts in the PCjr plastic shelf.

Catalog #79026 Price: \$12.95

(Actual drive may vary slightly from photo)

The Junior Drive Floppy Disk Expansion System



The Enhanced model of the PCjr only comes with one disk drive. At times this 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

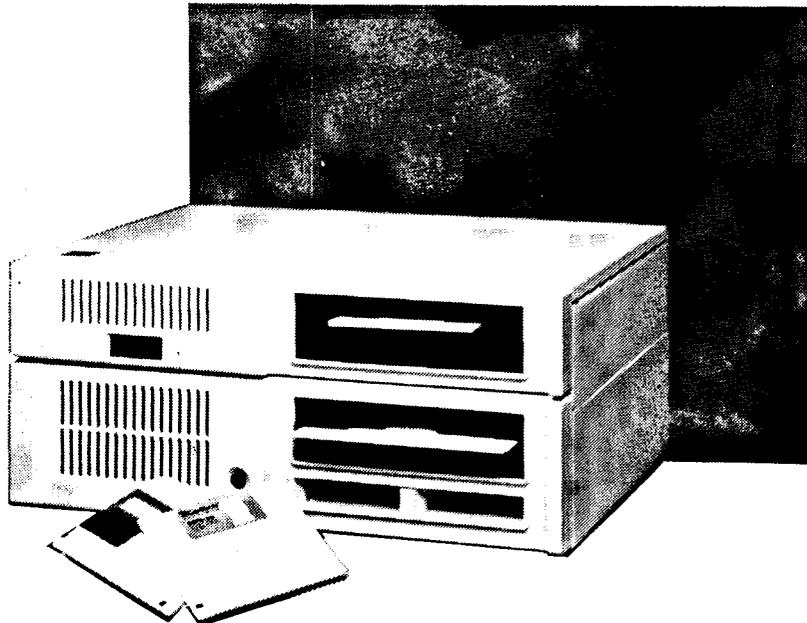
Junior Drive III Floppy Disk Expansion System

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

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 flexible diskettes. These diskettes can be formatted by DOS to have 40 tracks on each side - enough room for 360K of information.

Newer computers use smaller and more durable diskettes. These newer 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 simple: DOS formats these diskettes with twice as many tracks on each side.

The 3 1/2 inch Junior Drive System adds one of these newer and very popular disk drives to your PCjr. It may be the most important new product available for the PCjr because it prevents your system from becoming obsolete as the world changes over to the new 3 1/2 inch diskette standard.

These new drives can be attached to your PCjr as easily and quickly as any other Junior Drive System. And once attached you'll be able to run the same diskettes as the IBM PC Convertible, the newer IBM PS/2, and other computers which use the newer 3 1/2 inch 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 your existing 360K diskettes you can actually copy two regular floppies onto each 3 1/2 inch floppy.

If you are using DOS 3.2 or later your DOS will automatically recognize 80 track diskette formats without any other software. But you don't need to change your DOS to use the 3 1/2 inch Junior Drive System. Software is now included which lets you take full advantage of high density diskette formats. And using the software is as simple as adding a line to your CONFIG.SYS file.

So if you intend to keep your computer for a while you'll probably want to add a 3 1/2 inch drive - sooner or later. That's why it's important to select the Junior Drive System. Because the Junior Drive System may be the only system which gives you the flexibility to add a 3 1/2 inch drive as a second drive today - or as a 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

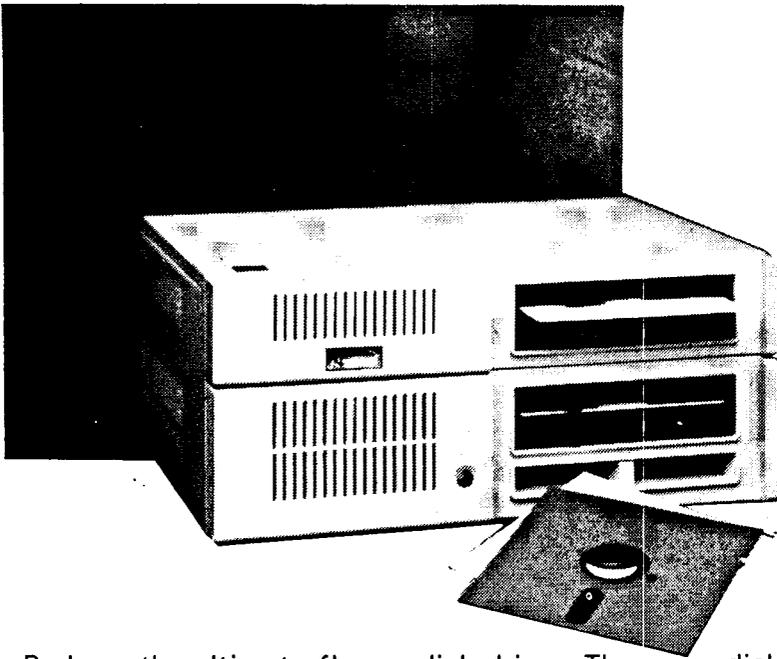
Just the Drive & Software

If you already have a second drive you can replace one of your existing 360K drives with a 3 1/2" drive.

Catalog #44003

Price: \$129

Introducing the High Density Junior Drive System...



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

Perhaps the ultimate floppy disk drive. The High Density Junior Drive System seems to add endless diskette capacity. It packs over 1.2 Megabytes of information onto each diskette - so if you're serious about computing and you run serious software this floppy disk drive may be the right drive for you.

Greater diskette storage enables you to run powerful software packages which are too sophisticated to fit on a single diskette. You'll run sophisticated software with the same ease and convenience as those who use expensive hard disk drive systems.

Imagine using this system with a sophisticated word processing package. You will not need to swap diskettes if you want to use the Spelling diskette. Or the Thesaurus. Or even the Help diskette. Because the High Density Junior Drive System lets you squeeze all the files you'll need onto a single high density diskette!

The High Density Junior Drive System can even read and write to IBM AT diskettes. While the IBM AT also requires 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 custom 80 track disk drive. The drive spins more slowly than conventional 40 track drives permitting DOS enough time to squeeze 66% more information onto each track.

And don't worry about the price or availability of diskettes. The High Density Junior Drive System uses the same high density (600 oersted)

diskettes as the IBM AT computer. So you could be sure diskettes will be readily available for a long, long time.

The system has been tested with PC-DOS 2.1 and 3.2, although we don't expect any problems with other versions of DOS. The software provided includes a special high density FORMAT program and a device driver. But if you use DOS 3.2 or later, DOS will recognize your high density diskettes without any software at all!

This system can NOT read or write on 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 like this system very much.

The High Density Junior Drive System is a practical alternative to expensive hard disk drive systems. The system is also very popular with those who have already added a hard disk drive because it greatly simplifies the process of backing up data.

Junior Drive II 1.2 MB system
Catalog #12522 Price: \$275

Junior Drive III 1.2MB system
Catalog #12523 Price: \$225

**Please Call To Determine
Availability Before Ordering**

Junior Drive II Systems

The Junior Drive II System adds a floppy drive as your **SECOND** drive. This system uses the Enhanced jrDriver operating in the Energy Efficient mode. That's why most people do not need an additional power supply. In the Energy Efficient mode only one drive motor spins at a time!

People often ask how many options they could add before they do need an additional power supply. This question is difficult to answer because the power requirements of each add on accessory will vary. A rule of thumb is that you can add up to three major add on products (keyboards don't count) which use the PCjr power supply - before you run out of power.

As an example, if you have added a 512K Memory sidecar and a parallel printer attachment you can still add one more option before you need another power supply. This new option may be an internal modem, speech attachment, or Junior Drive II System.

Of course this is only a rule of thumb and not a substitute for actual power supply measurements. Nevertheless, the Junior Drive System has been tested with just about all known printer ports and memory expansion sidecars and this rule of thumb seems to work very well.

Junior Drive III Systems

Those who have already added a Junior Drive II System and would like to add a third drive may do so by installing one of our Junior Drive III Systems. These systems use your existing Enhanced jrDriver set up to operate in the Daisy Chain mode and also require our 150 Watt Junior Drive Power Supply which must be purchased separately.

The Heart of the System

The heart of the Junior Drive System is a special disk drive interface card designed and manufactured by PC Enterprises. We call this card the Enhanced jrDriver. You'll call it a time and a money saver.



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 piggy back fashion. Finally connect a cable.

And the Enhanced jrDriver is easy to use because it lets you select which drive you want to be your A: drive. It's expandable too. A mode control

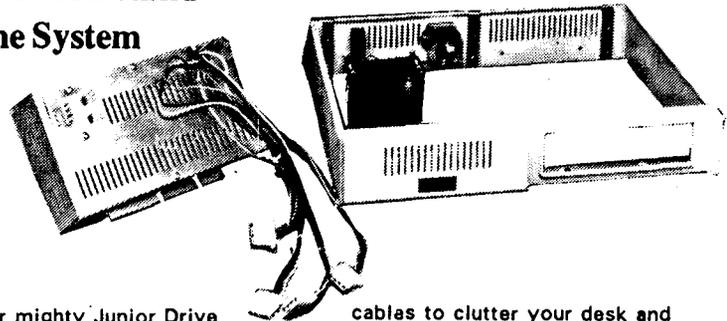
switch lets you operate in either the Energy Efficient or Daisy Chain mode. This means your system can grow with you.

Select the Energy Efficient mode if you only have two drives attached and the Enhanced jrDriver will independently control the motors of the two drives. 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 expand your system to include a third drive you will select the Daisy Chain Mode. In this mode the Enhanced jrDriver has the hardware needed to support four floppy disk drives.

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

The Power Behind the System



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 that 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.

Due to 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 snapped on top.

The Junior Drive Power Supply includes a power cord, as well as a fan, mounting bracket, power receptacle, and an ON/OFF switch which mounts in special cut outs provided 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 in your system if your expansion chassis has openings for the power receptacle and ON/OFF switch (See photo).

Junior Drive Power Supply
Catalog #12524 Price: \$99.00

Junior Drive Hard Disk Expansion System

The Junior Drive Hard Disk Expansion System is perhaps the ultimate expansion for the PCjr. It is the expansion that changes the way you use your computer more than all the others combined.

No more fumbling through a box of diskettes looking for a program to run. With a hard disk drive expansion system the programs and DOS files you frequently use are at your fingertips on your hard disk all the time.

The computer will even start DOS from the hard disk drive. This means when you turn your computer on if you don't have a floppy in your disk drive the system will load DOS from the hard drive.

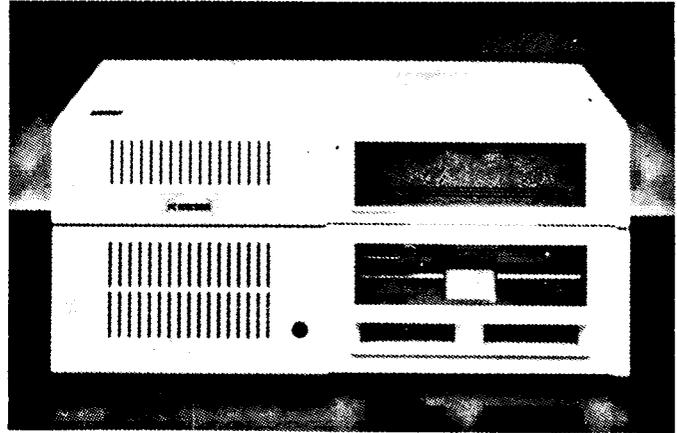
More important to most is that our hard disk drive system spins much faster than a floppy. This means the PCjr will read and write information faster than ever before. The improvement in speed is dramatic!

And the PC Enterprises Junior Drive Hard Disk System is also DOS compatible. DOS compatible means the computer recognizes your hard drive without any software device drivers. So the system will even work with self booting software.

Also important is that you'll be able to format and organize your hard drive with the usual DOS commands. Use familiar programs such as FORMAT, CHKDSK, SYS, ASSIGN, FDISK, BACKUP, and RESTORE. DOS compatible also means you'll be able to install copy protected software onto your hard drive with hard disk drive install routines provided with your floppies.

The Junior Drive Hard Disk Expansion System includes everything needed to install and use the hard disk drive except for the Junior Drive Power Supply which must be purchased separately.

And the PC Enterprises Junior Drive Hard Disk System is especially easy to install. Just snap the system on top of your PCjr or any other PC Enterprises



Junior Drive Chassis, plug the host adapter card into the computer's internal modem slot, connect the Junior Drive Power Supply and plug in a cartridge.

20 MB Junior Drive Hard Disk Expansion System

Catalog# 12511 Price: \$595

Second 20 MB Junior Drive System

Catalog #12517 Price: \$349

Junior Drive Power Supply

Works with all PC Enterprises Junior Drive Systems which snap on top of the PCjr. Replaces the original PCjr power supply and adds 150 Watts of power. Note: To use this item you must have a PC Enterprises Junior Drive System snapped on top of your PCjr as your first snap on top drive. For additional information refer to the section of this catalog titled "The Power Behind the System".

