

WordStar[®]

Installation Manual

This manual is only for reference.

WordStar is already installed.
If you wish to reinstall WordStar,
refer to "INSTALLATION" in
the SANYO MICROPRO manual.



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Introduction

Installing WordStar is easy. With this manual and the installation program, which you received on your distribution disk, you can install WordStar on almost any terminal and printer in minutes. Also, experienced WordStar users have the additional option of customizing WordStar by using the installation program's advanced features.

To install WordStar, you simply reply to a series of questions presented on your screen. Onscreen directions guide you to each next step, and this manual, organized to correspond with the progression of the program, provides additional information. The installation program helps you to create a WordStar program file tailored to your equipment (your computer, terminal, and printer) and your needs. Proper installation ensures top performance from WordStar.

MANUAL ORGANIZATION

This manual is divided into six chapters with two appendices:

- **Chapter 1, Basic Installation**, contains a brief description of the installation program's structure and basic installation instructions. The simple procedures outlined here are sufficient for most terminals and printers.
- **Chapter 2, Custom Terminal Installation**, and **Chapter 3, Custom Printer Installation**, explain the installation of terminals or printers not included on the menus. You'll find descriptions of each terminal and printer feature used by WordStar. If your equipment is not listed, you'll have to provide the WordStar program with additional information.

- The glossary at the back of the WordStar Reference Manual will help you understand unfamiliar terms.
- Appendix A, "Program Specifications," in the reference manual will answer your questions about hardware and software requirements.
- Your terminal, printer, and computer manuals and your dealer will supply the specific information about your hardware requested by the installation program.

The following symbols are used in this manual:



