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Reference Manual

# WTerm<sup>TM</sup>



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## Addresses

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# WTerm

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## WTerm Overview

WTerm is a Windows-based user interface for Wescor's ROM-DOS based platform of products; in particular, for the products without a QWERTY keyboard and/or display such as the OBC600, Route Tracker, Tracker GPS, CommTracker, and Mobile R<sub>x</sub>600. WTerm runs under Win16 (Windows 3.1) or Win32 (Windows 95, 98, 2000, XP or ME). RCONSOLE.SYS and SERVER.EXE are DOS-based utilities that set the RDT product as a Remote Console or "Server." RDT, in this manual, is a general term that refers to Wescor's ROM-DOS based product line, in particular the RDT800 Series, Mobile R<sub>x</sub>600, OBC600, Route Tracker, Tracker GPS and CommTracker. Together, WTerm on the Host computer and RCONSOLE.SYS and SERVER.EXE on the RDT provide an easy to use interface in establishing a communications link and in allowing the Host computer to act as a console (keyboard and/or display) for the RDT.

WTerm does not replace user specific serial communication software, but is an interface tool used to become familiar with the products, and for applications where the interface is manual instead of automated. Specific communication applications can be developed using other communication packages or development languages such as C++.

WTerm allows the Host computer to communicate with the RDT. Files can be transferred back and forth between the Host computer and the RDT. Many housekeeping tasks can be performed including: copying files, deleting files and directories, formatting the disk drive, and creating new directories.

The RDT Series of products are ROM-DOS based, therefore WTerm is structured to accommodate the DOS file structure. For example, the maximum length for file names is 8 characters plus a 3-character extension. File names longer than 8 characters are shortened utilizing the ~ character. For example, the folder "MYDOCUMENTS" is abbreviated to "MYDOCU~1". (Truncated at the sixth character and concatenated with ~n, where "n" is the count of files with the same prefix.)

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# Getting Started

## Installation

Currently, an automated installation process is not included with the WTerm utility program. Installation must be done manually. Refer to the README file on the utility disk for any updated changes to the manual.

The first step is to install the WTerm application on the Host computer. It is assumed that the user has a basic understanding of Windows (3.1, 95, 98, 2000, XP or ME) and knows how to perform basic tasks such as creating directories, copying files, etc. The installation also assumes that the user is familiar with the Windows File Manager or Explorer or has a similar type of work environment for copying files. Installation is accomplished in two basic steps.

### *Installing WTerm*

1. Make a folder or directory on the Host computer's hard disk where the WTerm application files are to be copied. For example, create a folder called "WTerm."
2. Insert the utility disk into the drive of the Host computer. (Typically the utility disk is a CD.)
3. Copy the contents of the utility disk \WTerm folder to the folder that was just created on the Host computer, (\WTerm in the example).

### *Setting Up an Application (Windows 95 or greater)*

Once the files have been copied to the Host computer's hard drive, there are a number of methods that can be used to execute the program. The following are two methods that could be used:

1. From the Host's desktop using Run:
  - Click on the Start button.
  - Click on Run.
  - Click on Browse. Locate the application program WTerm.exe.
  - Double click on WTerm.exe to select it. Click on OK to run the program.

2. Creating a Shortcut:

The following is one method for creating a Shortcut to the application:

- Use Explorer to find the application WTerm.exe.
- Right click on the application WTerm.exe, a pop-up menu appears.
- Click on Create Shortcut to create a Shortcut for WTerm.
- Click on the Shortcut just created and, keeping the left mouse button held down, drag and drop the Shortcut to your desktop.
- From the desktop, double click on the Shortcut.



## Establishing a Serial Link Between Host and RDT

After the software has been installed, the next step is to physically connect the Host to the RDT and establish a communications link.

1. Connect one end of a null modem cable to the Host computer. Make note of which serial communications port is being used (i.e. COM1, COM2, COM3, or COM4).
2. Connect the other end of the null modem cable to the RDT. Make note of which serial communications port is being used. The COM port on the RDT varies depending upon the model, usually COM1 or COM2.
3. Power On the RDT and place it in Remote Console mode. (The method for placing the RDT in Remote Console mode varies from model to model. Refer to the Appendix for additional information.)
4. Execute the application program WTerm from the Host computer.

## Copying Files from the Host to the RDT

After the communication link has been established between the Host and RDT, files are easily copied by performing the following steps:

There are two methods that can be used for copying files from the Host computer to the RDT.

### 1. Drag and Drop Method

Those familiar with Windows typically find that the easiest method is to simply drag and drop the files. Using Explorer, find the files that are to be copied to the RDT. Select the desired files and drag and drop them within the WTerm application work area window.

### 2. Menu Method

With WTerm running, from the menu bars, click on File. A drop down menu appears. Click on Send Files. Select the desired files to be copied to the RDT and click OK.

## Copying Files from the RDT to the Host

After the communication link has been established between the Host and RDT, files are easily copied by performing the following steps:

1. On the Host computer, click on File. A drop down menu appears.
2. Click on Change Directory. A pop up window appears where a directory or folder on the Host is selected as the current directory where the files get copied.
3. Select the desired drive and directory or folder and then click on OK.
4. Click on File once again. Click on Retrieve File(s). A pop up window appears.
5. Key in the path (optional) and the file names of the files that are to be retrieved (copied) from the RDT to the Host. Click on OK. As the files are copied, a status window displays the file name that is currently being copied and the % of the file that has been copied.