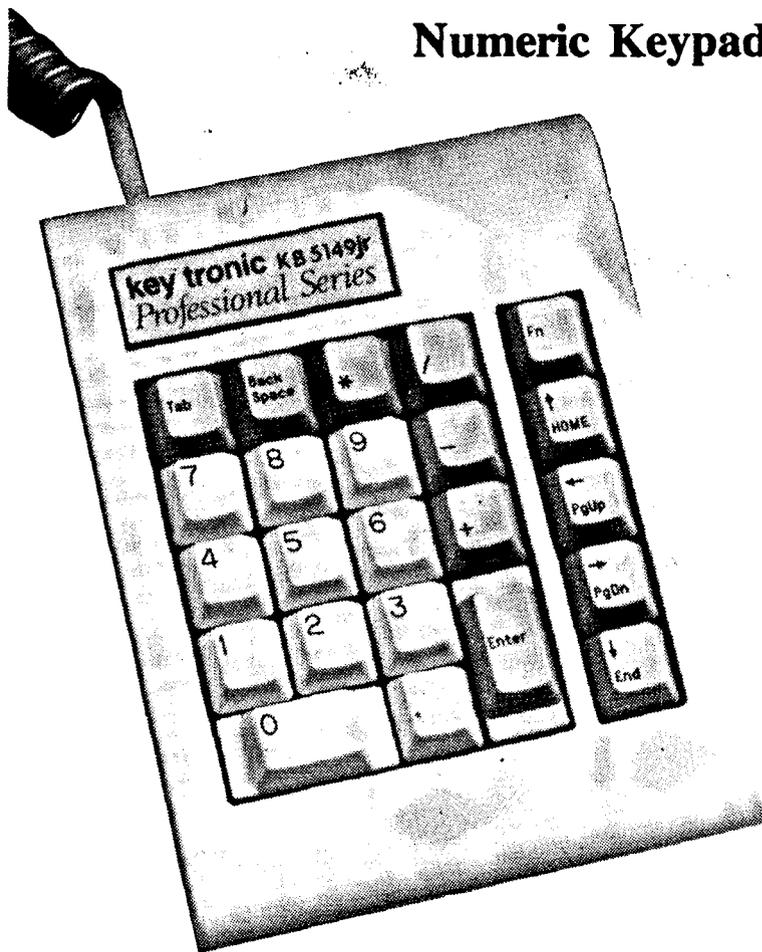
Catalog #12524 Price: \$99

DOS 3.2 with Manual

DOS 3.2 is recommended for those who have installed a 3 1/2 inch disk drive, 1.2 MB disk drive, or hard disk drive. The reason is that DOS 3.2 will recognize high density diskette formats without using any software device drivers. In addition, operation with hard disk drives is improved. We are offering DOS 3.2 with manual at a discounted price because they have been opened.

Catalog #78723 Price: \$59.95

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)

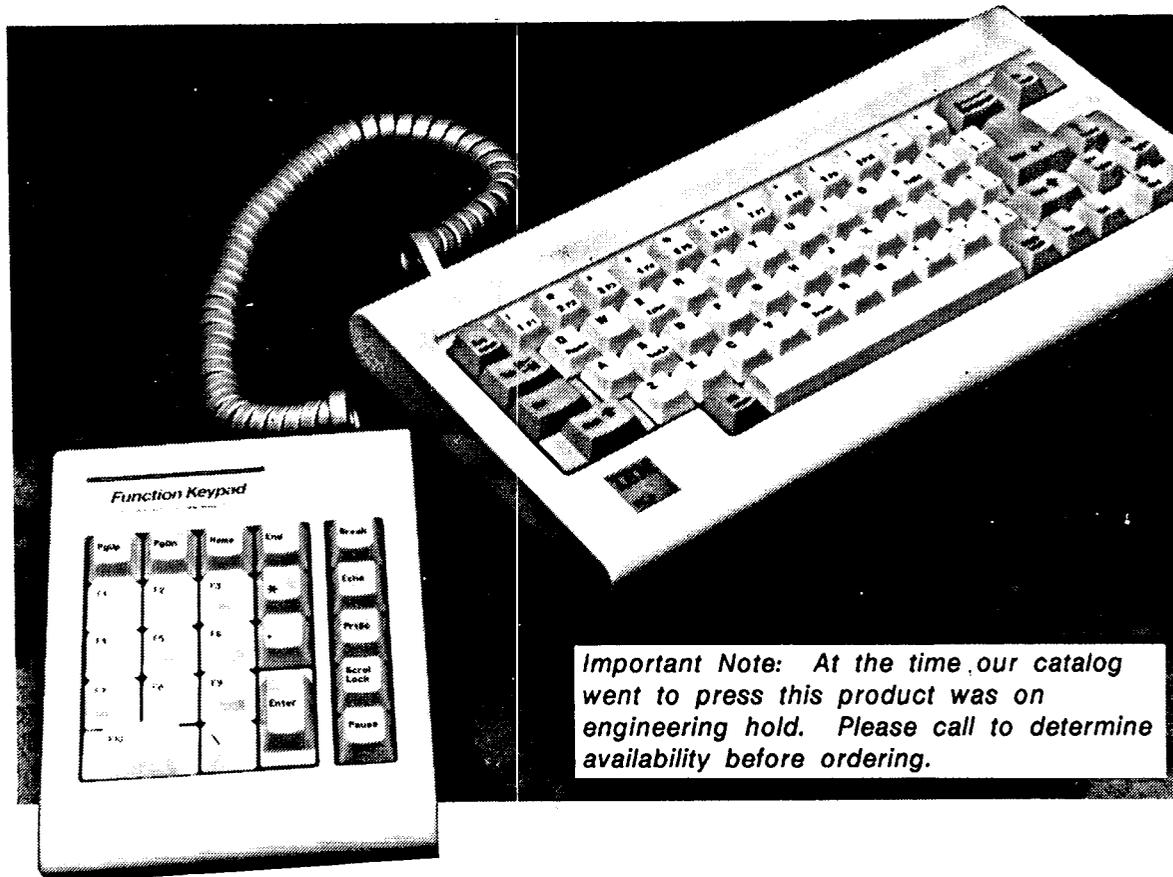
Catalog #71511 New Low Price: \$19.95

Special version (PCE 5149jr)

Catalog #71515

Price: \$29.95

Function Keypad for the PCjr



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

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.

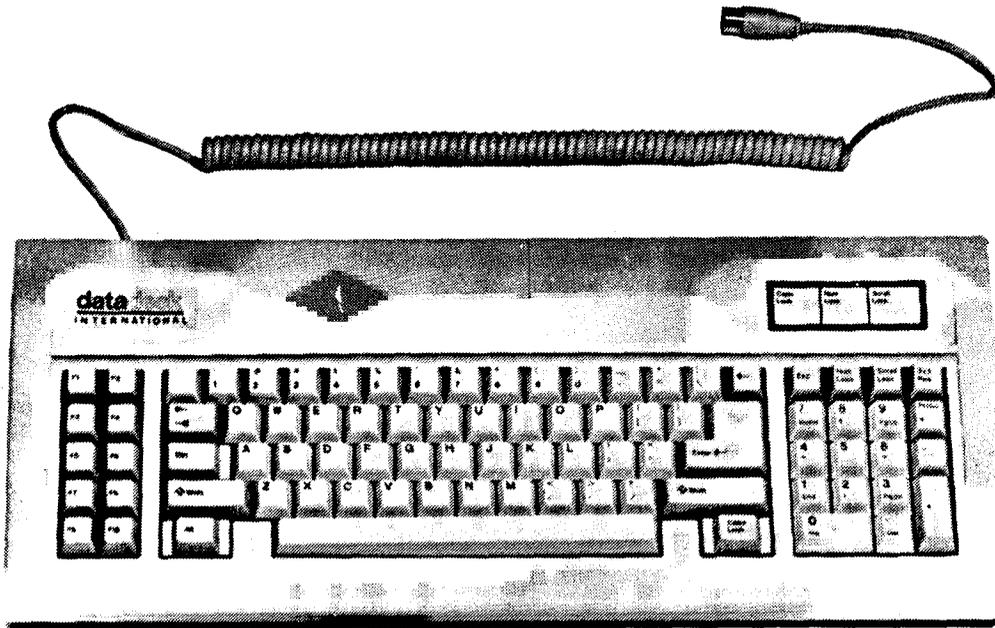
The Function Keypad also provides greater PC compatibility because it transmits the same make and release scan codes as the keyboard normally provided with the IBM PC. This means with our Function Keypad installed you'll be able to run more PC programs than before.

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

Price: \$39.95

PC-AT Style Keyboard for the PC or PCjr



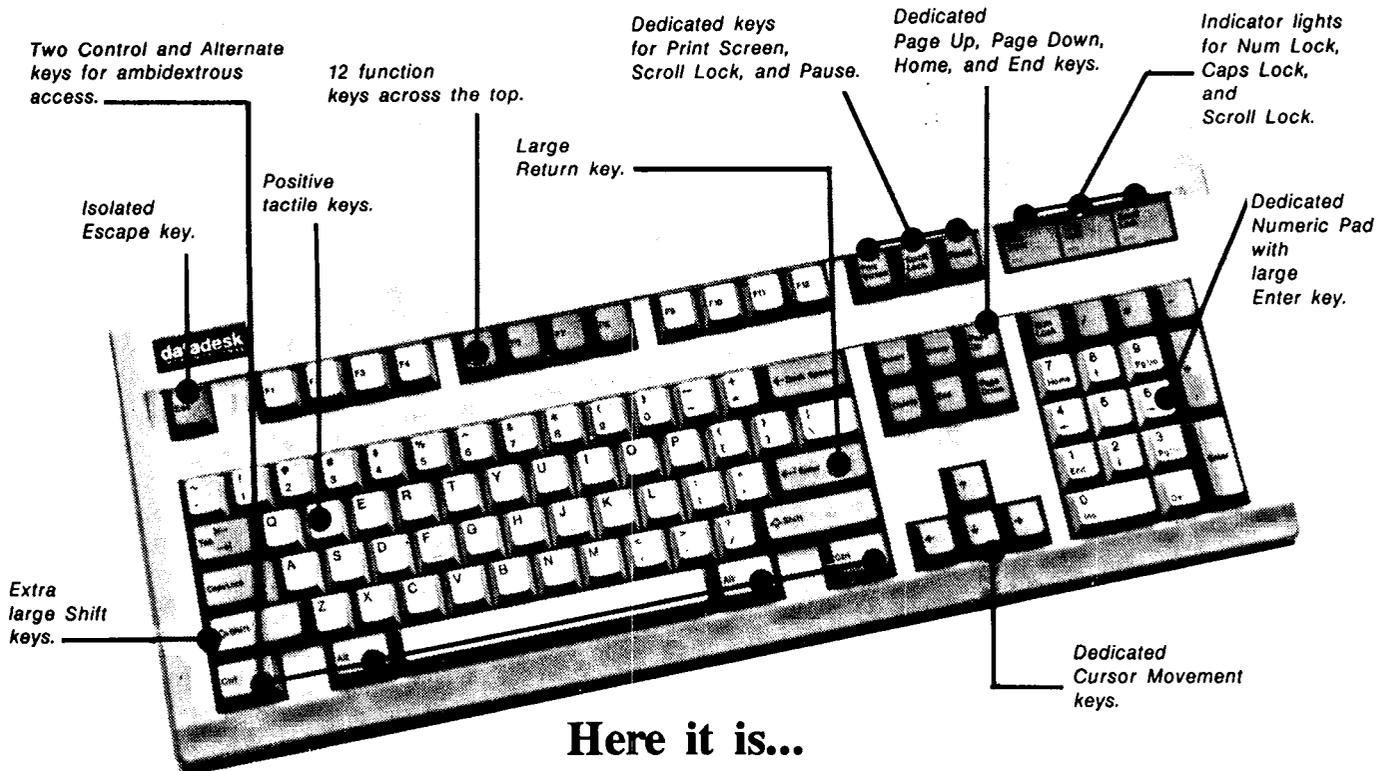
Features

- 84 Keys
- Numeric Keypad
- Ten Separate Function Keys
- Layout Similar to IBM PC-AT Keyboards
- Status Indicator Lights for Caps Lock, Num Lock, and Scroll Lock
- Extra Large Enter and Shift Keys
- Removable Key Switches for Do-It-Yourself Replacement
- Works with an IBM PC or a PCjr with the PCjr Pinout Adapter
- Generates both Break AND Release Scan Codes for Greater PC Compatibility
- Includes its own Cable which Plugs into the PCjr K Connector
- Compatible with the Mouse Systems Optical Mouse
- Compatible with all known Light Pens
- Compatible with Keyboard Buffer Cartridge (version 1.4 and later)

This PC-AT style keyboard is currently our most popular keyboard for the PCjr. It features extra large Enter and Shift keys, as well as status indicator lights for the Caps Lock, Num Lock, and Scroll Lock keys. And although it looks like many other keyboards it's actually quite different inside - that's why it works on a PCjr with just a pinout adapter.

Pinout adapter for the PCjr not shown in photo.
Made by Datasdesk International - two year manufacturer guarantee

PC-AT Style Keyboard for the PCjr (includes PCjr Pinout Adapter)
Catalog #71521 Price: \$129.95



Here it is...

Datadesk's Turbo-101 Enhanced Keyboard for the 600 Thousand PCjr users other companies ignored!

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

Not to worry. The Datadesk Turbo-101 keyboard gives you the layout and enhancements of the IBM keyboard with some logical improvements (see above photo).

We think the Turbo-101 keyboard may be the best data entry tool since the pencil! For users of spreadsheets like 1-2-3, the Turbo-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 Turbo 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 even need an eraser!

Now PCjr owners have two great keyboards to choose from. Both come with their own keyboard cable and work without any other electronic keyboard adapters. And both are compatible with mice, joysticks, and all other known expansions.

As you can see, PCjr users are not being ignored. The Datadesk Turbo-101 keyboard is possibly the newest and the finest PCjr keyboard ever designed!

Turbo-101 Keyboard for the PCjr (includes PCjr Pinout Adapter)
Catalog #71518 Price: \$159.95

Other PCjr Keyboards and Accessories

Wireless Keyboards

Let The Kids Bang On Their Very Own Keyboard
or Save for Yourself as a Spare.



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!

Low Cost PC-AT Style Keyboards

These keyboards look very similar to the 84-key keyboards normally supplied by IBM with the PC-AT. They are low cost alternatives to the 101-key keyboards featured elsewhere in this catalog.

The 84-Key PC-AT style keyboard has extra large ENTER and SHIFT keys - making them ideal for word processing. On the left side of the keyboard you'll find ten separate function keys - and on the right side a separate numeric keypad. The keyboard also includes lights for the Caps Lock, Num Lock, and Scroll Lock features.