RETURN KEY



REMEMBER



KEEP IN MIND

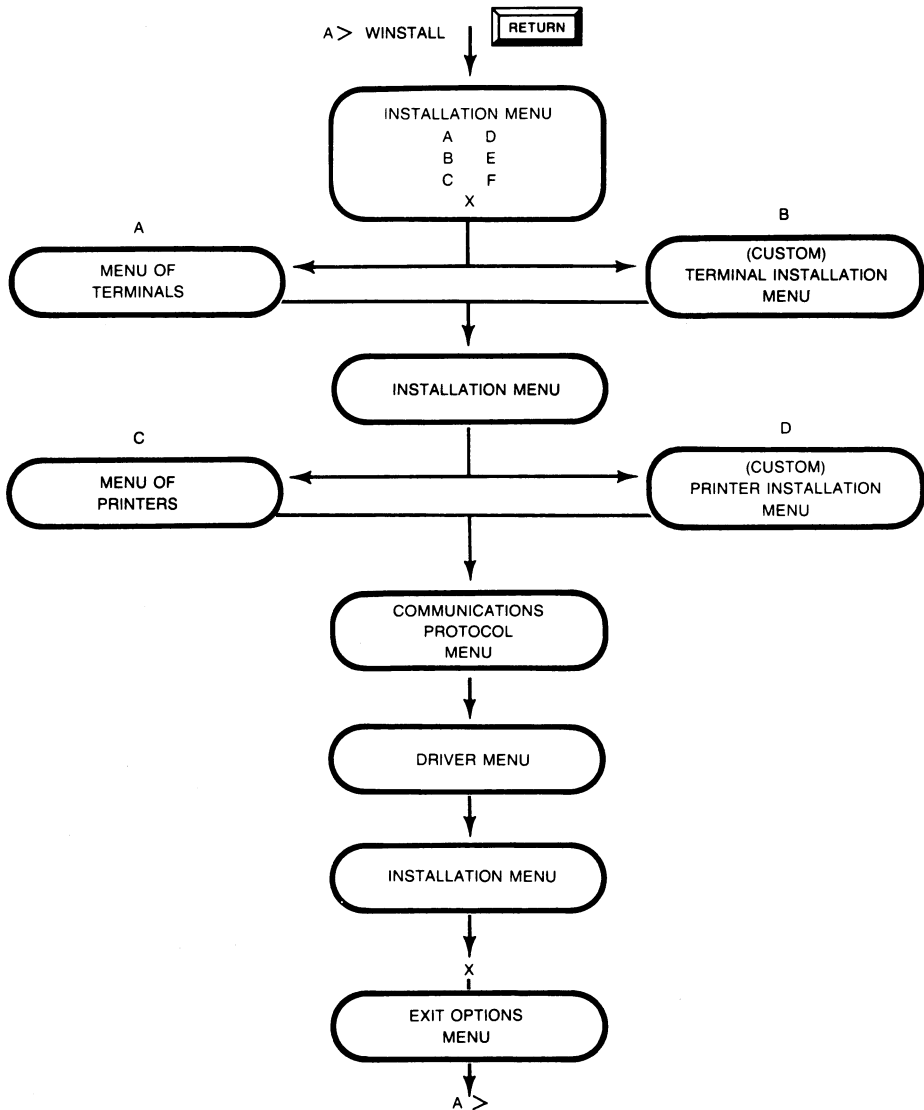


CAUTION

1. Basic Installation

STRUCTURE OF THE PROGRAM

You'll work from a series of menus making selections and responding to prompts. Your path through the program will depend on the type of hardware you are using. The following is a map of the menus you'll see as you install WordStar for the first time:



STEP 3 Place your WordStar Distribution disk in drive A.

STEP 4 Place a formatted disk in drive B.

STEP 5 At your system prompt, type instructions to copy the files from the distribution disk in drive A to the disk in drive B.

You now have a copy of the WordStar Distribution Disk in drive B. If you purchased other MicroPro software for use with WordStar—SpellStar or MailMerge—follow the same steps to copy them as well. Once you have placed the original program disks in a safe place, you're ready to run the installation program.

NOTE: You can create a WordStar system disk, that is, a disk that includes the WordStar program *and* your operating system. This disk will enable you to boot the system and enter WordStar directly. Refer to your system documentation for specific instructions.

INSTALLATION PROCEDURES

Place the copy of the WordStar distribution disk in the logged disk drive and make sure the operating system prompt is on the screen.

STEP 1 TYPE ~~W~~INSTALL 

SEE copyright information

STEP 2 PRESS any key

SEE **Would you like to continue?**

STEP 3  or TYPE Y or N

If some of your WordStar installation files (WSU.COM, for example) are located on another disk drive, enter the disk drive name here. If all files are located on the logged disk drive, press RETURN.

SEE **Name of file to install or
RETURN or WSU.COM**

At this screen, you first provide the name of the file to be installed or modified and then the name for the newly installed file. WSU.COM is the Uninstalled version of WordStar. WS.COM is the installed version you'll use to run WordStar.

STEP 6



SEE **File to install is : WSU.COM**

NOTE: If you are re-installing WordStar you'll find slight differences between the onscreen text and descriptions in the manual. From this point on in the program, simply follow the instructions on the screen, using the manual as a reference; the steps will be the same.

SEE **Enter name of file for installed
WordStar, or RETURN for
WS.COM.**

STEP 7



SEE doublecheck message

STEP 8



or TYPE Y if all information is accurate; otherwise TYPE N. If you type N, you'll return to the information screen.

SEE **INSTALL is copying the file
filename. PLEASE WAIT.**

- **X, Exit from INSTALL.** This option lets you review your selections, make more changes if you like, and then return to the operating system. Only when you choose **X** are changes made to the installed WordStar file.

MULTI-USER SYSTEMS

If your operating system is MP/M, take step 9; if not, bypass this step:

STEP 9 TYPE F

SEE Is this to be installed on an
MP/M system?
Currently . . .NO (it is not).

TYPE C

SEE NOW . . .YES (it is).



Choose this option only if your system is multi-user.
The default setting is single-user.

SELECTING A TERMINAL

Your CRT must have a display area of at least 16 lines by 64 columns. The maximum display area depends on the amount of RAM available in your computer. The upper limit is about 57 lines by 120 columns.