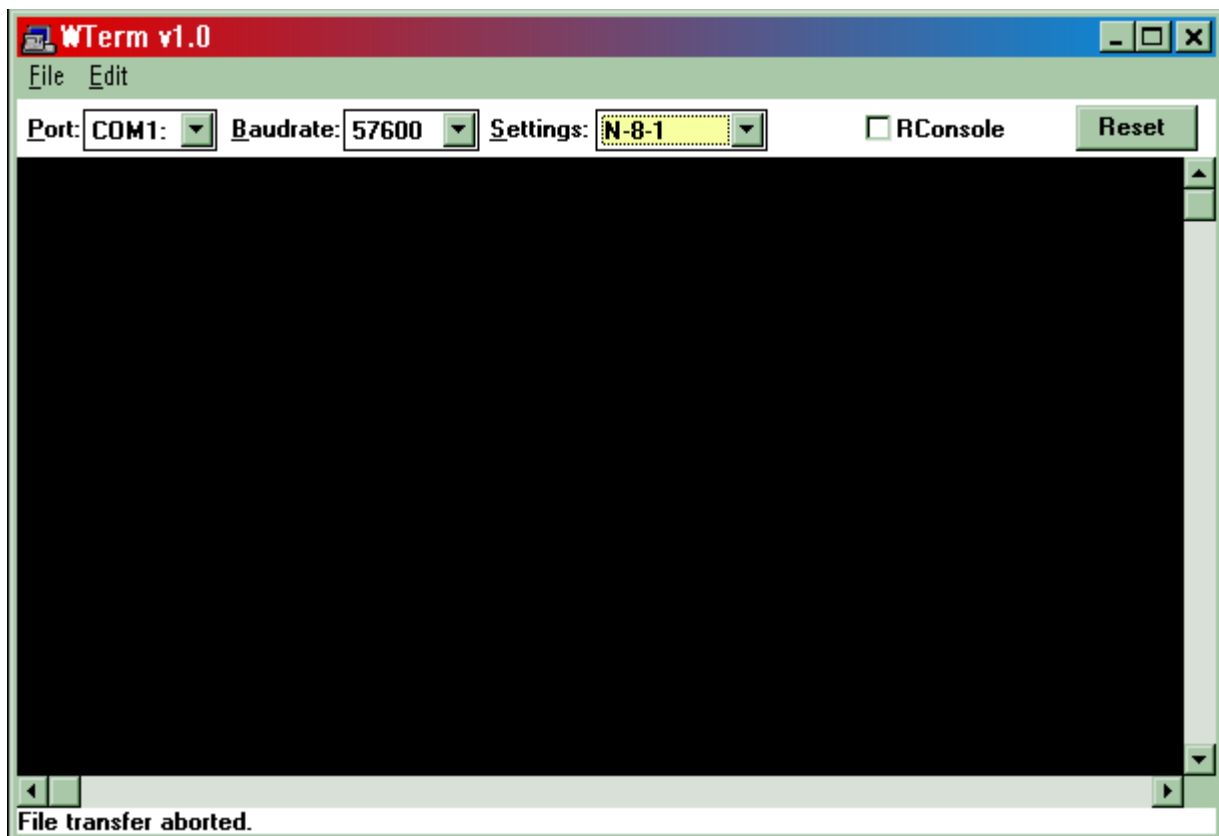
---

## WTerm on the Host

To begin the WTerm application program on the Host, once it has been set up as a shortcut, double click on the WTerm.exe icon. It is assumed that the RDT is powered on and in Remote Console mode and that the RDT is connected to the Host computer with a null modem cable.

It is also assumed that a mouse is used when running the WTerm program from the Host. However, if a mouse is not being used, standard Windows conventions are used to access the various screens and menus of the program. As a quick reminder: The TAB key moves from field to field within the application. If a list is being accessed, the arrow keys move through the list. Items in the list are selected by pressing the “space bar”. Buttons are accessed by using the Hot Key sequence, which is to press and hold down the ALT key while pressing the key of the letter that is underlined for that particular function. For example, to access File, press the ALT key and then press the “F” key.

The following is the startup screen for WTerm:



---

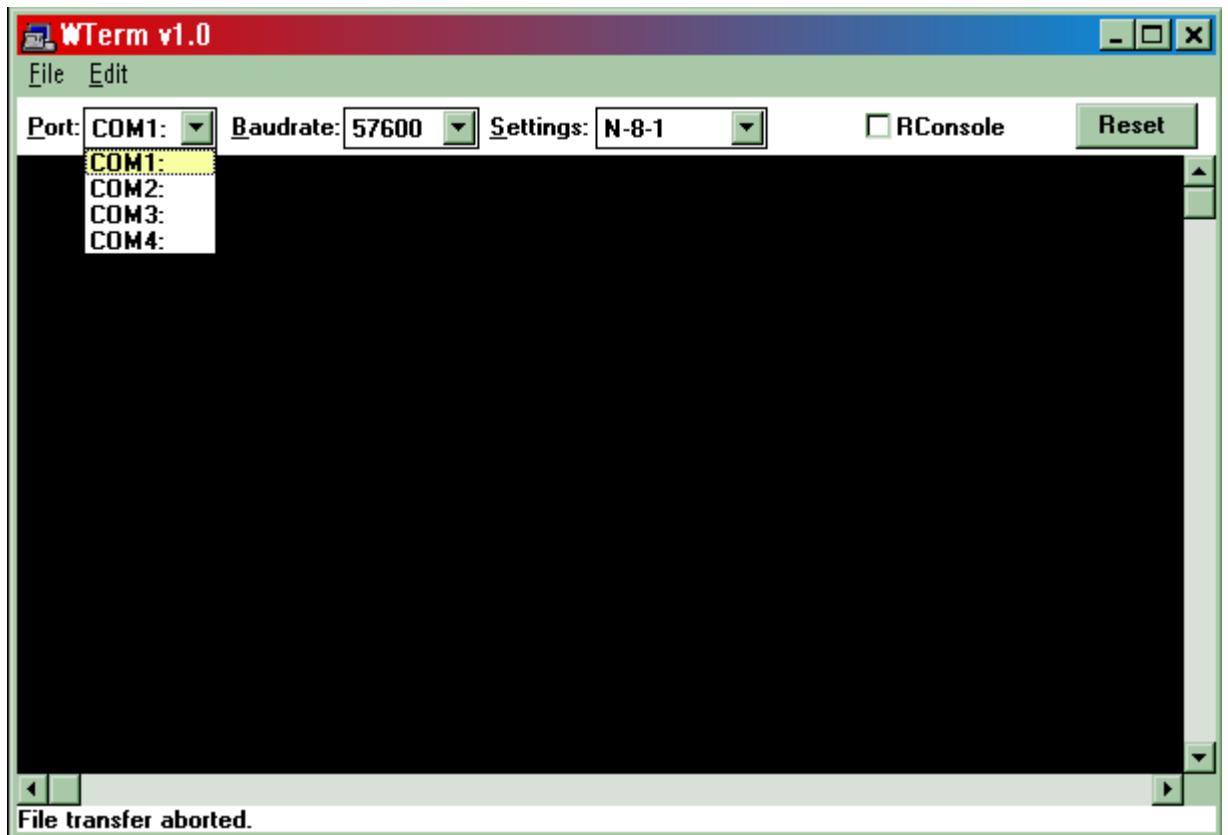
## Tool Bar

The tool bar allows quick access for setting communication parameters.

### Port

Clicking on the Port pick list allows the user to select the desired communication port on the Host. The default serial port is COM1. Valid COM ports include:

- COM1
- COM2
- COM3
- COM4

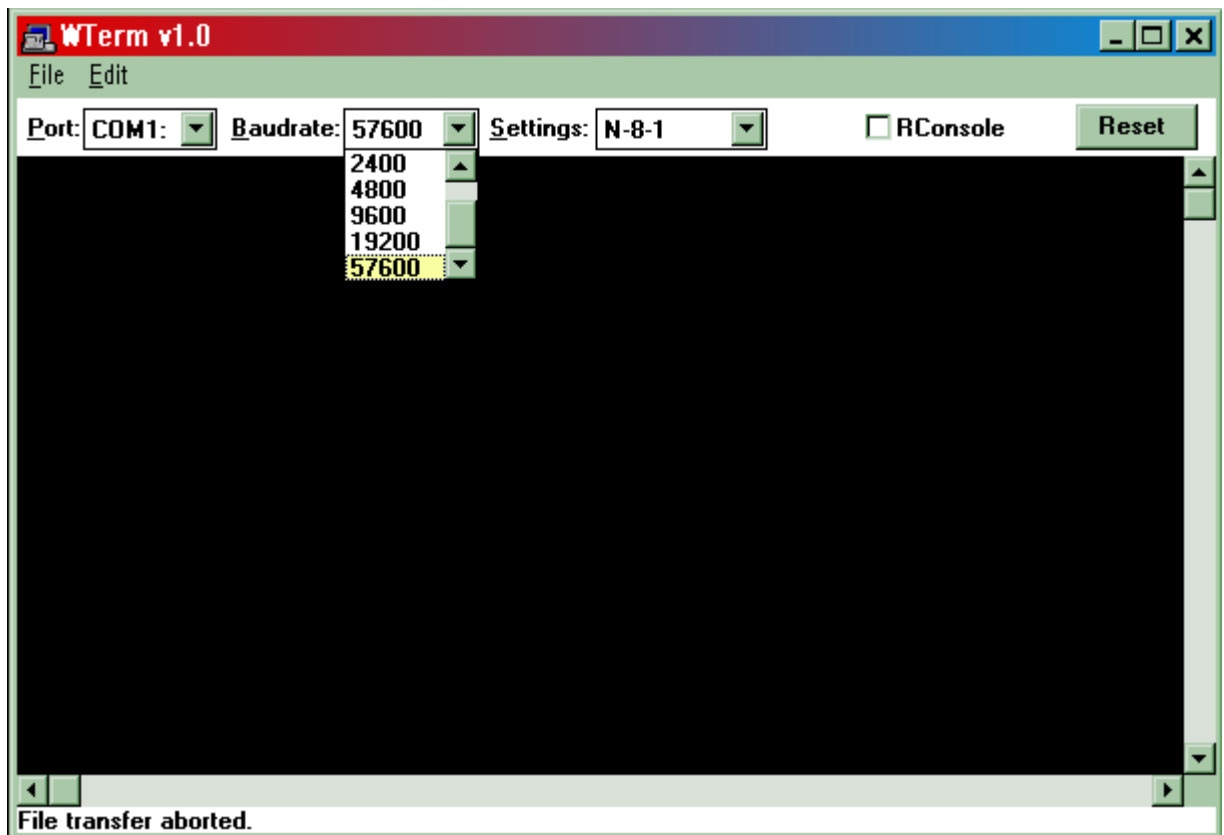


Select the desired port by clicking on it. The current selection is displayed. Make sure that the null modem cable is connected to the selected COM port.

## Baudrate

The default baudrate is 57600. When connecting to Remote Console, always use the default. If other communication packages are used on the RDT, select from one of the following baud rates:

- 300
- 1200
- 2400
- 4800
- 9600
- 19200
- 57600

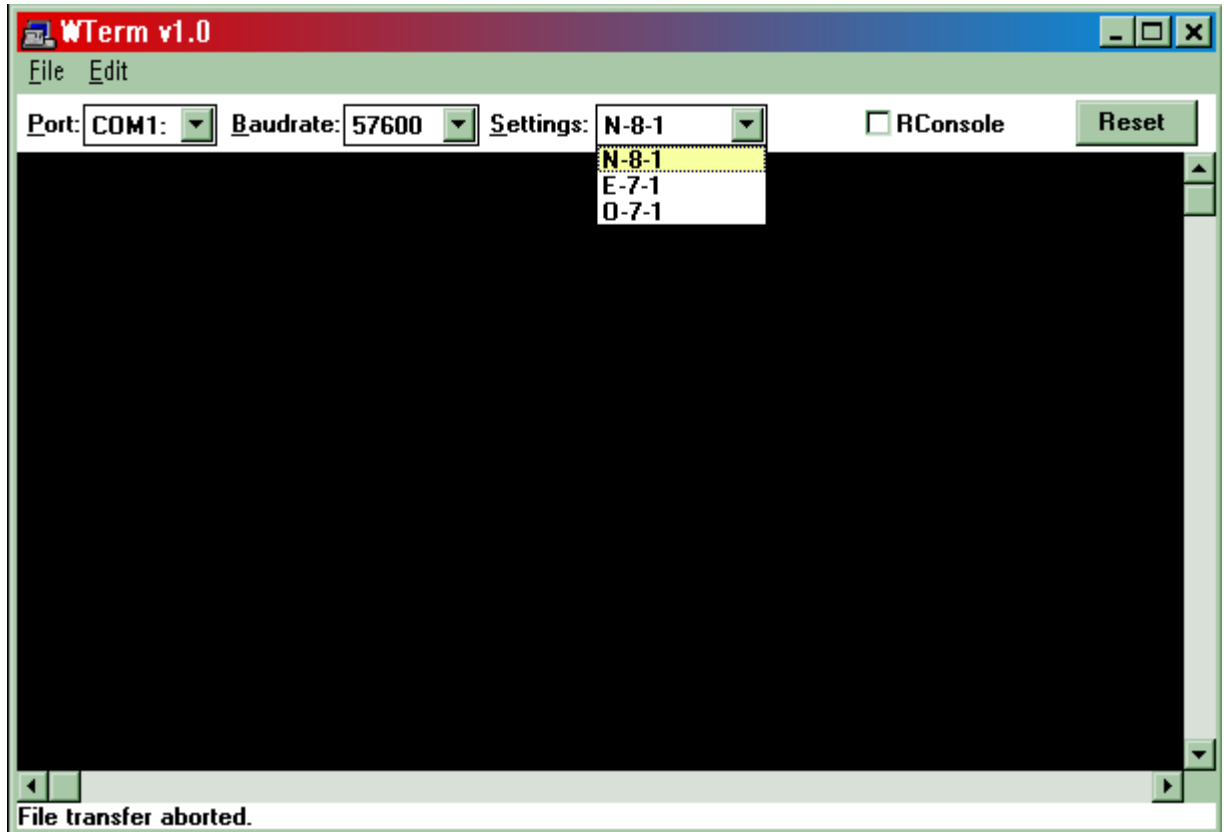


Select the desired baudrate by clicking on it. The current selection is displayed. Make sure that the baudrate on the Host matches the baudrate on the RDT.

## Settings

Settings defines the parity, data bits, and stop bits. The default selection is No parity, 8 data bits, and 1 stop bit (RConsole uses N-8-1). Valid selections include:

- N-8-1      No parity – 8 data bits – 1 stop bit
- E-7-1      Even parity – 7 data bits – 1 stop bit
- O-7-1      Odd parity – 7 data bits – 1 stop bit



## RConsole Check Box

If the RConsole (Remote Console) check box is checked, it gives control to the Host so that all interactions with the RDT are conducted from within WTerm. This feature only works with the Route Tracker, CommTracker, and Mobile R<sub>X</sub>600. For this feature to work, it is also necessary that the Electronic Reset Bridge be connected to the cable going into the Mobile R<sub>X</sub>600 or the utility port of the Route Tracker and CommTracker.