- o 84 Keys
- o Separate Numeric Keypad
- o Ten Function Keys
- o Layout Similar to PC-AT
- o Key Lock Indicator Lights
- o Extra Large Enter and Shift Keys
- o Installs in Minutes
- o Lowest Cost Full Size Keyboard
- o Plugs-in Inside the PCjr Cabinet
- o Also works with XT's & AT's
- o Installs Without Using Any Expansion Slots

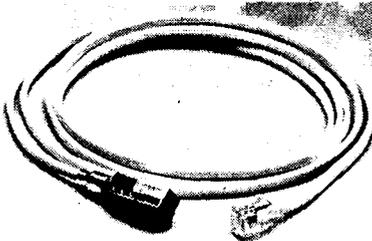
Installation

These PC-AT style keyboards do NOT plug into the usual PCjr keyboard connector. Instead, you will be instructed to open the cover of the PCjr and unplug the PCjr's Wireless (IR) Receiver board. The keyboard then plugs into the vacated connector (replacing the Wireless Receiver). A small flat cable is then routed to the rear of the PCjr out the back through a hole that you will be instructed to drill or file.

Catalog #71522 Price: \$129.95

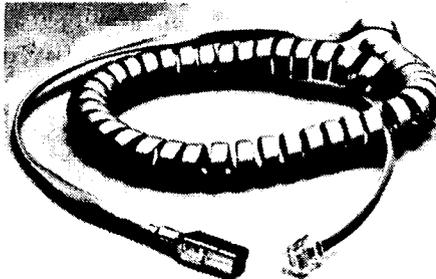
Keyboard Cables for PCjr Keyboards

Straight



Catalog #22502-1
Price: \$8.95

Coiled



Catalog #22501-1
Price: \$12.95

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.

Keyboard Cables May Also Be Available as Reconditioned.
Refer to the Reconditioned Section of this Catalog for Prices.

Keyboard Overlays

Package of five keyboard overlays which fit the Chicklet Style Keyboard. These overlays permit you to create customized labels for the PCjr keys. Use one overlay for each program you run.

Catalog #71517 Price: \$2.95

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 PCjr's 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.

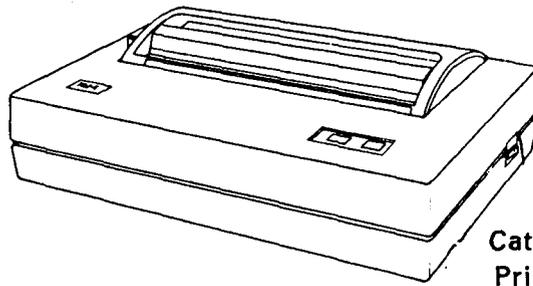
Before you connect a printer to your PCjr you must determine whether the printer requires an RS232 (Serial) interface or a Centronics (Parallel) interface. This information can be found in the printer's manual.

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.

Low Cost PCjr Printers



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.

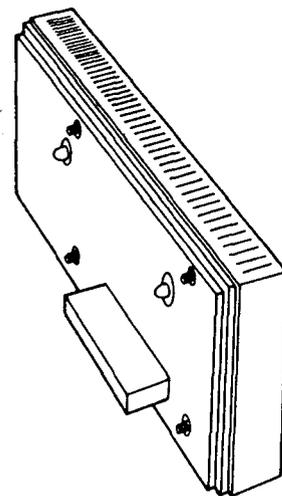
The PCjr Compact Printer was designed specifically for the PCjr. It therefore comes complete with its own cable which plugs into the S (Serial) connector in the rear of the PCjr.

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.

Thermal Paper for above printer - 100' roll
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

**Superior Quality,
Speed and Ease-of-Operation
NX-1000**



Sorry, Priority Service is not available for printers.

Features

- * 144 cps High Speed Draft mode
- * 36 cps Near-Letter-Quality mode
- * 8 Built-In NLQ Fonts
- * Proportional Printing in All Fonts
- * Convenient Push Button Control Panel
- * Paper Parking Mechanism
- * Tractor and Friction Feeds
- * Two Emulation Modes:
IBM Proprinter II and Epson ESC/P
- * 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).

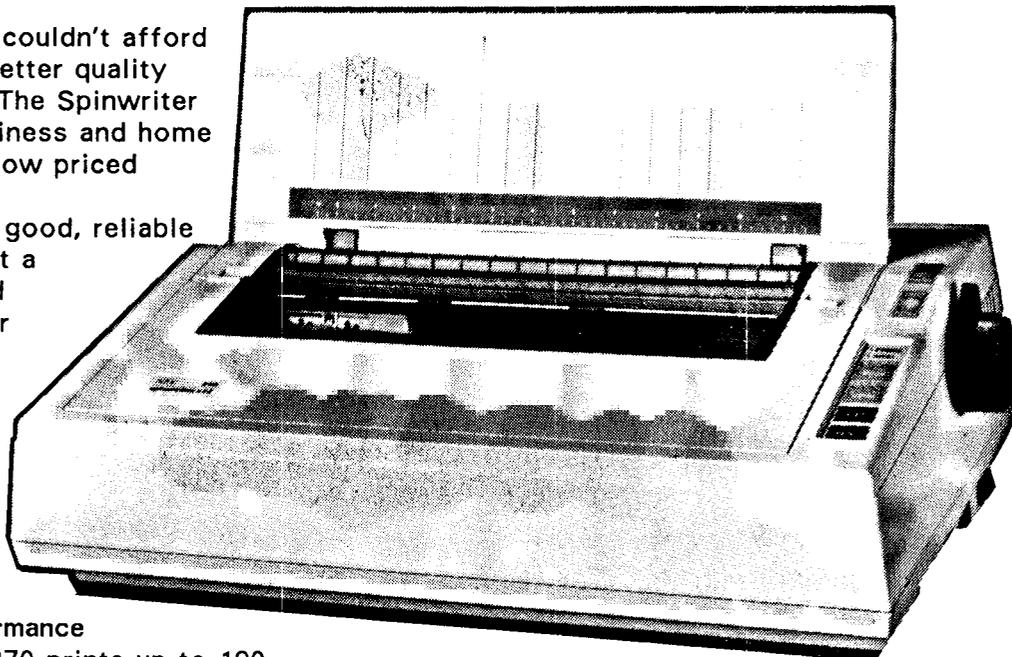
Star NX-1000 Printer
Catalog #78603 Price: \$209

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. The Spinwriter Elf is suitable for business and home environments and is now 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 you will not need to buy any other adapters or cables!



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...

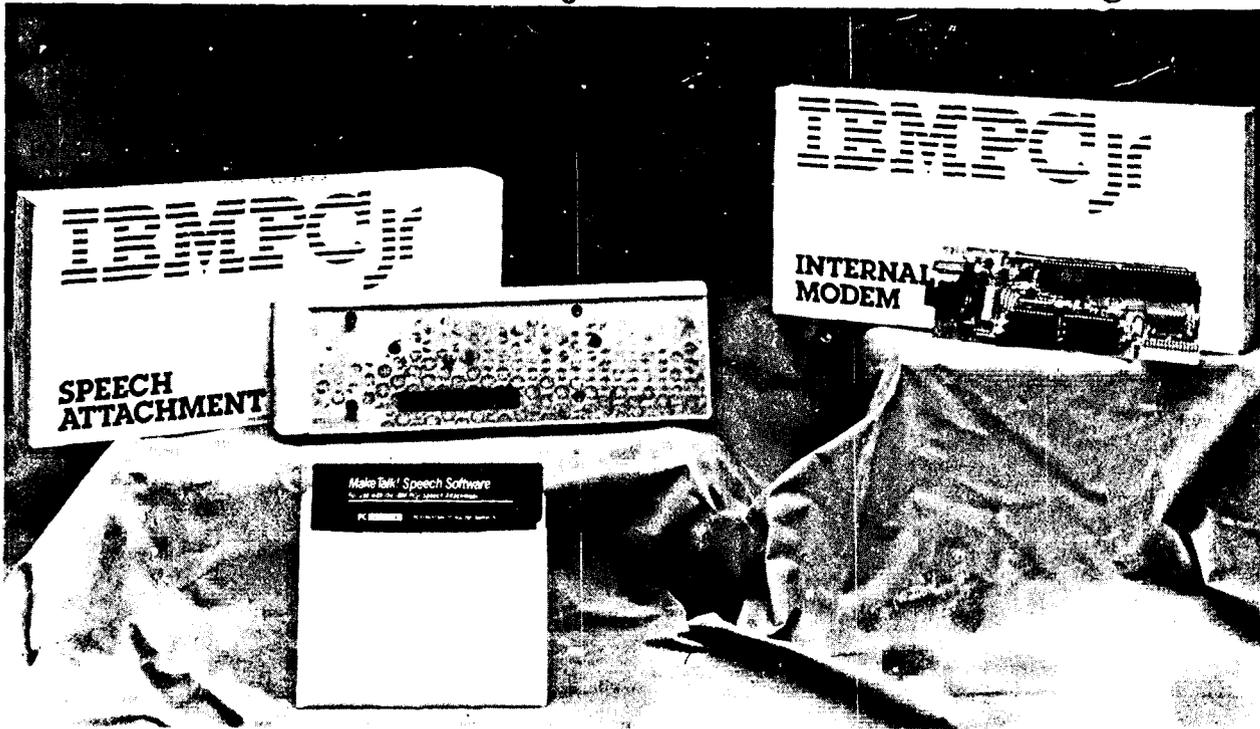
Specifications

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.*

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 else's 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
Regular Price: \$98

Catalog #85501
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.

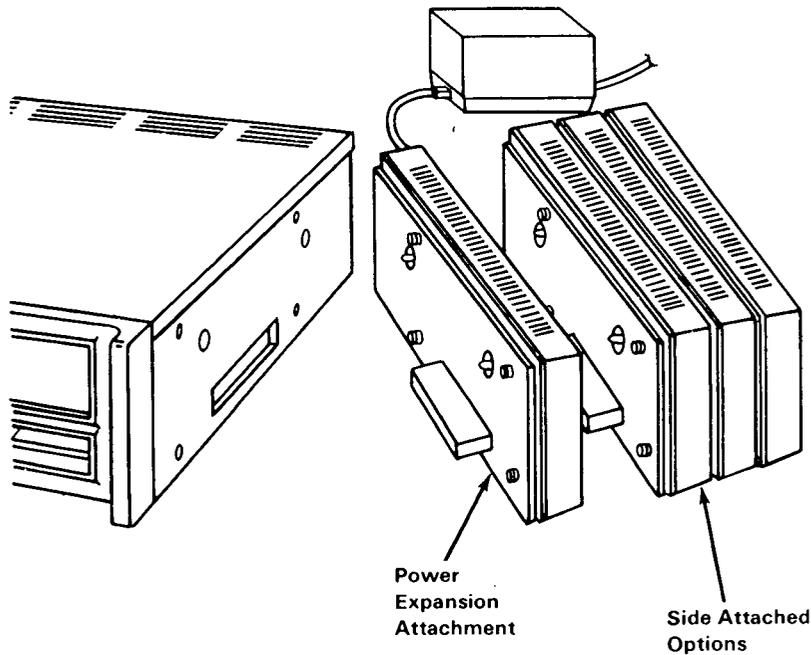
Telecommunications Starter Package

Catalog #79024

Sale Price: \$29.95

Sale prices are valid for at least 30 days - provided our supplies last. After 30 days the sale may or may not be extended.

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.

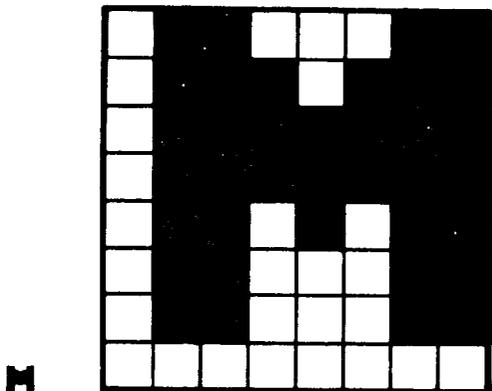
Sidecars plugged to the right side of the Power Expansion Sidecar receive their power from the Power Expansion Attachment. Sidecars plugged to the left of the Power Expansion continue to receive power from the power supply inside the PCjr.

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.

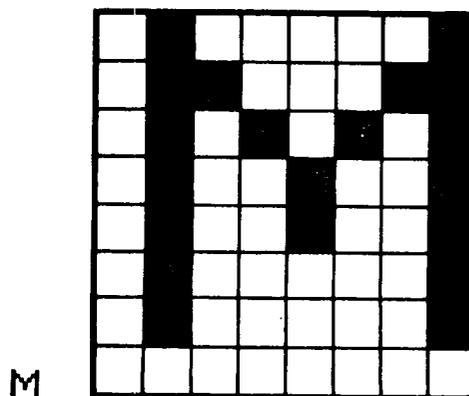
For anyone who has added at least one PCjr sidecar, the Power Expansion Sidecar is therefore a fast and simple way to add additional power. So don't let this opportunity pass you by! We don't know of a better way to add power to your PCjr unless you install a PC Enterprises Junior Drive Expansion Chassis 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 #79009 New Low Price: \$59.95

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 monitor.

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.

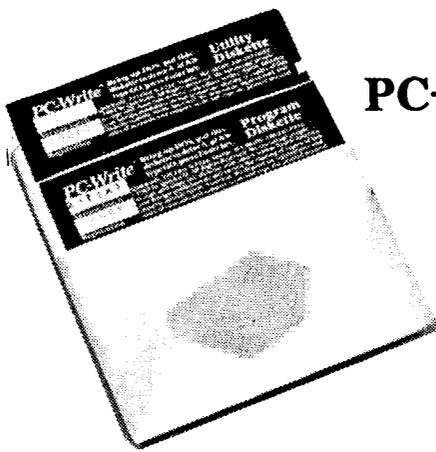
Once installed, your computer will automatically select the Thin-Font character set each time it is started. And if for any reason you ever want to switch back to the original characters you may do so with a keyboard command.