WordStar can use the following features to enhance the performance of your terminal:

- Erase to end of line
- Line insert
- Line delete
- Either inverse video or bright/dim highlighting

STEP 14 TYPE C

SEE **Printer is currently : no printer yet selected**

SEE **STANDARD PRINTER TYPES**

SELECTING A PRINTER

WordStar works with most printers on the market and can be installed to use most printer features, though some require special procedures (see Chapter 4 of this manual).

If your printer is capable of backspacing or carriage returns without line feed, you can use the following WordStar printing features:

- underlining
- boldface (multi-strike method)
- doublestriking
- overstriking

If you have a specialty printer, that is, a printer capable of incremental motion, you can use these WordStar printing features:

- microspace justification
- variable line height
- variable character pitch
- subscripts
- superscripts
- boldface (offset and restrrike method)

The Standard Printer Types menus list several printers. Almost any printer can be installed by selecting **Standard printer**. If your printer can also backspace, select **Backspacing standard printer**. However, if you have a daisy-wheel or other specialty printer and you want to use all the print features available with WordStar, you must select your exact printer name from this menu.



Check the glossary in the WordStar Reference Manual to better understand unfamiliar terms.

SETTING THE PROTOCOL

At the Communications Protocol Menu, you'll tell WordStar how to communicate with your printer. If you are unfamiliar with protocols, turn to Chapter 4, "Protocols and Drivers." You'll find an easy-to-understand explanation and more detailed instructions about how to set the communication protocol if one is required for your printer. Also, consult your printer manual to establish what protocol, if any, you need.

STEP 17 TYPE **A, B, C,** or 

SEE **Communications protocol is now :**
your selection

STEP 18  or TYPE **Y** or **N**

Depending on your protocol choice, you will or will not be required to give more information. If further information *is* required, see Chapter 4.

SEE **Driver is currently : No driver
yet selected**

SEE **DRIVER MENU**

SETTING THE DRIVER

At the Driver Menu, you'll tell WordStar how to handle the communication between your computer and your printer. Again, refer to Chapter 4 of this manual and to your printer and computer manuals for the necessary information.

STEP 19 TYPE **A, B, C,** or **RETURN**

SEE **Driver is now :** your selection

SEE further information

2. Custom Terminal Installation

Custom Installation of Terminals is selection **B** on the Installation Menu. If you have already checked selection **A, Menu of Terminals**, and have not found the name of your terminal listed, you'll need to do a custom installation to give WordStar information about the codes your terminal sends and receives. This information should be available in your terminal manual.

Check with your dealer before you begin a custom installation. If your terminal is similar to one listed on the Menu, you may be able to select that terminal for your installation.

WHAT YOU'LL NEED TO KNOW

Before you begin your terminal installation, it's a good idea to gather the information you'll need. Each item is listed in the "Features" section of this chapter. Using your terminal and computer manuals, locate the necessary information and write it down for reference in the space provided.

If this is the first installation of your terminal,

SEE **INSTALLATION MENU**

TYPE **B**

SEE **TERMINAL INSTALLATION
MENU**

TYPE **A**

SEE **Automatic installation of all
features**

If you have already installed WordStar and you are returning to the program to modify a particular feature, select only that feature from the menu.

A value typed in ASCII may include the control key. For example, if you press the control key and **A** together, **^A** will be entered as a single value. To enter a series of characters, such as **^Q^Q^C**, type **^Q RETURN ^Q RETURN ^C RETURN**.

FEATURES



Name: _____

TERMINAL NAME

Select **B** to give WordStar a name for your terminal. Although your response doesn't affect the program, it does affect all messages that give the name of the terminal for which WordStar is installed.



