

TRM303

MOBILE RECEIVER
HARDWARE MANUAL

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- ◆ Reorient or relocate the receiving antenna.
- ◆ Increase the separation between the equipment and receiver.
- ◆ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◆ Consult the dealer or an experienced radio/TV technician for help.

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It is necessary to use shielded interconnect cables to insure compliance with FCC Class B limits for radio frequency emissions.

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Section 1

Introduction

The TRM303 is a device designed to program data into and retrieve data from the Model 392 Electronic Trip Recorder Unit using special interface software provided with the TRM303 unit.

Program Requirements

Your TRM303 Interface Software requires the following hardware configuration in order to operate properly:

- ◆ IBM PC\XT\AT or compatible
- ◆ Windows95 or higher
- ◆ Windows compatible mouse
- ◆ at least 10 megabytes of available hard disk space
- ◆ An available serial port configured as COM 1 or COM 2

Contacting Technical Support

S&A Systems will provide you with technical support during business hours Monday through Friday. This support is available through the Engineering Department and is required if you receive an error message. Contact S & A Systems, Inc. at **(972)722-1009**.

***Note:** In order for your call to be handled in the most efficient manner, be sure you have the error message number on hand when calling.*

Section 1 *Introduction*

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Section 2

Installation

This Section describes how to connect the TRM303 Mobile Receiver to an IBM compatible computer. It also explains how to install the TRM303 Interface Software.

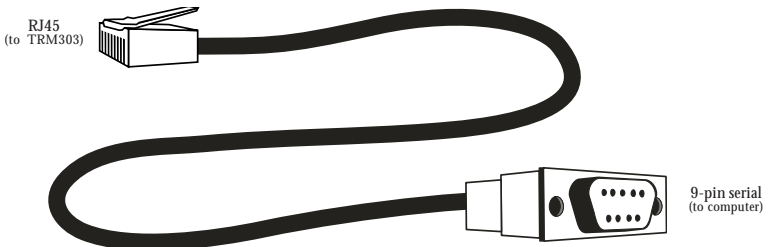
Connecting the TRM303 Hardware

Before you begin please be sure you have an IBM compatible computer meeting the specifications given in Section 1 of this manual. Also be sure that your IBM Compatible Computer has an available 9-pin serial port configured as COM 1 or COM 2. This is the port into which the TRM303 cable must be plugged. If the COM port on your computer is a 25-pin type, an adaptor may be used with the TRM303 cable to facilitate the connection.

Note: The port must be configured as COM1 or COM2 for this software.

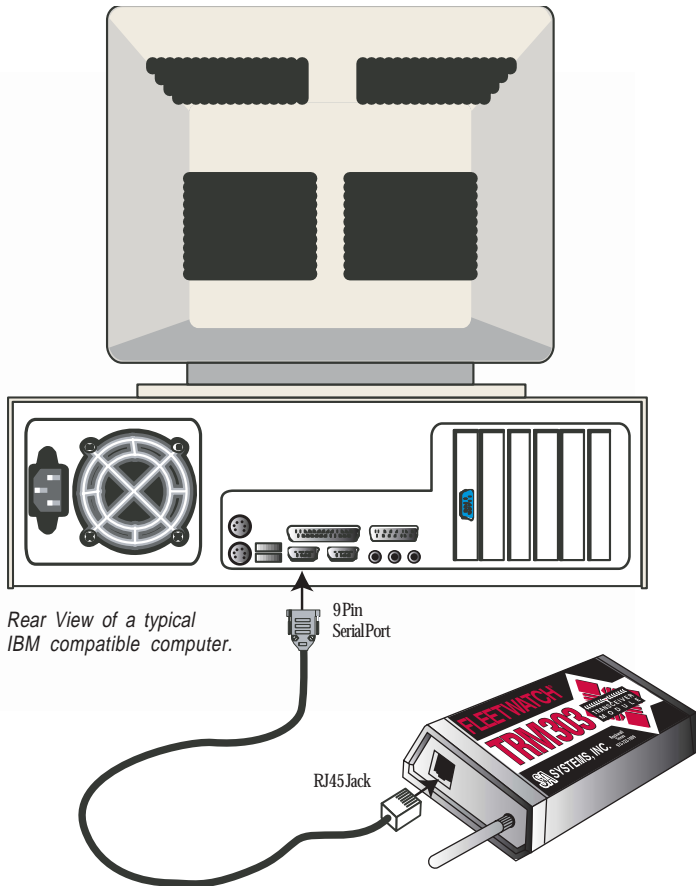
Find the six foot cable provided with your TRM303 reader. Locate a 9-pin serial port on the back of your PC.