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



PC-Write

The shareware concept has produced some really remarkable products, and PC-Write is one of the best. The latest release of PC-Write, Version 2.71, is crammed with powerful features. In fact, PC-Write's features will 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.

The above description appears in the February 24, 1987 issue of PC Magazine. PC-Write has grown in power and complexity until it is now widely considered a competitor to such expensive programs as Word Perfect, Microsoft Word, and Xywrite III.

PC-Write is a two disk set. You get full instructions and all software on the two PC-Write diskettes. We provide them for only \$9.95, and encourage you to freely copy and share these diskettes with friends, associates, and customers.

256K Required - Two Disk Set
 Catalog #87001 Price: \$9.95

DOS 2.1 with Manual

The DOS designed to work with the PCjr. Compatible with all PCjr expansion products including disk drives, memory expansion boards and mice. An extremely small quantity are available. Not shown in photo.
 Catalog #86011 Price: \$49.95

PCjr Hardware and Service Manual

Provides step by step test procedures to help you diagnose problems with your PCjr. Also includes four special test adapters which plug into the rear of the PCjr. These adapters permit you to run the computer's Advanced Power On Self Test. Not shown in photo.
 Catalog #79016 Price: \$79.00

QuickSilver Cartridge

Often PCjr owners complain that the PCjr takes an awful long time to get started. Indeed, especially if you have expanded your memory, the booting process does seem to take forever.

The QuickSilver Cartridge solves this problem. It was designed for those who would prefer their PCjr power up quickly and silently. Once installed the QuickSilver memory test replaces the IBM memory test. The new test is fast and efficient. So fast that you'll hardly notice any delay at all!

The QuickSilver Cartridge also eliminates the annoying beep which is normally heard at the conclusion of the memory test to signify the system has successfully completed the POST.

But what's most important to many, the QuickSilver Cartridge modifies the PCjr keyboard BIOS so that the PCjr is even more compatible with the PC senior. This means with the QuickSilver Cartridge installed you'll be able to run more PC programs than ever before!

This cartridge works in either slot, works with all other known cartridges, does not use any program memory, and does not need any supporting software. It is completely compatible with all known PCjr add on products and speed up boards.

The QuickSilver cartridge is often used by those who need their PCjr to power up as quickly as possible. It can be essential in the testing environment and is an excellent tool to have available when you have a program which will not run correctly because of a keyboard problem.

Catalog #18027 Price: \$29.95

Extremely small quantities of these products are available. Please call before ordering.

PCjr Technical Reference Manual (new)
 Catalog #79015 Price: \$49.95

PCjr Cartridge Basic (used)
 Catalog #78722 Price: \$89.00

IBM Brand PCjr Keyboard Cord (used)
 Catalog #78724 Price: \$9.95

IBM Planning Assistant (new)
 Catalog #86006 Price: \$79.00

IBM Graphing Assistant (new)
 Catalog #86018 Price: \$79.00

BIOS Upgrade Cartridges Change...



The Keyboard Buffer Cartridge can make your PCjr perform like a PC or an XT

The jrVideo Cartridge is a Video Speedup Product for the PCjr

Keyboard Buffer Cartridge

The PCjr has been sharply criticized because its keyboard can not be used while the disk drive is spinning. Other computers, such as the IBM PC and XT do not have this problem. This is because they utilize a feature known as DMA (Direct Memory Access) which permits typing while the disk drive is being accessed.

Computers which have DMA can be operated more quickly than other computers. Because you don't have to wait for the computer to finish doing what it-wants-to-do just to tell it what you want-it-to-do!

But the PCjr doesn't have DMA. That's why it beeps if you happen to type while the disk drive is operating. Indeed, this can be quite annoying.

Alas, the Keyboard Buffer Cartridge is the answer to your problem. This cartridge replaces the BIOS routine which handles keyboard input with a new routine which synchronizes diskette access with keyboard input.

As a result, you'll be able to type up to 47 characters while the disk drive is operating - just like you would if you were using a computer which has DMA. The Keyboard Buffer Cartridge sees to it that the information you type is stored in

memory until the computer is ready to accept the information - without ever losing a character!

Much more important to most is that the Keyboard Buffer Cartridge improves the reliability of your system. Several bugs which often cause system crashes can be found in the existing keyboard input routines. These bugs cause your keyboard to "hang up" while running your programs. The Keyboard Buffer Cartridge prevents four known bugs in DOS and two bugs in BIOS from causing your system to crash!

The Keyboard Buffer Cartridge is especially popular with PCjr users who also use a PC. It is also a favorite of both advanced and intermediate users and with those who use word processing programs which have automatic backup features.

So the next time you find yourself waiting for the disk drive to stop spinning don't wait any longer. Whether you choose the Keyboard Buffer Cartridge alone, or combined with the jrVideo Cartridge, the Keyboard Buffer Cartridge is almost certain to become one of your favorite PCjr products.

Keyboard Buffer Cartridge
Catalog #18001 Price: \$29.95

The Personality of your Computer

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 launched from those who operate a PC. And for the most part they're legitimate. The PCjr does take longer to do so many things.

A variety of acceleration products are now available for the PCjr. Most improve execution speed thereby enabling the PCjr to execute instructions more quickly. But this is not enough. Computed results are meaningless until they are written on the screen - and this is at least one reason why the PCjr seems so sluggish. While your PCjr may execute instructions as quickly as the IBM PC the PCjr takes much longer to do "screen writes".

The jrVideo Cartridge includes three routines which accelerate the display of both text and graphics. The improvement you see will at times be quite dramatic.

jrVideo Routine

The jrVideo routine is activated automatically when the cartridge is plugged into either cartridge slot. All "well behaved" programs use the computer's BIOS to display information on the screen. Sluggish BIOS routines are now replaced with speedier routines. The jrVideo routine therefore causes all programs which use BIOS for screen writes to run much faster.

JRVINT21

The second routine activates support of the speedup while text is displayed through DOS. When you enter the JRVINT21 command you will notice text dashing onto the screen twice as fast as it does now. In fact, directories will scroll so quickly you'll probably start using the pause key to read the directory before it scrolls off the screen!

JRVBUFDD.SYS

A third routine is provided for those who have already expanded their PCjr's memory. The JRVBUFDD.SYS routine permits your PCjr to recognize added memory without slowing down screen writes. You may decide to use this program instead of the memory management software you are now using. Provisions exist to start your computer in the PC Compatible mode - yielding a significant increase in execution speed. Or the Enhanced Graphics mode - so that you can run programs which need more memory allocated to the video buffer. Compatible with DOS's Buffer and Files commands as well as all existing versions of PC DOS. Can be used with all known PCjr memory expansion products.

Other Features

The cartridge also provides better mode defaults, better register protection, and will maintain a shifted screen position when you use the MODE command. In addition, limited support of certain PC-AT and Enhanced Graphic Adapter (EGA) functions are also provided. You can now write your own programs which use the added support. In fact, you might just find that you can run a few other programs which otherwise require EGA support. Compatible with Cartridge Basic and all other cartridges made by PC Enterprises. The JRVINT21 command is not compatible with ANSI.SYS.

jrVideo Cartridge
Catalog #18002

Price: \$29.95

New! Combo Cartridge version 2.0

It is possible to purchase more than one cartridge routine combined within the same cartridge. The Combo Cartridge version 2.0 combines the Keyboard Buffer, jrVideo, and QuickSilver Cartridges to give you three great cartridges in one! In addition, the Combo Cartridge version 2.0 has room inside for still another cartridge routine which can be added at a later date.

Catalog #18028

Price: \$69.95

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 COD's.

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.

Shipping and Handling

Regular Service - \$5.00

Regular Mail Order Service only costs \$5 per order. 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, 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 places you must pay for Priority Service as your order will require special attention.

Top Priority Service - \$22.50 premium

If you want us to "drop everything and process your order" you may select Top Priority Service. In this case we'll try to get your order to you the next day (provided everything is in stock). To select Top Priority Service 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.

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 3:30PM). 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 3:30PM) 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.

Priority Service - \$7.50 premium

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 to your address or if your address is a post office box we'll ship via first class mail. To select Priority Service enter \$7.50 in the Special Services section of the order form. Total S&H charge: \$12.50

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.

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.

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 their original condition in the original unmarked box. We will refund the purchase price of the item(s) less a 15% restocking charge if in our opinion the item must be retested. Sorry, shipping and handling charges are not refundable.

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.

Our Full Year Warranty

All services performed and products manufactured with the PC Enterprises label are warranted for a 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.

Prices Subject to Change

Order Desk (800) 922-PCjr
Customer Service (201) 280-0025

All Sales Final After 30 Days

Configuration Cartridges



It's a PC Identifier Cartridge.
 It's an Equipment Determination Cartridge.
 And it's a Key Lock Indicator Cartridge.
 It's all Three.
 It's Three Cartridges in One!

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.

PC 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 "on the fly" without re-booting. 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.

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.

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 Key Lock Indicator Lights. One light for Caps Lock, one 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 an Insert mode indicator.

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.

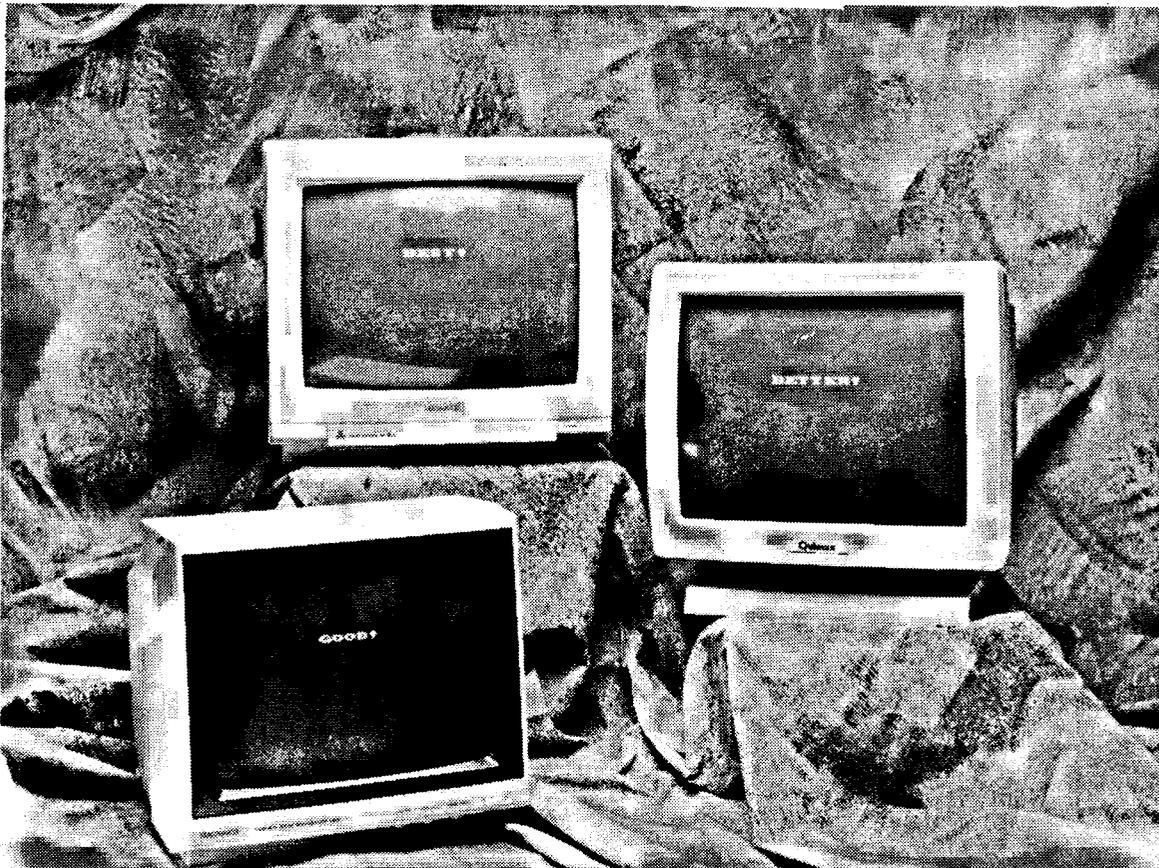
The PC Enterprises Configuration Cartridge solves this problem. Just flip the PC/PCjr switch to the PC position and the cartridge will cause the PCjr to respond with the identification code for the IBM PC. Now, when you try to run the diskette version of Basic it runs just as if you were using an IBM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



Computer monitors purchased from PC Enterprises come with all adapters and cables needed to use the monitor with a PCjr. Please note that monitor manufacturers often introduce newer models quite frequently. you should order a model which is no longer available to us we will ship you a newer model (at the lower price) or another manufacturer's equivalent model. Sorry, Priority Service is not available for monitors.

Lower

Low Cost Monochrome

These monitors plug into the PCjr video composite jack on the rear of the PCjr. Where a low cost, lightweight, or compact monitor is desired these monitors are ideal. They can even be used at the same time as the PCjr Color Display or any other monitor which plugs into the PCjr Display (D) Connector. This feature is often desired by those who prefer a monochrome display for word processing, yet wish to keep their color display connected for games and other applications. 12" diagonally measured screen with a non-glare CRT. Built in speaker. Available in green or amber.

Magnavox model BM7622 (Amber)
Catalog #78807 Price: \$139

Magnavox model BM7652 (Green)
Catalog #78806 Price: \$139

Middle

High Resolution Monochrome

The Quimax DM-1400 has a 16-step gray scale for superb rendering of color into monochrome. Available with either an amber or green display with 750 x 350 resolution. Plugs into the PCjr Display (D) connector in the rear of the PCjr with the adapter provided. The 13-inch (diagonal) screen can support applications to 132 columns x 44 lines. Tilt/Swivel base. If you've been looking for a high resolution monitor for word processing, spreadsheet, or other applications, and you don't need color, the DM-1400 is the monitor you've been looking for.