Lines: _____

Columns: _____

SCREEN SIZE

Select **C** to provide the number of horizontal lines and vertical columns available on your terminal screen. (Defaults: *24 lines, 80 columns*)



Code: _____

Code: _____

Code: _____

Code: _____

Code: _____

Code: _____

CURSOR POSITIONING

To enable WordStar to position the cursor accurately on the screen, you must supply the following (if required by your terminal):

- The character, or characters, that indicate the cursor is about to be moved
- The characters sent between the coordinates of the move
- The characters sent following a move
- The characters representing line 1 and column 1
- The code type representing line and column numbers: ASCII or BINARY
- The order in which the column number and line number are sent



Code: _____

INSERT LINE

Select **J** to provide the code sequence for the insert line feature. This feature places a blank line at the cursor line and pushes the text down one line on the screen. Check your terminal manual; if your terminal inserts the blank line *below* the cursor, you'll have to precede the insertion code with a code sequence to move the cursor up a line. If the insert line feature is not available on your terminal, WordStar will use another method to perform the function.



Code: _____

HANDLING OF LAST CHARACTER ON SCREEN

Select **K** and type **Y** at the prompt if your terminal scrolls up a line when it encounters a character at the bottom right of the screen. If your terminal doesn't use this convention, type **N**, and WordStar will use another method to cause the scrolling.

3. Custom Printer Installation

Custom Installation of Printers is selection **D** on the Installation Menu. If you have already checked selection **C**, **Menu of Printers**, and have not found your printer on the list, you'll need to perform a custom installation to take advantage of all the capabilities of your printer. WordStar needs specific information, which you'll find in your printer manual. If you need more help, ask your dealer.

You'll be installing either a standard or specialty printer. Be sure your printer has all the capabilities outlined in Chapter 1 before you install it as a specialty printer.

WHAT YOU'LL NEED TO KNOW

Before you begin your printer installation, it's a good idea to gather the information you'll need. Each item is listed in the "Features" section of this chapter. Using your printer and computer manuals, locate the necessary information and write it down for reference in the space provided.

PRINTER SWITCHES

Some printers have switches that must be properly set for WordStar to control printing operations. The switches may be located on an external control panel, on a control panel under the printer cover, or on internal circuit boards. If your printer has any of the following options switches, they should be set as recommended:

- **AUTO CR** (CR = carriage return)
Turn this switch off.
- **AUTO LF** (LF = line feed)
Turn this switch off.
- **FORM LENGTH**
If you are using WordStar's **Use form feeds** print option, set this switch to match the length of the paper you are using.

CHANGING A VALUE

To change some values, you must enter information in one of three formats — decimal, hexadecimal, or ASCII. (See the ASCII Conversion Chart in Appendix A.) When you type C to change a value, you'll see a screen describing how to enter a value. You'll also see instructions about how to leave a value as is and how to end the sequence. At the bottom of the screen is a statement telling you the maximum number of entries that can be stored at that feature. Here is the screen:

You can enter a value in ASCII, decimal, or hexadecimal codes.
Precede each entry with these prefixes:

ASCII	:	(: ^A enters ASCII ^A, a single value)
Hexadecimal	.	(.41 enters hexadecimal 41)
Decimal	#	(#61 enters decimal 61)

To enter a sequence of characters, enter each one separately,
followed by <RETURN>.

Press <RETURN> to leave a value unchanged.

Enter a period (.) and press <RETURN> to terminate a sequence
and to eliminate all subsequent values.

These special characters require hexadecimal input:

<RETURN> (^M)	,OD
Period (.)	,2E
^H (backspace: ^H)	,08

Maximum entries for this function is 6.

Current Value New Value

A value typed in ASCII may include the control key. For example, if you press the control key and A together, ^A will be entered as a single value. To enter a series of characters, such as ^Q^Q^C, type ^Q RETURN ^Q RETURN ^C RETURN.



Code: _____

OVERPRINTING

Select **E** to tell WordStar how your printer backspaces. If you are installing a backspacing printer, you'll also have to know the code that tells the printer to backspace.



Code: _____

BOLDFACING

Select **F** to specify how dark your boldfaced print will be. The default value is 2, the recommended value for specialty printers.



Protocol: _____

PROTOCOL MENU

Select **G** to set any required protocol. Refer to Chapter 4 in this manual for detailed information about communications protocols.



Driver: _____

DRIVER MENU

Select **H** to specify a printer driver. Refer to Chapter 4 in this manual for detailed information about printer drivers.