Note: This is a double-shielded cable and complies with all FCC rules and regulations. It is not recommended that extension cables be used as this would not be in compliance with the FCC.



Section 2 *Installation*

Plug the rectangular end of the cable into this port. Take care not to force the plug into the socket. Make sure the plug and socket orientation are the same. Next, carefully insert the RJ45 plug at the other end of the cable into the Model TRM303 Reader. This plug must also be lined up correctly in order for insertion to take place.



Connecting the TRM303 to the computer

- ◆ Connect the 9-pin serial plug to COM 1 or COM 2 serial port
- ◆ Insert the RJ45 plug into the corresponding jack on the TRM303

Installing the TRM303 Interface Software

The TRM303 Interface Software requires at least 10 megabytes of available hard disk space in order to install properly. It is suggested that more than this be available to accommodate any data logs retrieved from the TRM303 during use. Note: Use the default directory whenever possible to avoid confusion when running the software or attempting to retrieve previously saved data from the hard disk. If you do not use the default directory, please note the new directory name and keep it available at all times when using the TRM303 Interface Software.

- ◆ Make sure Microsoft Windows version 98 or greater is running on the PC you wish to install the TRM303 Interface software to.
- ◆ Insert the TRM303 Interface Software diskette into the computer's floppy disk drive.

Note: if the TRM303 installation diskette is not compatible with any of your available floppy drives please contact S & A Systems, to receive the proper disk format.)

- ◆ From the Windows Program Manager Select "File" from the main menu bar.
- ◆ Select "Run" from the File Menu.
- ◆ In the Command Line box type "A:\SETUP" and click OK or press RETURN.

Note: "A:" is the letter of the floppy drive the TRM303 Interface Software Installation Disk #1 is placed in. Substitute the proper drive letter for your PC.

- ◆ Follow the directions on the screen to a successful installation of the TRM303 software.

Note: If the installation successful prompt is not received, make sure the hardware and software requirements are met and attempt installation again. If the software does not install properly please refer to the trouble shooting section of this manual (Section 5).

Specifying the program directory

- ◆ Once the installation program begins it will ask you to enter the directory where the TRM303 Interface Software files will be copied. The default directory is strongly recommended but you may enter the location of your choice. (Figure 2-1)

Section 2 *Installation*



Figure 2-1

The program will then begin copying the TRM303 Interface Software files to the specified directory. During the installation the program will prompt you to insert TRM303 Interface Software Installaiton Disk #2 (Figure 2-2). Once you have placed the disk in the appropriate floppy drive click OK to continue installation.



Figure 2-2

Once all the TRM303 Interface Software files have been successfully copied to the specified directory the program will notify you that the installation is complete (Figure 2-3).



Figure 2-3

Click OK to continue. The TRM303 Interface Software Installation Program will then create a Program Manger Group titled TRM303 and place the icon for the TRM303 Interface Software in it (Figure 2-4). To Run the TRM303 Interface Software double-click on the TRM303 icon.



Figure 2-4

***Note:** If you do not receive this notification or receive an error message please check all of the hardware and software requirements again. If all requirements are met then try installing the software again paying close attention to the installation insructions. If the software will still not install the diskettes may have been damaged in shipping. Please report this problem to S&A Systems. (See: Contacting Technical Support:Section 1)*

Section 3 *Using the TRM303 Mobile Receiver*

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Section 3

Using the TRM303 Mobile Receiver

Changing Battery

To install or change the battery on the TRM303 Mobile receiver: locate the battery compartment on the right of the TRM303 (the end opposite the antenna). Carefully remove the battery compartment cover and remove the battery. The battery may then be replaced with a standard 9 volt battery available at any local battery retailer. Snap the new battery into the battery clip and place the battery into the compartment. Be careful not to pull or pinch the wires connecting the battery clip to the TRM303. Slide the battery cover back into place, and snap closed again being careful not to pinch the battery wires.

Setting the time and date

The time and date should be set prior to using the TRM303. Setting the time and date is essential to ensuring accurate organization of the data read by the TRM303. To set the time and date of the TRM303 use the setting the time and date of TRM303 command under Clock Options of the TRM303 Interface Software.

Section 3 *Using the TRM303 Mobile Receiver*

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