Model DM-1400 13" screen
Catalog #78808 Price: \$225

Model DM-1400 with green screen
Catalog #78809 Price: \$225

Top

High Resolution RGB (Color)

The Magnavox CM8762 is by far our most popular color monitor. It has a 13-inch (diagonal) screen and can be connected to either the PCjr Display (D) connector in the rear of the PCjr, or the video composite (V) connector. It's 640 x 240 resolution provides sharp images. A green text display switch is also included for those who prefer a monochrome display for word processing or other applications. Also includes both vertical and horizontal centering controls as well as an audio input for sound reproduction. Variable sharpness control with comb filter for improved image sharpness. Built-in tilt stand. Can be used with your PCjr, VCR, video disc player and any other device that generates a composite video signal.

Catalog #78809 Price: \$320

Discontinued!

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.

In the store you would expect these games to sell for up to \$34.95 each. But now, for a limited time, these Spinnaker Education Games can be offered at a special price.

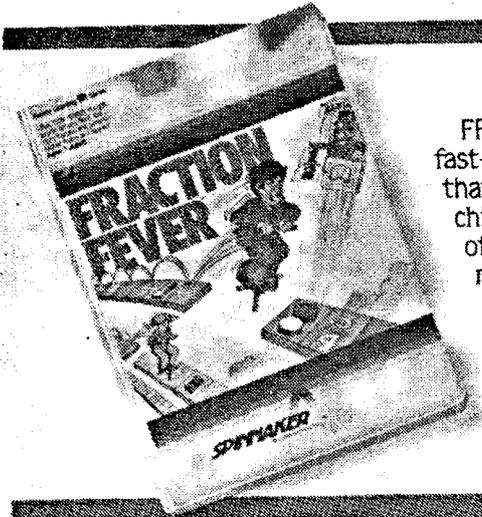
Cartridge Software Bonanza

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

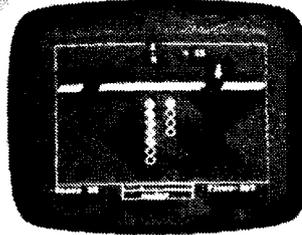
Spinnaker Cartridge Software Bonanza
Catalog # 10024 Special Price: \$24.90

Introduce your Children to Computers!



FRACTION FEVER™ 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

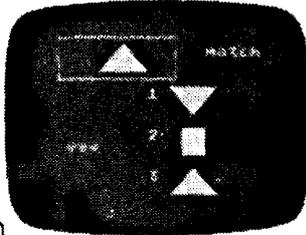


fraction is and of relationships between fractions. They're even discovering that the same fraction may be written in a number of different ways.

All in all, FRACTION FEVER encourages kids to learn as much as they can about fractions - just for the fun of it!

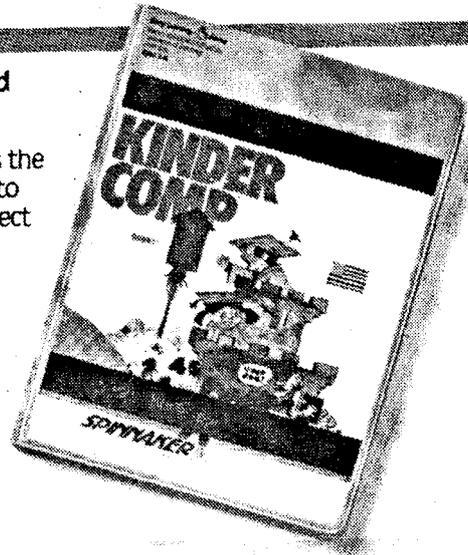
KINDERCOMP™ Numbers, shapes, letters, words and drawings make fun. Ages 3 to 8.

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 color-



ful rewards, as the screen comes to life when correct answers are given.

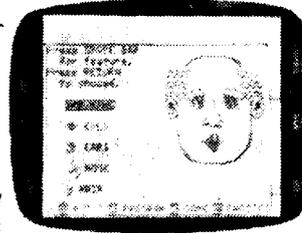
As a parent, you can enjoy the fact that your children are having fun while improving their reading readiness and counting skills.



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.

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

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

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

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.

TEST DRIVE

If you've ever wondered what it would be like to experience the power and performance of the world'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.

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

CALIFORNIA GAMES

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!

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

PAPERBOY

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.

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

SPACE QUEST THE SARIAN ENCOUNTER

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.

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

THEXDER

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

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

POLICE QUEST

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.

POLICE QUEST 1 - Catalog #86606
Requires 256K
List \$49.95 Our Price \$37.46

POLICE QUEST 2 - Catalog #86615
Requires 256K
List \$49.95 Our Price \$37.96

Software That's Fun-to-Run

For The Young...

ALF

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!

Requires 128K

Catalog #86603

List \$14.95 Our Price \$11.21

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

Wheel of Fortune I

Catalog #86702 Price: \$12.99

Wheel of Fortune II

Catalog #86703 Price: \$14.99

Family Feud

Catalog #86701 Price: \$12.99

Jeopardy

Catalog #86704 Price: \$12.99

Jeopardy II

Catalog #86705 Price: \$12.99

Concentration

Catalog #86706 Price: \$12.99

Card Sharks

Catalog #86707 Price: \$14.99

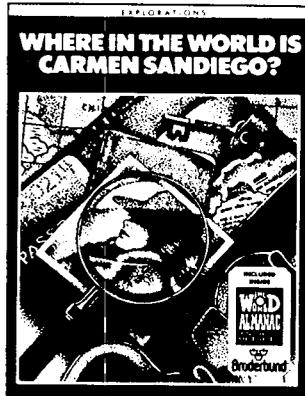
High Rollers

Catalog #86708 Price: \$14.99

\$100,000 Pyramid

Catalog #86709 Price: \$14.99

The Not-So-Young...



WHERE IN THE WORLD IS CARMEN SANDIEGO?

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.

Requires 256K

Catalog #86611

List \$39.95 Our Price \$29.96

WHERE IN THE USA IS CARMEN SANDIEGO?

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.

Requires 256K

Catalog #86612

List \$44.95 Our Price \$33.71

PSYCHO

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.

Requires 256K

Catalog #86610

List \$24.99 Our Price \$18.74

And For

Those Over 21

LEISURE SUIT LARRY

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.

Requires 256K

Order Catalog #86601

List \$39.95 Our Price \$29.96



LEISURE SUIT LARRY GOES LOOKING FOR LOVE

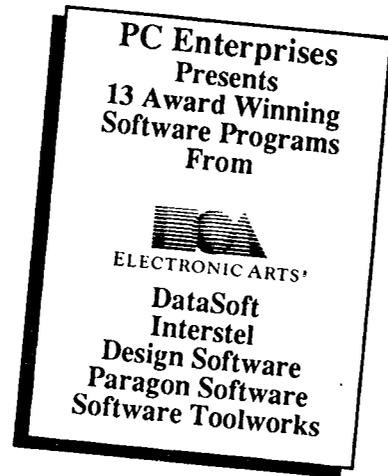
Why is it that some of the loveliest ladies in the western hemisphere are suddenly hot to get their hands on Larry and why is Larry resisting their advances? You and Larry are off on another exciting adventure. Larry wins the lottery (or does he?). Now Larry is looking only for Miss Right as opposed 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.

Requires 512K and Speed Up Board

Catalog #86609

List \$49.95 Our Price \$37.46

13 WAYS TO FIRE UP YOUR JR!



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,

\$31¹⁹

race against 6 computer opponents.
Requires 256K
384K Recommended
Catalog #86506

Sug. Retail \$39.99



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

\$31¹⁹

Sug. Retail \$39.99



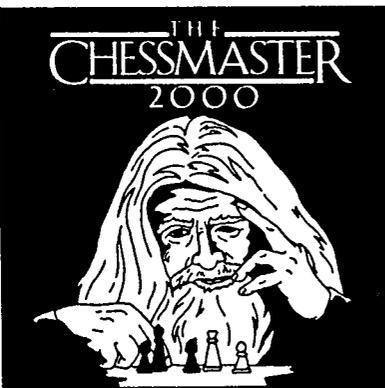
Starflight

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.

\$38⁹⁹

Requires 384K
512K Recommended
Catalog #86505

Sug. Retail \$49.99



The Chessmaster 2000

By *Software Toolworks*
The national bestseller 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 2000 is a knowledgeable tutor, an impartial

\$35⁰⁹

referee — and a powerful opponent.
Requires 384K
512K Recommended
Catalog #86508

Sug. Retail \$44.99

Datasoft®

221 B Baker St.

by *Datasoft*

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

Requires 256K
384K Recommended
Catalog #86509

\$27²⁹

Sug. Retail \$34.99

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

\$19⁴⁹

Sug. Retail \$24.99



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

\$38⁹⁹

character whose magic is in his music.

Requires 256K

384K Recommended

Sug. Retail \$49.99

Catalog #86504



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

\$27⁹⁹

Sug. Retail \$34.99



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!

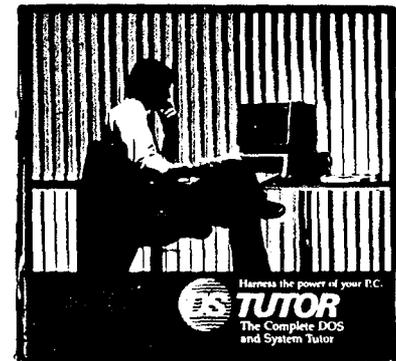
\$38⁹⁹

Requires 256K

384K Recommended

Sug. Retail \$49.99

Catalog #86501



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

\$31¹⁹

Sug. Retail \$39.99



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

\$38⁹⁹

wherever the currents carry you!

Requires 384K

512K Recommended

Sug. Retail \$49.99

Catalog #86503



Master Ninja:

Shadow Warrior of Death

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 3 1/2" 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!

\$17⁹⁹

Requires 384K

512K Recommended

Catalog #86511



Mavis Beacon Teaches Typing!

by *Software Toolworks*

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

Requires two drives.

256K

Catalog #86016

\$35⁹⁹

Sug. Retail \$44.99



Software Classics

YOUR CHOICE
\$14.95



Patton vs Rommel
Take the role of General George Patton or Field Marshal Erwin Rommel as they battle for the future of Europe!
Catalog #86523



Music Construction Set
The bestselling music composition program in computing history.
Catalog #86513

Dr J and Larry Bird Go One on One
Take on the characteristics of the Bird, or the Doctor - shooting abilities and speed are at your command.
Catalog #86514

Pinball Construction Set
Create your own video pinball games. Over two dozen working pinball parts, including bumpers, and flippers.
Catalog #86515

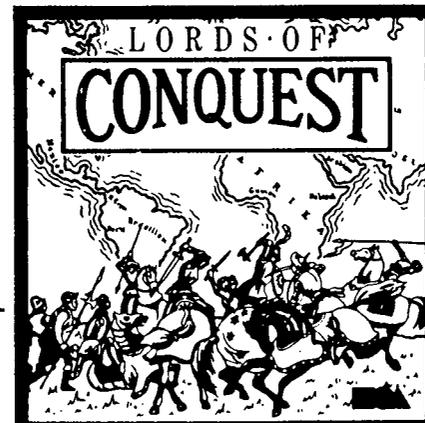
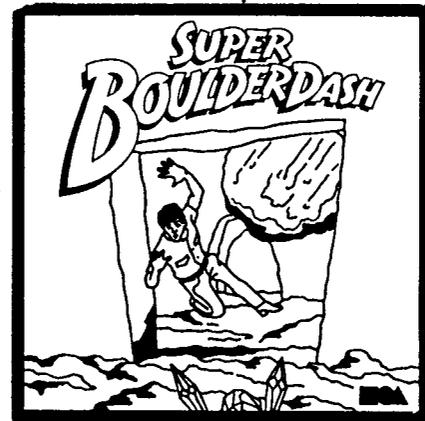
Seven Cities of Gold
Explore the New World as Cortez did: dealing with navigation, disease, and not-always-friendly natives.
Catalog #86516

Arctic Fox
The best combat tank game on ever! You'll control the tank, use mines, hear the enemy, and shoot from a first-person view guided by a tank commander.
Catalog #86522

Super BoulderDash
You get the original award-winning action strategy game BoulderDash - plus Super BoulderDash, the exciting sequel.
Catalog #86517

Lords of Conquest
A great conquer the world strategy game. A world map is your battlefield and world conquest is your goal.
Catalog #86524

These programs run on PCjr's with 128K of memory - however, most run faster when at least 256K is installed. Also note, certain titles are enhanced by PC Enterprises for PCjr compatibility.



Productivity Software

ANDREW TOBIAS 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

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

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

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

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



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.

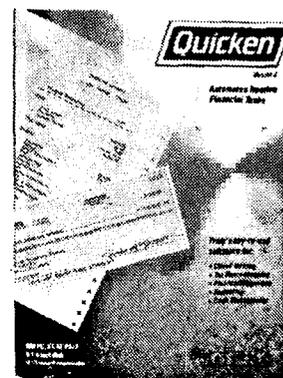
Requires 128K
Catalog #86302
List \$49.95 Our Price \$37.46



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



QUICKEN

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

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

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.

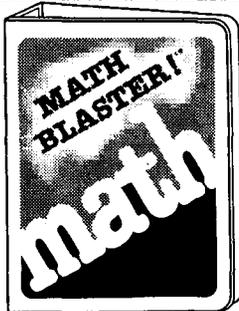
MIXED-UP MOTHER GOOSE

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. Requires 256K.

List: \$29.95 Our Price: \$18.72
Order Catalog #86207

MATH BLASTER

Requires 256K
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.

Order Catalog #86201

DESIGN-ASAURUS *

Requires 512K
List \$39.95
Our Price: \$29.96

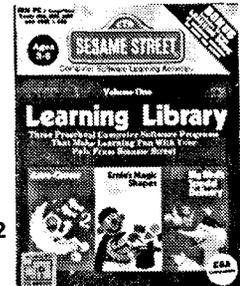


An exciting program for everyone who loves dinosaurs! The program has three parts; Walk-A-Dinosaur, Build-A-Dinosaur, and Print-A-Dinosaur, which increases the child's interest in science and stimulates creative and independent thought.