Specialty Printers Only

Install all of the following features on specialty printers to take advantage of WordStar's print features:



Code: _____

RIBBON SELECTION

Select **I** to supply alternate and standard ribbon-selection code sequences if your printer is capable of two-color printing.

Code: _____

Code: _____



Forward

Code: _____

Backward

Code: _____



Code: _____

Code: _____

- The code sequence for a space forward.
- The code sequence for a backspace.

PRINT MODES

Select **L** to enter the codes for both forward and backward printing.

PHANTOM CHARACTERS

Select **M** if your print head contains two characters, nicknamed phantom space and phantom rubout, that are not represented on your keyboard. You can set two WordStar commands to represent these characters in your printed text. Check your print head for the characters and your printer manual for the code sequence representing each.

Standard Printers Only



LF Code: _____

1/2 LF Code: _____

No LF Code: _____

RETURN/LINE FEED

Select **N** to tell WordStar whether your printer is capable of carriage returns with line feeds, with half-line feeds, or without line feeds. If your printer is capable of one or more of these returns, most WordStar features such as overstriking, overprinting, and underscoring will function. You'll need to supply the function code sequences for each of your printer's carriage returns.



Standard

Code: _____

Alternate

Code: _____

CHARACTER PITCH

Select **Q** if your printer is capable of altering the pitch (width between characters) of your printed text. You'll need to enter the function code sequences for standard character width and alternate character width.



EXIT

Type **X** to return to the Installation Menu.

4. Protocols And Drivers

This chapter presents general information about protocols and drivers and then explains the options on both menus.

COMMUNICATIONS PROTOCOLS

A communications protocol is a system of codes that enables your printer and computer to talk to one another. If WordStar were to send 200 words per second from computer to printer, your printer, like a person taking dictation, would need a way of saying "Hold it! I can't transfer characters to paper that fast."

PRINTER BUFFER

Most printers have a good memory called the printer buffer. When receiving new information, your printer can use this buffer as storage space while printing information received earlier.



The size of this buffer is important. A buffer that holds only 500 words can become filled in seconds if WordStar is dictating 200 words per second. Any characters sent after the buffer is full will be lost.

Communications protocols require that the computer and printer *exchange* information or signals. The computer must be able to send information to the printer for printing, and the printer must be able to send signals back when it's ready to receive more information.

SOFTWARE PROTOCOL

If a hardware protocol is unavailable, a software protocol—sometimes called “handshaking”—can be installed. Most printers are capable of using either the ETX/ACK protocol or the X-ON/X-OFF protocol. Many printers allow you to choose between the two.



Although the X-ON/X/OFF variety is generally preferred, consult your dealer or hardware manual to determine which software protocol is best to use with your printer. The WordStar program itself will handle either kind of software protocol.

Communications Protocol Menu

The Communications Protocol Menu appears after you choose **C** at the Installation Menu and then select the letter corresponding to the name of your printer (**A** - **L**) from the list of Standard Printer Types. If you are performing a custom printer installation, however, the Protocol Menu appears after you choose **D** at the Installation Menu and then **G** at the Printer Installation Menu.



NONE REQUIRED

Select **A** if your printer does not need a protocol or if the protocol is handled by the hardware. (See the previous section on hardware protocol.)



ETX/ACK PROTOCOL

Select **B** if your printer uses ETX/ACK protocol. WordStar will place a special character at the end of each information “message” it sends to the printer. This special character is known as an ETX (an acronym for **E**nd of **T**e**X**t) code and is represented by a value of 03. Once the printer has printed everything in the message up to the ETX code (a line, for example), it sends an ACK code (**A**CKnowledge) back to the computer. The ACK code (represented by a value of 06) tells the computer that the printer is ready to receive the next information message.