## Reset Button

The Reset button allows the Mobile R<sub>X</sub>600, Route Tracker or CommTracker to be reset via the Host computer if the Electronic Reset Bridge is utilized and the RConsole Check Box is checked. When pressed, this resets the Mobile R<sub>X</sub>600, Route Tracker or CommTracker and automatically puts them in Remote Console mode.

Note: The Electronic Reset Bridge must be used for the functions outlined above. Otherwise, they can be done with the manual version of the Reset Bridge by toggling the switch. See Appendix B for instructions on using the manual Reset Bridge.

---

## Menu Items

There are two menu items, File and Edit, with drop down menus.

### File Menu

The File menu has the following selections that can be made:

Send File(s) . . .

Retrieve File(s) . . .

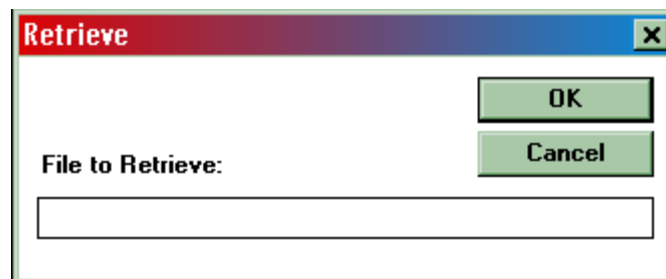
Change Directory . . .

Exit

### *Retrieve Files*

The Retrieve Files menu item allows files to be copied (retrieved) from the RDT to the Host computer. Before retrieving files, the “Change Directory” menu selection is used to select the folder on the Host where the files are to be copied.

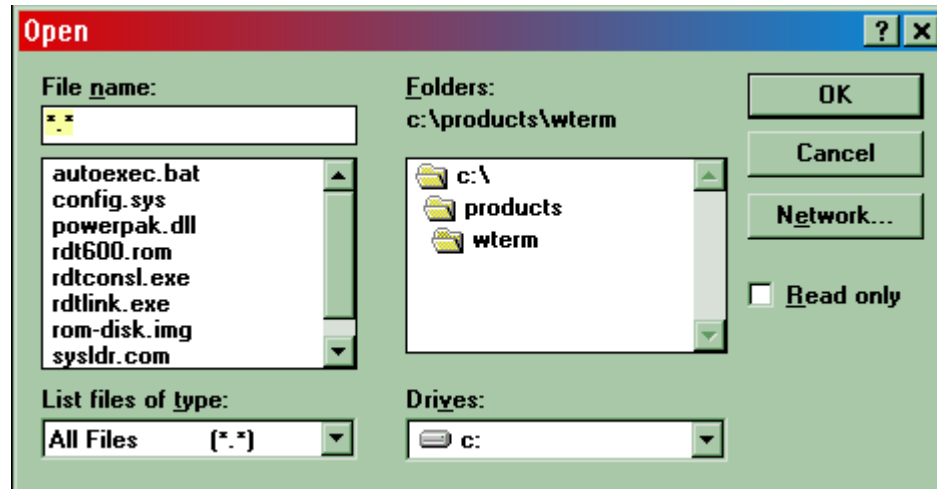
Click on Retrieve Files to display the following screen:



Key in the path (optional) and desired file name(s) to be retrieved and then click on OK to initiate the file transfer. If a file with the same name already exists on the Host, it is overwritten. The user is not prompted to overwrite the file, it occurs automatically. Wildcard characters can be used when specifying the files. Multiple files can be specified by placing a comma or semicolon after each file name.

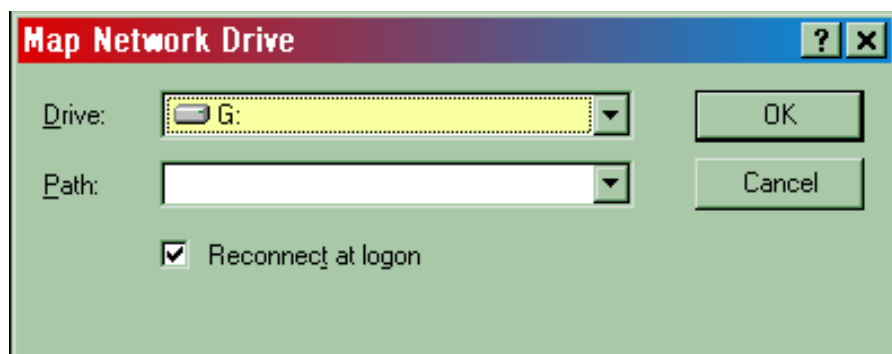
## Send Files

The Send Files menu item allows files to be copied (sent) from the Host computer to the RDT. Click on Send Files to display the following screen:



From this window the file or files can be selected by using the mouse. Multiple files can be selected by holding down the Control (Ctrl) key and clicking on the desired files. After the files have been selected, click on OK to initiate the file transfer. From this window it is possible to select the desired drive, folder, and file type.