Order Catalog #86206

LEARNING * LIBRARY

Requires 256K
List \$29.95
Our Price \$18.72

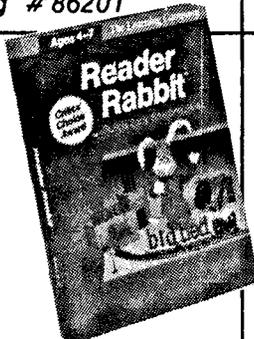


Three preschool computer software programs that make learning fun with your pals from Sesame Street. Let Ernie, Big Bird, and Astro Grover help your child learn about numbers, shapes, and classification concepts.

Order Catalog #86209

READER RABBIT

Requires 256K
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.

Order Catalog #86203

THINK QUICK

Requires 256K
List \$49.95
Our Price \$37.46

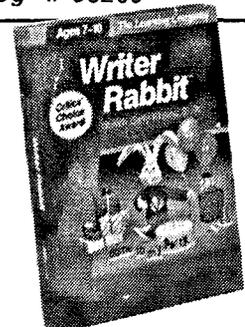


An educational, fun game which will help build your child's thinking skills. With six different game levels, your child will go from room to room solving different puzzles. Designed for ages 7 to 14.

Order Catalog #86204

WRITER RABBIT

Requires 256K
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.

Order Catalog #86208

* Please Call To Determine Availability Before Ordering

PCjr Game Cartridges

"Challenging and exciting are the words which best describe Demon Attack. The graphics are vivid. The action is fast. And the demons are elusive."



"Microsurgeon has vivid graphics with good attention to detail. It is both fun and educational."



*Limited Quantities
Please Call Before Ordering*

Microsurgeon by IMAGIC

The patient is critically ill – and you are the microsurgeon! Start by checking the patient's 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 patient's 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 its 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

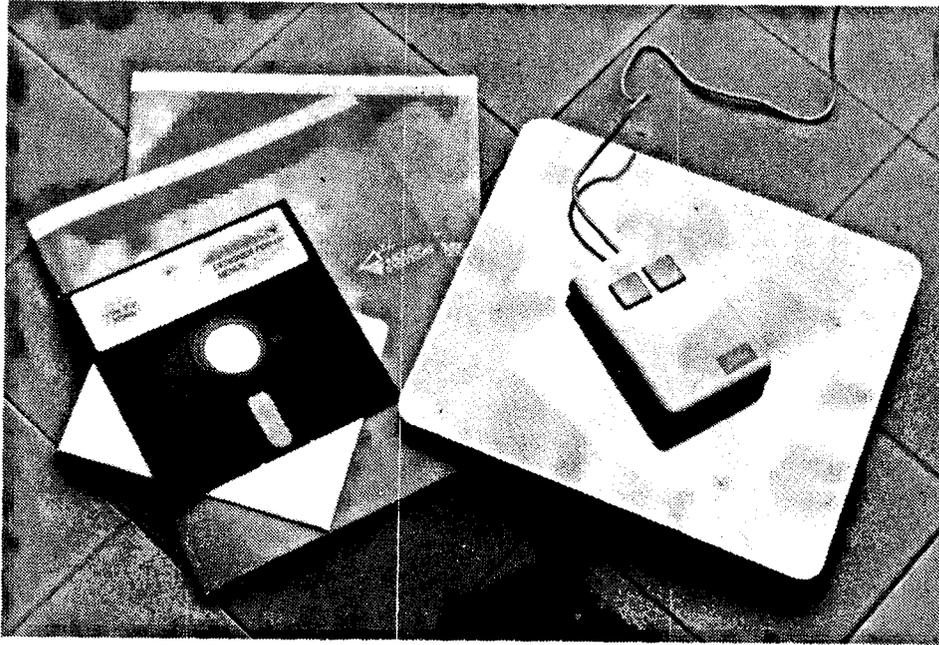
Mouser by IBM

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

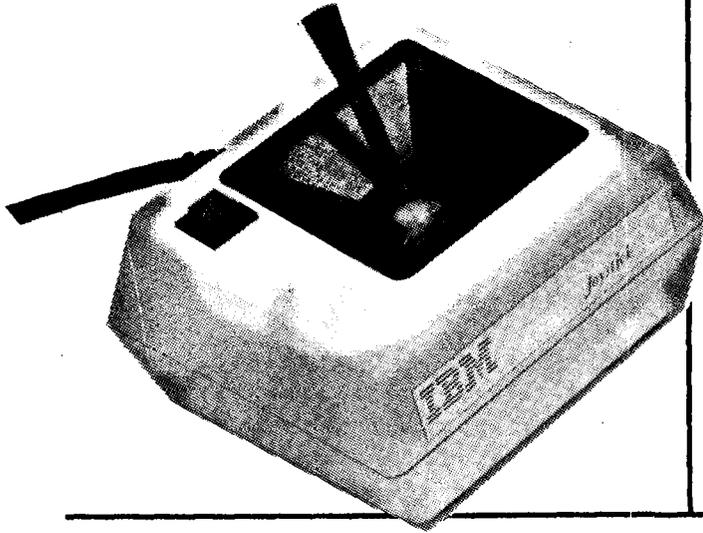
PCjr Optical Mouse with a male DB25 connector
Select this mouse if you are already using the "S" connector in the rear of the PCjr. This mouse uses a male 25 position D connector which can be plugged into a "serial" switching box such as catalog #75501. Also uses the light pen ("LP") connector.

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.

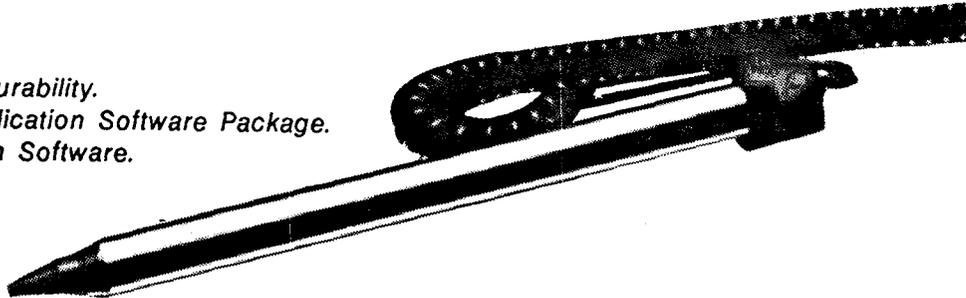
IBM PCjr Joystick
Catalog #74506

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.

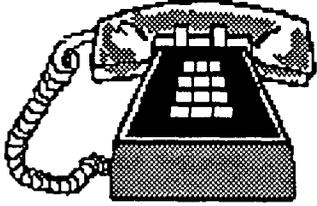
Catalog #75101

Price: \$119.00

Replacement Parts for Your PCjr

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?

Now Spare
Parts are
Just a
Phone
Call Away!



Not to worry!

Spare parts are just a phone call away because now you can purchase any component part of the PCjr directly from PC Enterprises. This insures parts for the PCjr will remain available for a long long time - because unlike other companies which abandoned the PCjr, we at PC Enterprises are PCjr specialists.

And best of all, spare parts purchased from PC Enterprises are reconditioned original PCjr parts. This means you'll receive quality parts and still pay the lowest possible price!

If Your PCjr Ever Stops Working...

Relax. It's not likely that you'll need to send your computer to a repair shop. Chances are great that you'll be able to fix your PCjr yourself - even if you're not technically inclined.

First, become familiar with the 12 individual component parts of the PCjr. These parts are shown on subsequent pages of this catalog. All you'll need to do is determine which part has stopped working - then pick up your phone and order a replacement.

The PCjr helps you determine which part needs to be replaced because it automatically runs a Power On Self Test (POST) each time the computer is started. When the POST detects a problem and error message will be displayed. Refer to the Error Message Table on this page if you receive an error message.

Additional tests can be performed by running the built in diagnostics. To do this press the Ctrl, Alt, and Del keys all at the same time. Refer to the "Testing" section of the Guide to Operations Manual for further information.

The PCjr Hardware and Service Manual (#79016) is also available to help you isolate problems. This product includes special test plugs and instructions which permit you to run diagnostics designed to determine the specific component part which has failed.

For those who are technically willing and able to attempt board level repair we offer and highly recommend the Sams's ComputerFacts for the PCjr (#79002).

And of course, our Customer Service Department will be happy to assist you if you need to contact one of our technicians.

White or Black Screen

If you receive a white or black screen the problem which has occurred is preventing the usual POST from running. When this happens attempt to isolate the problem by removing everything which is non essential to operation. First unplug everything from the rear of the computer except the Power Transformer. Next remove all of your cartridges and sidecars, the 64K Memory and Display Card, Wireless Receiver, and Disk Drive Adapter Card. The PCjr should work fine in this stripped down configuration. If it does not you can be quite certain the problem is caused by a defective Power Transformer, Power Supply Card, or System Board.

If your system works in this stripped down configuration replace each item one at a time until you determine which item is causing the white or black screen.

Error Message Table and Troubleshooting Guide

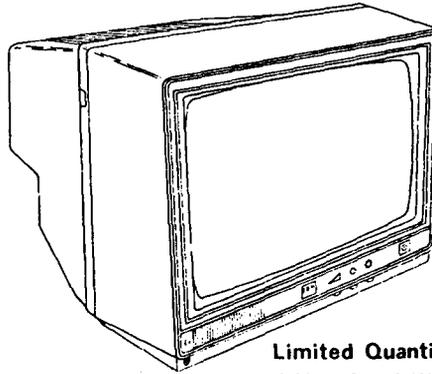
The table below is intended to serve as a general troubleshooting guide and should help isolate problems when an error message is displayed.

<p>Error A Memory Sidecar 64K Memory Expansion PCjr System Board</p>	<p>Error D or G Cartridges Sidecars</p>
<p>Error B Keyboard Keyboard Cable (if used) Wireless Receiver</p>	<p>Error E Internal Modem</p>
<p>Error C Cassette Port</p>	<p>Error H Disk Drive Disk Drive Controller Card Disk Drive Power Cable Disk Drive Signal Cable</p>

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 PCjr Monitor or System Unit? These previously owned Color Displays and Enhanced Model PCjr System Units can now be purchased for a fraction of the cost if they were new.



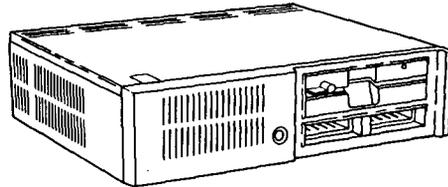
Limited Quantities
Offer Good While Supplies Last

The PCjr Color Display is the monitor designed to plug 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 you'll need to run software - except for the monitor. The system comes with 128K of memory, a floppy disk drive and the improved PCjr replacement keyboard.

PCjr Color Display
Catalog # 78705 Price: \$199

PCjr system units are often purchased and used as a complete system or saved as a spare, but more often than not they are purchased by people who are currently experiencing some sort of problem with their existing PCjr.



Enhanced Model PCjr System
Catalog # 78704 Price: \$199

When the cost and inconvenience associated with purchasing replacement parts is considered, a second PCjr is a real bargain. Having a second PCjr will permit you to isolate problems with your existing PCjr by swapping parts.

Save the Most when you Trade-In Defective PCjr Parts

Several replacement parts in our catalog qualify you to receive a trade-in credit when you return your defective part to PC Enterprises in accordance with our Trade-in policy.

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

Note that the certificate which entitles you to receive a trade-in credit is sent automatically regardless of whether or not you intend to trade in your defective part. This means there's no need to tell anyone at the time you place your order that you will be trading in your old part.

Trade-in Policy

1. Buy the replacement part from PC Enterprises and pay the regular price. You will receive a certificate for the trade-in credit listed in our catalog.
2. Return the defective part along with the certificate, postage prepaid, to PC Enterprises within 60 days of when 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 returned for credit PC Enterprises will validate your certificate and return it to you via US mail.

PC Enterprises 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 reconditioned by us due to abnormal damage. Please allow 4-6 weeks for processing.

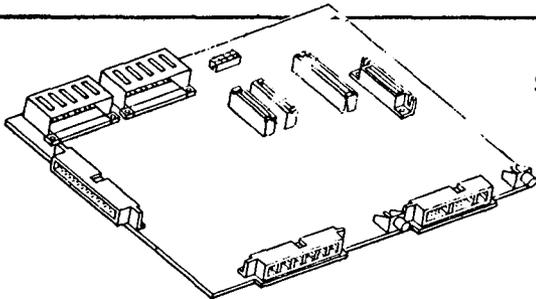
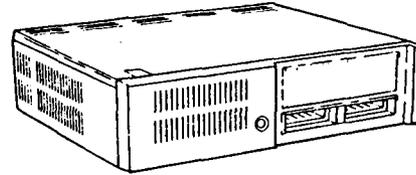
Reconditioned Replacement Parts

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

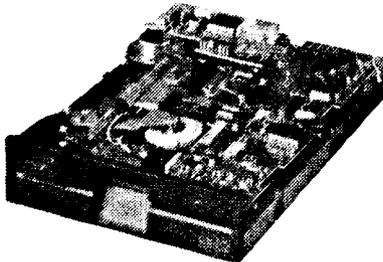
Disk Drive Adapter Card

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

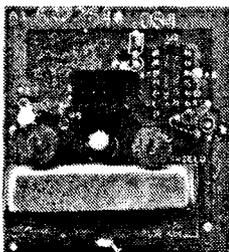
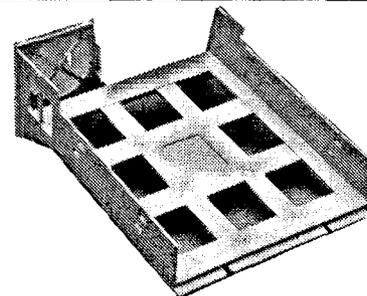
Trade-in Credit \$39

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.