X-ON/X-OFF PROTOCOL

Select **C** for the X-ON/X-OFF protocol. When the printer is ready to receive an information message, it sends an X-ON code (transmit ON) to the computer. The X-ON code is represented by the ASCII code DC1 (which translates to a hexadecimal value 11). When it receives an information message, the printer sends an X-OFF (transmit OFF, ASCII code DC3, hexadecimal value 13) to the computer, telling it not to send any more messages before receiving the next X-ON code. This protocol is sometimes known as DC1/DC3.



X-ON/X-OFF protocol is the usual selection if you have a serial specialty printer interfaced at any rate over 300 baud. Most, but not all printers support this kind of protocol.



The ETX/ACK and X-ON/X-OFF protocols require that the computer and printer be able to *exchange* (i.e., transmit and receive) information. You must, therefore, select a printer driver which allows information to be *received from* as well as *transmitted to* the printer.

PRINTER DRIVERS

The printer driver is a program that works with the protocol to make sure that the printer and computer communicate properly. The driver tells them where to do the talking and where to do the listening. Without this information, your computer and printer couldn't "converse." They would be like people trying to carry on a phone conversation with one party speaking into the earpiece and the other listening at the mouthpiece—information could not pass between them.

OPERATING SYSTEM SECONDARY LIST DEVICE



Select **B** if the primary list device in your operating system is assigned to a task other than printing your WordStar files. In some operating systems, a secondary list device is available.



The list device is usually not capable of exchanging information with the printer. That is, the list device will send information to the printer but will not listen for signals coming back. If you are using a software protocol (either ETX/ACK or X-ON/X-OFF), some adjustment will have to be made to your operating system. Ask your dealer for help with your particular system.

WORDSTAR'S PORT DRIVER



Select **C** to use WordStar's built-in Port Driver. This driver bypasses the operating system and exchanges information with the printer directly. If you use this driver, you will not have to adjust your operating system for two-way communication between computer and printer.

WordStar's port driver is recommended for use with a software protocol because the driver contains a test to check when the printer is busy. But to use this driver, you will need information about your computer's printer ports and the status bits at those ports.

Ports are logical places where your operating system can "plug in" to other devices. A port is not the actual plug or connector itself but has a very definite location and assigned number. Information (bits or bytes) is sent through a port on its way to another device (in this case, your printer). At the **status port** WordStar monitors the condition of the printer, that is, checks to see whether it's ready for more information.

After you have entered this hexadecimal value, you'll be asked for the hexadecimal value of the bits that change from off to on (from 0 to 1) when the printer is ready to accept more characters for printing. For example, if only the one bit changes, enter 2. If only the number 5 bit changes, enter 20. If both bits change, enter 22, just as you did before.



If you have chosen **no protocol**, the questions stop here. But if you are using a communications protocol, you'll be asked another series of questions similar to those just described—this time, about *input* ports and *input* status ports.

The input status port and status bits are used by WordStar to determine whether or not a character has been received by the printer. The number of the input data port is frequently, though not always, the same as that of the output data port. You will specify the input data port, input status port, and status bits in the same manner as you specified the output ports and bits.

5. Wordstar Features

Once you're familiar with WordStar, you may want to change the way some features operate. With the installation program, you can customize the initial setting of 19 WordStar features. Your new settings become WordStar defaults. These defaults, in turn, can be altered during an editing session with a WordStar command. For example, the preset help level is 3. If you use Option A to change the level to 0, menus will not appear when you begin writing or editing, and you'll have a larger work area. Later, if you need to see a menu, you can temporarily reset the help level.

You may want to keep more than one version of WordStar (each with a different filename) on your disks. For example, a file called WS1.COM could begin WordStar in document mode and another called WS2.COM could begin the program in non-document mode. Different versions would be tailored to different tasks.



Be sure to complete the WordStar Training Guide before you change any feature settings. The guide was designed for use with standard settings, and you could easily become confused if you tried to complete exercises using a customized version of WordStar.