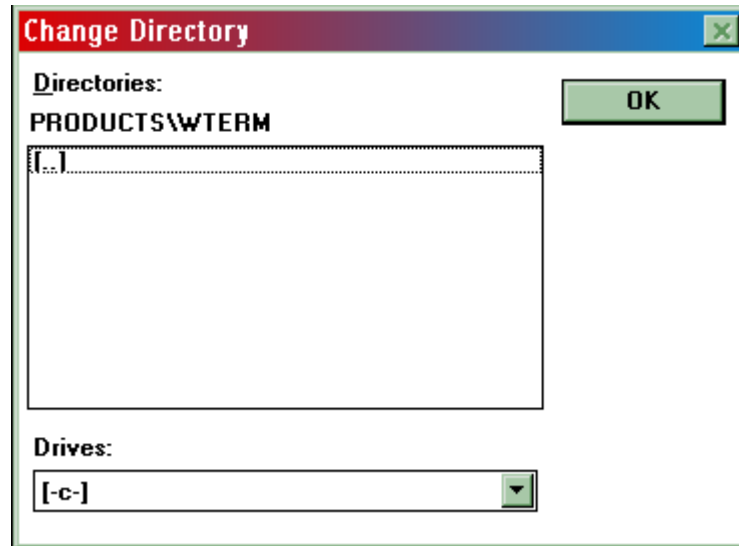
If a network is being used, a network drive can be mapped from the Network button. Click on the Network button to display the following screen:





## ***Change Directory***

The Change Directory menu item allows the user to change directories on the Host. When files are retrieved (copied) from the RDT to the Host, the directory displayed in this window is the current directory where the files get copied. Make sure the appropriate directory is selected before files are copied.



## ***Exit***

Select Exit to terminate the WTerm application program.

## **Edit Menu**

### ***Clear***

Clears the work area of the application.

---

## Console Work Area

The Console Work Area is the area below the tool bar. When the DOS prompt, for example `C:\>`, is visible within this area, DOS commands typed in the Console Work Area are executed on the RDT. The results of the commands are displayed in this area. This is particularly useful when working with a system without a display or keyboard, and for testing purposes.

To clear the work area, click on the Edit menu item and then click on Clear.

At the bottom of the WTerm window is a status line. The status line provides information regarding the current process or task that is being performed.

---

## Editing the Command Line

ROM-DOS supports F1, F3, Ins, Del, Esc, and Backspace for editing the command line.

Keystroke	Comments
When working in the WTerm work area, the following command line editing keys can be used:	
F1	Copies and displays one character from the stored line.
F3	Copies all remaining characters from the stored line to the display.
Ins	Allows you to insert characters into the stored line. Any characters you type are displayed on screen. You can switch Insert mode off by pressing Ins again.
Del	Deletes the current highlighted character in the stored line.
Esc	Cancels the command line and leaves the original contents of the stored line unchanged.
Backspace	Deletes the previous character in the stored line.

# Appendix A

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## Overview of Serial Communication Utilities

The ROM-DOS family of products includes multiple models of the RDT3000, RDT3200, RDT800, Rx600, OBC600, Route Tracker, Route Tracker-GPS, and CommTracker. As the product base has evolved, so too have the utilities for serial communication. The purpose of this section of the appendix is to explore the utilities available and how they may be used. There are four basic sets of utilities that have been developed for serial communications: (1) REMSERV and REMDISK, (2) RCOPY, (3) SERVER and RDTLink, and (4) RCONSOLE and WTerm.

### REMSERV and REMDISK

REMSERV and REMDISK was the primary method for communicating between the RDT3000 or RDT3200 and the Host computer. REMSERV sets either the Host or RDT as a “server”. REMDISK sets either the Host or RDT with a virtual drive that could access the server. Once the communication link had been established between the Host and RDT, standard DOS commands were used to perform various tasks such as copying files. These utilities work well with DOS-based systems or systems that allow access to DOS. The RDT3000 and RDT3200 had these utilities as part of Drive A: Additional information about these utilities can be found in the RDT3000 and RDT3200 Users Manuals.

### RCOPY

Even though files could be copied from the Host to the RDT using REMSERV and REMDISK, there was a need for a command line utility that could copy files over a serial link. RCOPY was developed to meet this need. From the DOS prompt or from within a batch file, RCOPY allows files to be copied from one DOS computer to another. RCOPY took the place of REMSERV and REMDISK on the RDT800 Series of products. RCOPY can also be used with any of the ROM-DOS products mentioned above. In some instances a different set of communication utilities must first be used to copy RCOPY to the RDT. Refer to the ROM-DOS Reference Manual for additional information about the RCOPY utility.

## SERVER and RDTLink

As the products evolved, a Windows-based interface at the Host computer was desired. With products that didn't have a QWERTY keyboard (Rx600, OBC600, Route Tracker, CommTracker), an interface where the Host could take basic control of the RDT and perform various tasks was necessary. For application development, testing, and other purposes as mentioned above, a simple Windows user interface was developed called RDTLink. RDTLink on the Host computer interacts with SERVER on the RDT. The Rx600, OBC600, Route Tracker, Tracker GPS and CommTracker have SERVER resident on drive A:, with each product having a unique method for placing the unit in "Server" mode.

Newer versions of the RDT800 series of products also have SERVER resident on drive A:. On these units, the RDT800 can be placed in "Server" mode by simply executing the utility SERVER. On models and versions where SERVER does not exist, it can be loaded to the RDT by first using RCOPY or REMSERV and REMDISK.