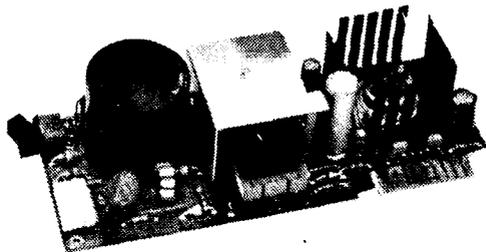
Wireless (IR) Receiver

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

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

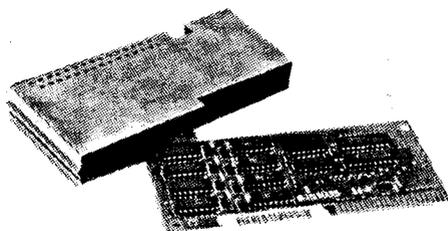
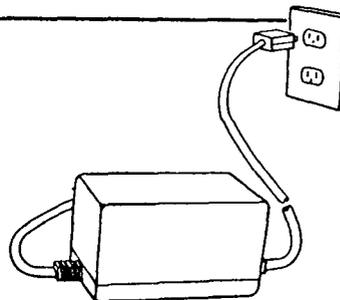
Trade-in Credit: \$25

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: \$34

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

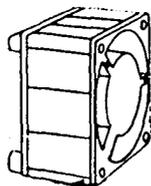
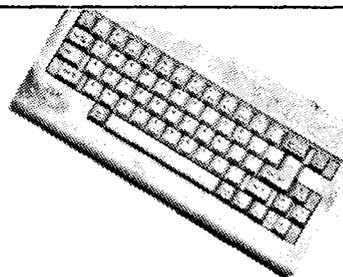
Trade-in Credit: \$25

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.

Catalog #78717 Price: \$25

Sorry, no trade-ins accepted for this item.



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.

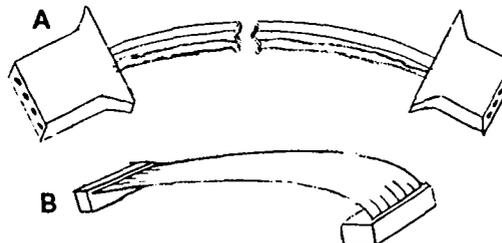
Catalog #78720 Price: 9.95

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

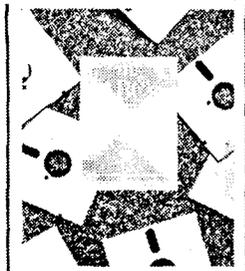


B Disk Drive Signal Cable

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

Sorry, no trade-ins accepted for these items.

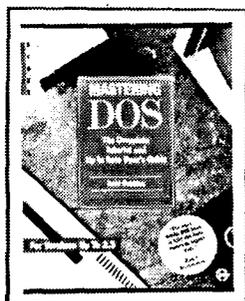
**So You Thought You Had to Pay
the Cover Price when you Bought a Best Selling Book!
Not So... Buy Now and SAVE 20%!**



The ABC's of PC-DOS
Alan R. Miller
233 pages
List Price: \$17.95

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 #85015
Our Price: \$14.36



Mastering DOS
Judd Robbins
Through DOS 3.3
572 pages
List Price: \$19.95

"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. A major book.

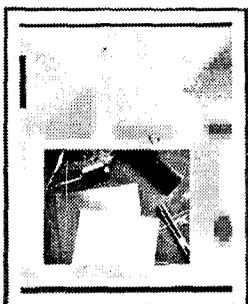
Catalog #85018
Our Price: \$15.96



The ABC's of WordPerfect
Alan R. Neibauer
239 pages
List Price: \$16.95

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. Includes version 4.2

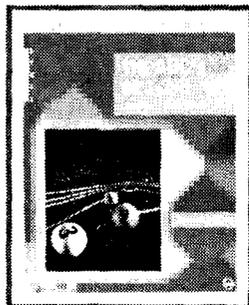
Catalog #85023
Our Price: \$13.56



Mastering WordPerfect
Susan Baake Kelly
425 pages
List Price: \$19.95

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. Includes Version 4.2.

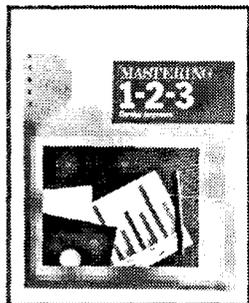
Catalog #85011
Our Price: \$15.96



The ABC's of 1-2-3
(Second Edition)
Chris Gilbert/
Laurie Williams
245 pages
List Price: \$17.95

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.

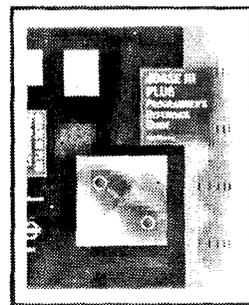
Catalog #85026
Our Price: \$14.36



Mastering 1-2-3
Carolyn Jorgensen
466 pages
List Price: \$19.95

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: \$15.96



dBASE III PLUS
Programmer's Reference Guide
Alan Simpson
675 pages
List Price: \$24.95

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: \$19.96

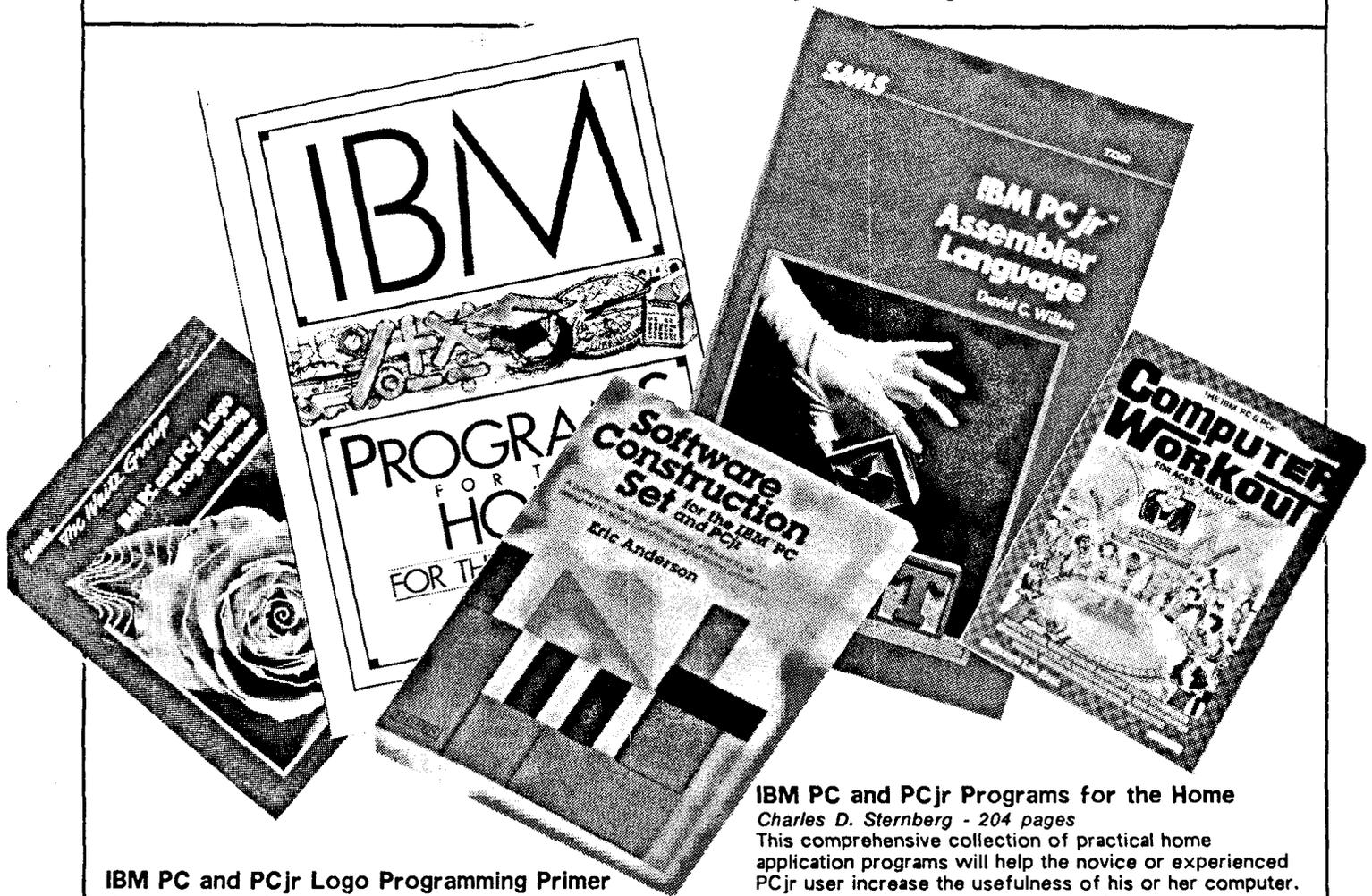


Understanding dBASE III PLUS
Alan Simpson
415 pages
List Price: \$19.95

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: \$15.96

Preferred Books for your PCjr



IBM PC and PCjr Logo Programming Primer

Don Martin, Marljane 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

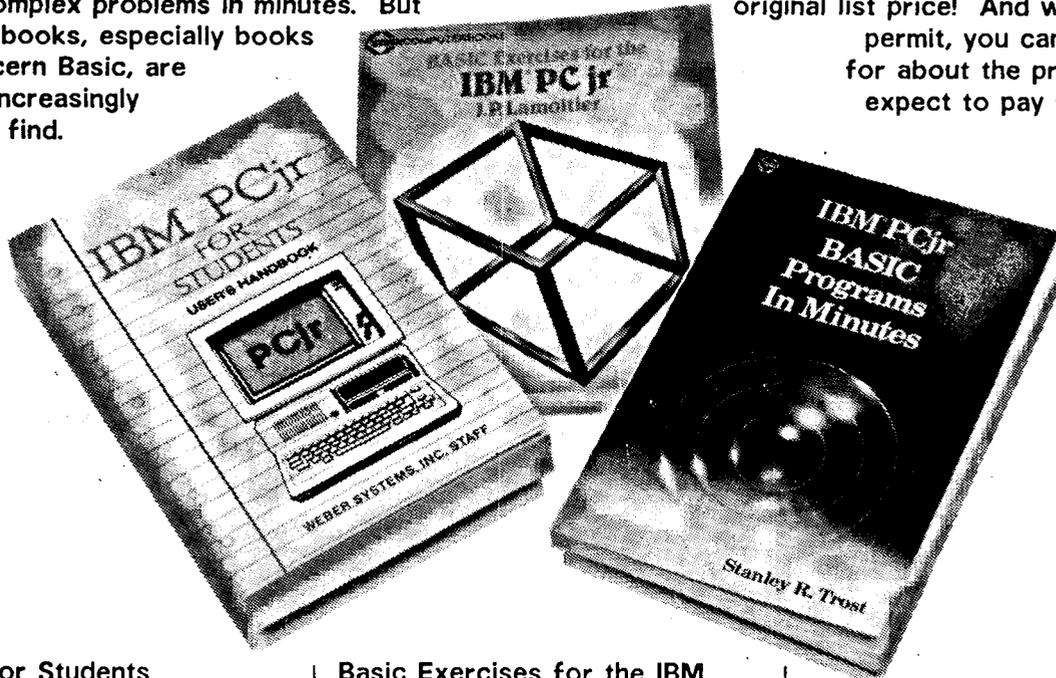
You'll have quite a workout solving over 40 crossword puzzles, word searches, mix and match games, and other fun games. Included are programming tips that will help you put your programs into great shape. Have fun while you test your computer's problem solving skills and develop your programming muscles. 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

Buy all three and save an additional 20%
Pay less than you would expect to pay for just one!

Catalog #10028 Price: \$16.95

jrROM Clock

Now you can add "just" a clock/calendar to your PCjr! With the jrROM-Clock installed the date and time will be entered for you. Automatically. Each time your computer is powered up.



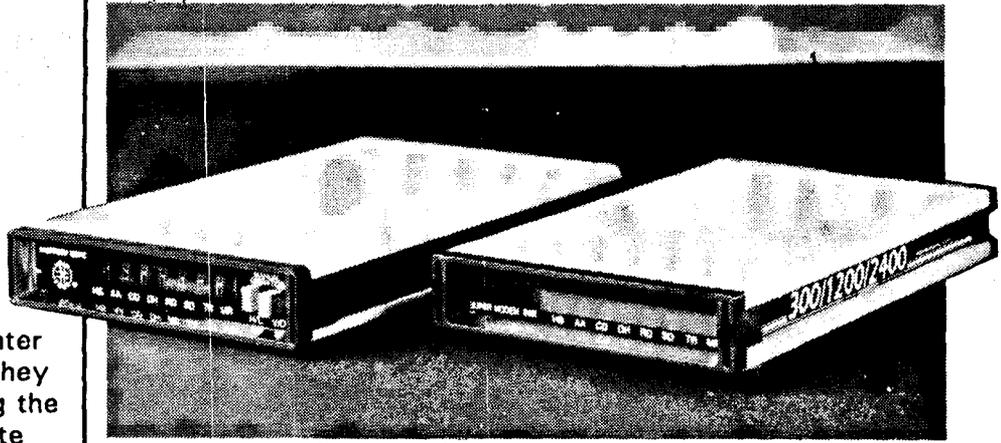
Many people do not bother to enter the correct date and time when they start their computer. But entering the correct date and time can be quite important - if you use your computer for more than just playing games. DOS records the date and time on your diskette each time you create or change a file. When you enter the correct date and time you'll be able to determine the last time each of your files were last changed. Simply by viewing the diskette's directory. You'll know which file is old... and which file is new.

To install the jrROM-Clock you must first remove your computer's internal disk drive. The jrROM-Clock is installed underneath one of the 28 pin ROM BIOS chips which are mounted on the PCjr motherboard. Installation is not difficult provided your computer's ROM BIOS chips are not soldered to the motherboard.