From the Installation Menu,

TYPE E

SEE **MENU OF WORDSTAR
FEATURES**



INITIAL INSERTION TOGGLE

Select **E** to specify the initial setting for the insertion toggle switch. With insertion off, characters will type over previously typed text, rather than move text right. (Default: *on*)



JUSTIFICATION TOGGLE

Select **F** to specify the initial setting for the justification toggle switch. With justification off, your text will have an uneven right margin. (Default: *on*)



HYPHEN HELP TOGGLE

Select **G** to specify the initial setting for the hyphen help toggle switch. With hyphen help off, WordStar will not hyphenate words during paragraph re-forming but will simply move words extending beyond the margin to the next line. (Default: *on*)



OMIT-PAGE-NUMBERING

Select **H** to specify the initial setting of the omit-page-numbering toggle switch. If the toggle switch is off, the pages will be numbered during printing. (Default: *off*)



TOP MARGIN

Select **I** to specify the number of lines to be left blank at the top of the printed page. (Default: *3*)



BOTTOM MARGIN

Select **J** to specify the number of lines to be left blank at the bottom of the page. (Default: *8*)



DATA FIELD SEPARATOR

Select **P** to specify the character to be used to separate fields in a datafile. You can choose any character. This feature applies only to the MailMerge option of WordStar. (Default: *comma [,]*)



VARIABLE NAME SYMBOL

Select **Q** to specify the characters to be used before and after variable names inserted into a file being merged. You can choose any character. This feature applies only to the MailMerge option of WordStar. (Default: *ampersand [&]*)



SYSTEM DISK DRIVE

Select **R** to specify the disk drive where your .OVR files are stored. WordStar looks first for the files on your currently logged drive, which is the drive indicated by your operating system when you start a program. If your files are not found there, WordStar looks for them on the system drive.



EXIT

Type **X** to return to the Installation Menu.

6. Testing Installation

This chapter contains a few, simple tests that will help you determine if your terminal and printer are correctly installed to work with WordStar.

CHECK WORDSTAR'S OPENING SCREEN

To test your installation, start WordStar running on your computer. At the system prompt,

TYPE **WS** 

SEE Program version and serial number, copyright information, and the terminal, printer, communications protocol, and printer driver selections you made during installation

The display will remain on your screen for a few seconds (or until you press any key). Then you will see the WordStar Opening Menu.

CHECK CURSOR POSITIONING

The cursor should be positioned at the lower right of the Opening Menu. If lines run together on your screen and punctuation appears at random, the cursor positioning function codes are incorrect for your terminal. Check your terminal manual and the settings of all option switches on the terminal. Re-install WordStar or correct your terminal settings.

TEST THE ERASE FUNCTION

With the Opening Menu on the screen, open a document file:

TYPE **D**

SEE **Name of file to edit?**

**END THE
TESTS**

After the file finishes printing, the Opening Menu will return to the screen. Return to your operating system:

TYPE X

SEE your operating system prompt

You can now be assured that WordStar is ready to go to work. If you are new to word processing, you should go on to the WordStar Training Guide now. Otherwise, use the WordStar Reference Manual to learn the fine points of the WordStar program. Enjoy!

Appendix A

ASCII Conversion Chart

ASCII	DECIMAL	HEXA DECIMAL	ASCII	DECIMAL	HEXA DECIMAL
!	33	21H	G	71	47H
"	34	22H	H	72	48H
#	35	23H	I	73	49H
\$	36	24H	J	74	4AH
%	37	25H	K	75	4BH
&	38	26H	L	76	4CH
'	39	27H	M	77	4DH
(40	28H	N	78	4EH
)	41	29H	O	79	4FH
*	42	2AH	P	80	50H
+	43	2BH	Q	81	51H
,	44	2CH	R	82	52H
-	45	2DH	S	83	53H
.	46	2EH	T	84	54H
/	47	2FH	U	85	55H
			V	86	56H
0	48	30H	W	87	57H
1	49	31H	X	88	58H
2	50	32H	Y	89	59H
3	51	33H	Z	90	5AH
4	52	34H	[91	5BH
5	53	35H	/	92	5CH
6	54	36H]	92	5CH
7	55	37H	^	94	5EH
8	56	38H	_	95	5FH
9	57	39H	`	96	60H
:	58	3AH	a	97	61H
;	59	3BH	b	98	62H
	60	3CH	c	99	63H
=	61	3DH	d	100	64H
	62	3EH	e	101	65H
?	63	3FH	f	102	66H
	64	40H	g	103	67H
A	65	41H	h	104	68H
B	66	42H	i	105	69H
C	67	43H	j	106	6AH
D	68	44H	k	107	6BH
E	69	45H	l	108	6CH
F	70	46H	m	109	6DH
			n	110	6EH