Refer to the RDTLink Reference manual for additional information about the RDTLink utility.

## RCONSOLE and WTerm with Wescor Products

With the development of the OBC600, Route Tracker, Tracker GPS, and CommTracker, it became apparent that having a utility that could act as a remote console would be very useful for testing and application development. The utilities RCONSOLE and WTerm were developed to meet this need. RCONSOLE resides on drive A: of the Route Tracker, Tracker GPS, and CommTracker products. It is a .SYS file and is loaded as a device driver. The Route Tracker, Tracker GPS and CommTracker have a method for placing these units in the Server or Remote Console mode of operation using the Reset Bridge. These products also have SERVER resident on drive A:. RCONSOLE interacts with SERVER when transferring files via the serial port.

WTerm is a Windows-based application utility residing on the Host that interfaces with the RDT when placed in Remote Console mode. WTerm has the ability to transfer files over the serial port and also has the ability to be the remote interface for the product. Once communication has been established, WTerm allows the user to utilize the Host computer's keyboard and display for controlling the RDT. It is also possible to execute batch files or other programs from within WTerm.

## RCONSOLE and WTerm with DOS-based Products

The combination of RCONSOLE and WTerm can also be used with other DOS-based products if desired. RCONSOLE.SYS and SERVER.EXE would first have to be copied to the DOS computer using one of the other communication utilities mentioned earlier. The CONFIG.SYS file would have to be modified to include "DEVICE=C:\RCONSOLE.SYS". Note that a more extensive configuration could be made so that you could select which devices got loaded.

# Appendix B

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## Manual Reset Bridge Instructions for Tracker Products

Though developed specifically for the Route Tracker, Tracker GPS, and CommTracker, the combination of RCONSOLE and WTerm can be used with any of the ROM-DOS based products developed by Wescor. They can also be used with other DOS-based products. This section of the appendix deals with the use of these communication utilities with Wescor's Tracker products.

Using the utility WTerm on the Host computer does not vary from product to product. The basic setup and interface is the same for each of the products. The combination of using RCONSOLE and SERVER varies somewhat from product to product and the method of putting the Tracker in communication mode varies. The following sub-sections deal with each of the products and the methods used for placing them into a Remote Console or communication mode of operation:

### Remote Console on the CommTracker

The CommTracker does not have floppy disk drives, so the task of loading an application program is accomplished by transferring the files via the RS-232 serial port COM2. The CommTracker also does not have a keyboard or display; interaction must be via the serial port. These tasks are accomplished by using the RCONSOLE-SERVER and WTerm utility programs. RCONSOLE.SYS and SERVER.EXE reside on drive A: (Read-Only-Drive) of the CommTracker. RCONSOLE is a .SYS file and gets loaded as a device driver. When in Remote Console mode, RCONSOLE automatically interacts with SERVER when transferring files via the serial port.

The CommTracker can be reset and rebooted into Remote Console mode with pins provided on the 15-pin connector (COM2). The Reset Bridge has been developed to help accommodate this process. The Reset Bridge is simply a double backshell with a 15-pin male D-sub on one side and a 15-pin female D-sub on the other. A toggle switch is mounted to the backshell to short pins 14 or 15 to ground (pins 1 or 8). All of the pins 1 through 13 are connected straight through to the same pin on each connector.

The toggle switch has a momentary position on one side and a sustained position on the other. The momentary position is wired to the RESET pin and the sustained position is wired to the Remote Console pin.

To RESET the CommTracker, press the toggle switch to the momentary position for a couple of seconds and then release it. After the switch is released, the status LED should turn on as the diagnostics are being executed and then turn off.

To put the CommTracker into Remote Console mode so that serial communications can be established via the WTerm application program, do the following:

1. Connect the Reset Bridge to the 15-pin connector of the CommTracker.
2. Apply power to the CommTracker. If the CommTracker is already powered, press the toggle switch to the momentary position for a couple of seconds and then release it. After the switch is released, immediately press the toggle switch to the sustained position. The CommTracker should now be in the Remote Console mode and the status LED should be on all the time, an indicator of Remote Console mode.
3. Serial communications can now be established with the CommTracker by using the WTerm serial communications application program.

Note: If the LED is not on, the CommTracker is not in the Remote Console mode. Repeat Steps 2-3.

## Remote Console on the Route Tracker

The Route Tracker does not have floppy disk drives, so the task of loading an application program is accomplished by transferring the files via the RS-232 serial port COM2. The Route Tracker also does not have a keyboard or display; interaction must be via the serial port. These tasks are accomplished by using the RCONSOLE-SERVER and WTerm utility programs. RCONSOLE.SYS and SERVER.EXE reside on drive A: (Read-Only-Drive) of the Route Tracker. RCONSOLE is a .SYS file and gets loaded as a device driver. When in Remote Console mode, RCONSOLE automatically interacts with SERVER when transferring files via the serial port.

The Route Tracker can be reset and rebooted into Remote Console mode with pins provided on the 15-pin connector (COM2). The Reset Bridge has been developed to help accommodate this process. The Reset Bridge is simply a double backshell with a 15-pin male D-sub on one side and a 15-pin female D-sub on the other. A toggle switch is mounted to the backshell to short pins 14 or 15 to ground (pins 1 or 8). All of the pins 1 through 13 are connected straight through to the same pin on each connector.