Catalog #14801

Price: \$39.95

1200 and 2400 BAUD Hayes Compatible Modems



Includes \$15 CompuServe Credit!

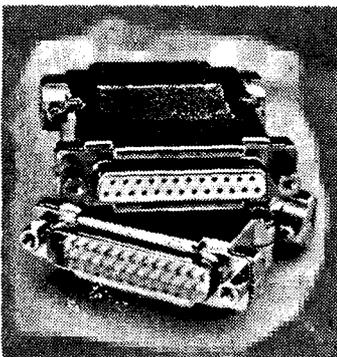
Now you have two great external modems to choose from! The Modem 1200 features 1200/300/110 bps speed selection and the Super Modem 2400 features these speeds as well as 2400 baud. Both have auto dial/auto answer/auto speed detect capabilities. Both have eight front panel status lights, an RS232 interface, 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.

1200 Baud External Modem
Catalog #75507
Reduced: \$129.00

But most important of all, these modems have been found to work extremely well with the PCjr. To connect either modem to your PCjr use a PCjr serial cable (such as our catalog #22505-4). Or, if you already have something plugged into your 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.

2400 Baud External Modem
Catalog #75516
Price: \$249.00

Gender Changers



Top

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

Bottom

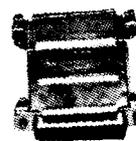
Male Gender Changers

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

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

Null Modem/Serial Printer Adapters



Our PCjr Serial cables (#22505) are designed to connect directly to any Hayes compatible modem or mouse and to

some serial printers. If you want to connect your PCjr serial port to that of another computer, or to another serial printer you must change the pinout of your cable. To change the pinout you may take apart and reassemble your cable, or try our Null Modem/Serial Printer Adapter. This adapter makes several common pinout changes often required to operate many printers.

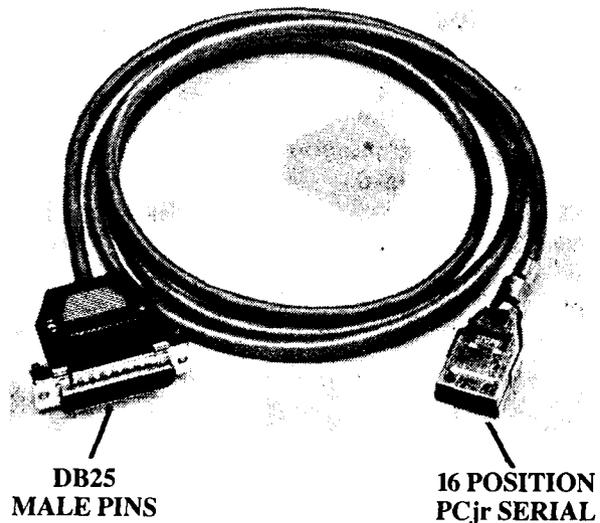
Catalog #75510 Price: \$8.95

PCjr Cables and Switching Boxes

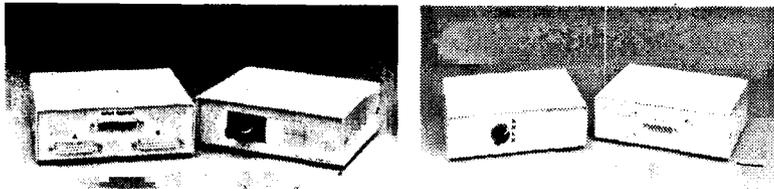
PCjr Serial Cables connect to RS232 Devices

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.

DB25 female to male cable

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

DB25 male to male

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

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

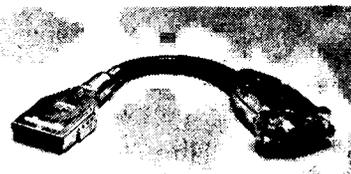
Attaches to PCjr serial peripheral and changes the PCjr serial connector to an RS232 connector. Male RS232 connectors plug into AB and other switching boxes without any other adapters. Female RS232 connectors permit you to attach the PCjr serial peripheral to an IBM PC or other compatible.

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

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

Adapter for Color Displays

Attach an industry standard color monitor to your PCjr

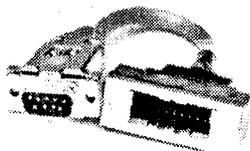


Permits industry standard RGB color monitors to be used with the PCjr or a PC Convertible. One end of this adapter plugs into the connector marked with a "D" in the rear of the computer. The other end of this adapter has a female 9 pin D connector which plugs into the male 9 pin D connector found on 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

PCjr Monitor Adapter

Connect your PCjr Monitor to a PC Compatible



Permits the PCjr Color Display to be used with any PC or PC compatible which has been set up to use an RGB (color) monitor. One end of this adapter plugs into the cable which is presently attached to your PCjr Color Display. The other end has a male 9 pin D connector which will plug into the Color Graphics Adapter (CGA) of any PC compatible.

Catalog #22511-1 Price: \$24.95

PC Joystick Adapter for PCjr



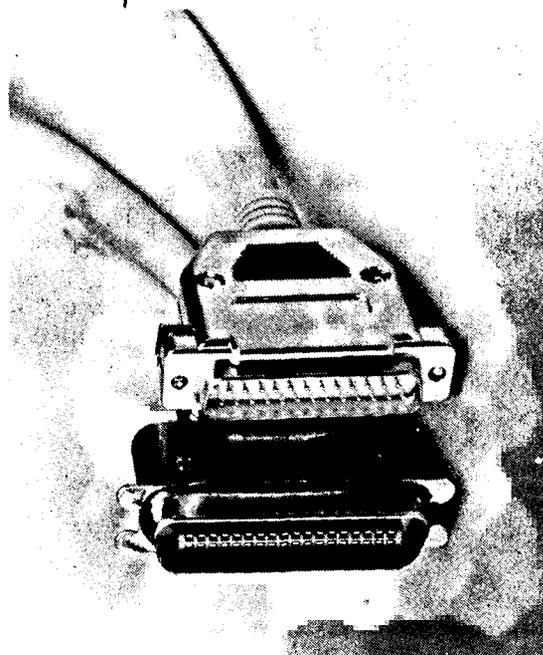
Use your PC joysticks with your PCjr

Permits the use of IBM PC compatible joysticks with the PCjr. Single button joysticks work correctly with programs which run on a PC or PCjr. Programs which only run on the PCjr may require a two button joystick.

Catalog #22503-1 Price: \$14.95

Printer Cables

Works with all PCjr and PC Compatible parallel printer ports!



Connects any printer which uses an industry standard Centronics parallel interface to your IBM PCjr or PC compatible. Shielded.

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

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

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

PCjr 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 one 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



Left

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

Right

Sams ComputerFacts for the PCjr

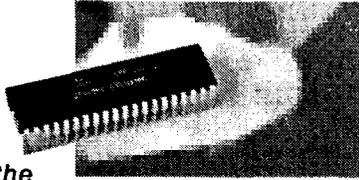
Take the trouble out of troubleshooting. Provides a step by step troubleshooting procedure to help you identify and isolate problems. Identifies test points and the correct waveforms which should be present, provides point to point resistance measurements, and logic level tables. In addition, many type-in 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 Products

V20 Chips



Here's an easy way to improve the performance of your computer.

The PCjr was assembled with an 8088 microprocessor. Today, faster and more efficient microprocessors are available – and the most popular replacement microprocessor for the PCjr is the V20 chip.

This chip has quickly become the first choice of many because it is completely compatible with the 8088 instruction set – however improvements in the chip's micro code enable faster operation... without increasing the clock speed of the computer.

The improvement in execution speed may vary from zero to about 40% – depending upon the application. The most significant improvement will be in the area of number crunching, making this a favorite of those who use spreadsheet software.

You can locate your computer's existing microprocessor underneath the original disk drive. Look for the 40 pin IC which is marked with the numbers 8088. Installation can be accomplished without special tools or skills – provided your microprocessor is mounted in a socket. So please make sure your 8088 is not soldered to the board before ordering.

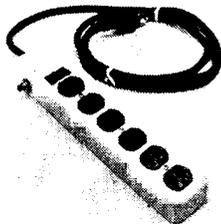
Two versions are available. The V20-5 works fine with any PCjr which operates at 4.77 MHz. Select the V20-5 if you have NOT installed a speed up board which changed the clock speed of your computer.

The V20-10 is for systems which run at speeds up to 10 MHz. Select the V20-10 if you have installed a speed up device in your computer which increased the clock speed.

V20-5 Microprocessor for 4.77 MHz Clocks
Catalog #19001-1 Price: \$14.95

V20-10 Microprocessor for 10 MHz Clocks
Catalog #19001-3 Price: \$16.95

Surge Protector and AC Power Strip



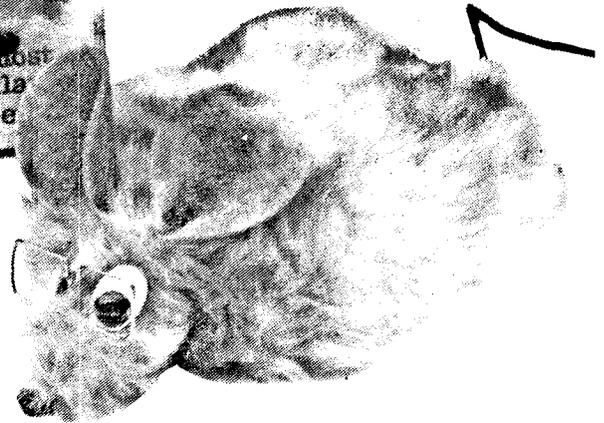
Every computer should be protected!



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

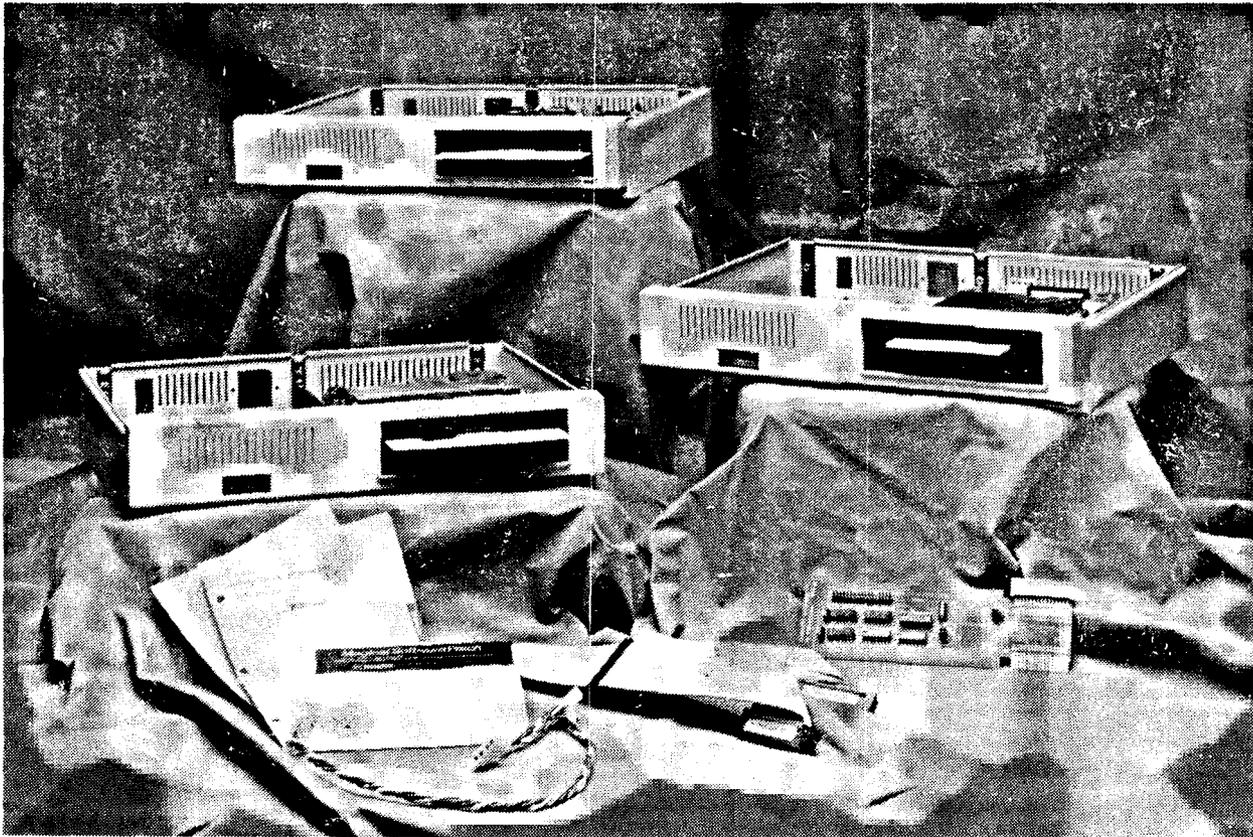
Mousetop - White with Pink ears
Catalog #72009-2 Price: \$9.95

Power surges often cause system crashes. When this happens your keyboard is often locked out or strange patterns will appear on the screen. All data in memory at the time a system crashes is lost. Much worse, permanent damage to your system may result. Surge protectors use metal oxide varistors which act as shock absorbers, limiting potentially damaging electrical transients which would otherwise cause computer disruption and hardware failure. Complete with six outlets, illuminated master switch and 15 amp breaker. Can be used to protect your computer's monitor, printer, modem and other peripherals. Also permits you to power on your computer and all its accessories with one switch. UL listed.

Catalog #79001

Price: \$14.95

The Junior Drive System Has Three Models to Choose From!



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 is capable of controlling up to four floppy drives.

Top
360K Drives for PC Compatibility
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 9

Left
1.2 MB Drives for AT Compatibility
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 11

Right
720K Drives for PS/2 Compatibility
The 3 1/2 inch Junior Drive System is the drive of the future. These drives use the same 720K diskettes as IBM's new generation of computer's, the PS/2. If someday you find yourself surrounded by shirt pocket size hard jacket diskettes the 3 1/2 inch Junior Drive System will be worth it's weight in software.

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