- continued -



Appendix B

Quick Guide


The steps below summarize the WordStar installation procedure. If you are installing WordStar for the first time, use the manual to help you with each step.

STEP 1 COPY YOUR DISK

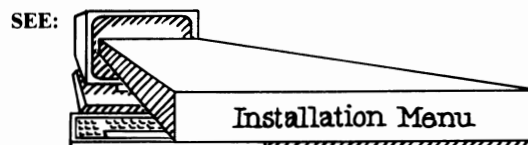
Copy your distribution disk and store the original in a safe place.

STEP 2 BEGIN INSTALLATION PROGRAM

To enter the installation program:

TYPE WINSTALL  and respond to the prompts.

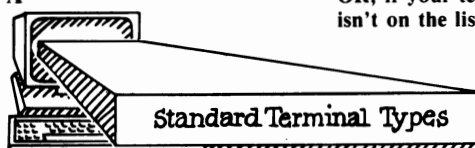
INSTALLATION FOR MULTI-USER



If you are installing under an MP/M operating system: TYPE F and respond to the prompts.

STEP 3 INSTALL YOUR TERMINAL

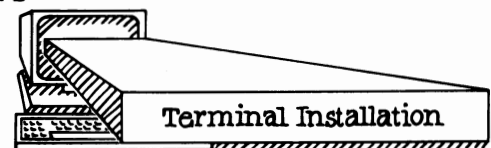
TYPE A
SEE:



TYPE the letter representing your terminal

OR, if your terminal isn't on the list,

TYPE B
SEE:

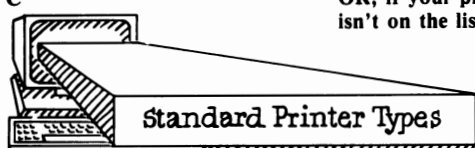


TYPE A or B and respond to the prompts.

STEP 4 INSTALL YOUR PRINTER

SEE: INSTALLATION MENU

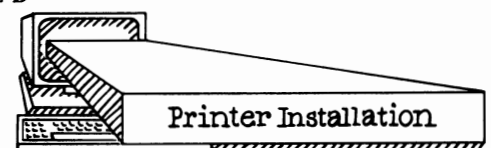
TYPE C
SEE:



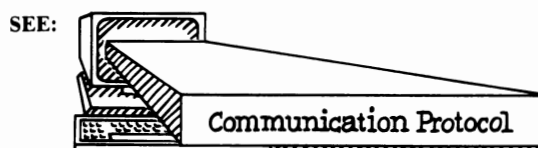
TYPE the letter representing your printer


OR, if your printer isn't on the list,

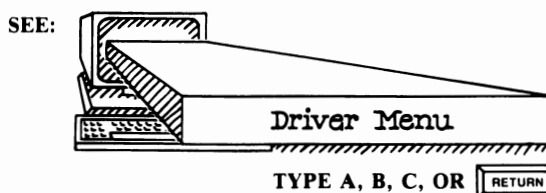
TYPE D
SEE:



TYPE A or B and respond to the prompts



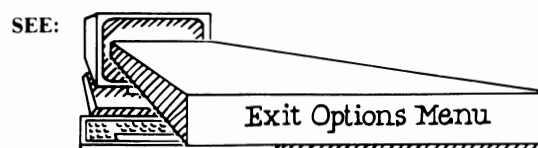
TYPE A, B, C, or 



STEP 5 COMPLETE THE INSTALLATION

SEE INSTALLATION MENU

TYPE X



TYPE A, B, or C

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