The toggle switch has a momentary position on one side and a sustained position on the other. The momentary position is wired to the RESET pin and the sustained position is wired to the Remote Console pin.

To RESET the Route Tracker, press the toggle switch to the momentary position for a couple of seconds and then release it. After the switch is released, the status LED should turn on as the diagnostics are being executed and then turn off.

To put the Route Tracker into Remote Console mode so that serial communications can be established via the WTerm application program, do the following:

1. Connect the Reset Bridge to the 15-pin connector of the Route Tracker.
2. Apply power to the Route Tracker. If the Route Tracker is already powered, press the toggle switch to the momentary position for a couple of seconds and

then release it. After the switch is released, immediately press the toggle switch to the sustained position. The Route Tracker should now be in the Remote Console mode and the status LED should be on all the time, an indicator of Remote Console mode.

3. Serial communications can now be established with the Route Tracker by using the WTerm serial communications application program.

Note: If the LED is not on, the Route Tracker is not in the Remote Console mode. Repeat Steps 2-3.

## Remote Console on the Tracker GPS

The Tracker GPS does not have floppy disk drives, so the task of loading an application program is accomplished by transferring the files via the RS-232 serial port COM2. The Tracker GPS also does not have a keyboard or display; interaction must be via the serial port. These tasks are accomplished by using the RCONSOLE-SERVER and WTerm utility programs. RCONSOLE.SYS and SERVER.EXE reside on drive A: (Read-Only-Drive) of the Tracker GPS. RCONSOLE is a .SYS file and gets loaded as a device driver. When in Remote Console mode, RCONSOLE automatically interacts with SERVER when transferring files via the serial port.

The Tracker GPS can be reset and rebooted into Remote Console mode with pins provided on the 15-pin connector (COM2). The Reset Bridge has been developed to help accommodate this process. The Reset Bridge is simply a double backshell with a 15-pin male D-sub on one side and a 15-pin female D-sub on the other. A toggle switch is mounted to the backshell to short pins 14 or 15 to ground (pins 1 or 8). All of the pins 1 through 13 are connected straight through to the same pin on each connector.

The toggle switch has a momentary position on one side and a sustained position on the other. The momentary position is wired to the RESET pin and the sustained position is wired to the Remote Console pin.

To RESET the Tracker GPS, press the toggle switch to the momentary position for a couple of seconds and then release it. After the switch is released, the status LED should turn on as the diagnostics are being executed and then turn off.

To put the Tracker GPS into Remote Console mode so that serial communications can be established via the WTerm application program, do the following:

1. Connect the Reset Bridge to the 15-pin connector of the Tracker GPS.
2. Apply power to the Tracker GPS. If the Tracker GPS is already powered, press the toggle switch to the momentary position for a couple of seconds and then release it. After the switch is released, immediately press the toggle switch to the sustained position. The Tracker GPS should now be in the Remote Console mode and the status LED should be on all the time, an indicator of Remote Console mode.
3. Serial communications can now be established with the Tracker GPS by using the WTerm serial communications application program.

Note: If the LED is not on, the Tracker GPS is not in the Remote Console mode. Repeat Steps 2-3.



# Appendix C

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## Using RConsole on RDT800 and 3000 Series Products

### Remote Console on the RDT800

Using RCONSOLE and WTerm with the RDT800 series is possible, but because the RDT800 has a keyboard and display, it is not nearly as useful. Utilizing SERVER and RDTLink typically would be a better method for using a Windows based utility on the Host computer. To use the Remote Console method, do the following:

1. Copy RCONSOLE.SYS and SERVER.EXE from the utility disk to the RDT using RCOPY. These two utility files should be placed in the root directory. (Note that some models of the RDT800 already have SERVER on drive A:, in these instances, SERVER.EXE would not need to be copied.)
2. Modify the CONFIG.SYS file to include the following:  
`DEVICE=C:\RCONSOLE.SYS`
3. Copy the CONFIG.SYS file from the Host to the RDT using RCOPY.
4. Reboot the RDT. When the RDT loads the device driver, the RDT is placed in Remote Console mode and remains in this mode until the RDT is rebooted and the `DEVICE=C:\RCONSOLE.SYS` step of the CONFIG.SYS file is bypassed or removed. Note that a more extensive configuration could be made so that you could select which devices get loaded.

As mentioned earlier, a preferred method typically would be to use the SERVER and RDTLink combination.

### Remote Console on the RDT3200

Using RCONSOLE and WTerm with the RDT3200 series is possible, but because the RDT3200 has a keyboard and display, it is not nearly as useful. Utilizing SERVER and RDTLink typically would be a better method for using a Windows based utility on the Host computer. To use the Remote Console method, do the following:

1. Copy RCONSOLE.SYS and SERVER.EXE from the utility disk to the RDT using REMSERV/REMDISK. These two utility files should be placed in the root directory.
2. Modify the CONFIG.SYS file to include the following:

`DEVICE=C:\RCONSOLE.SYS`

Note: The text editor PE resides on the RDT3200. This editor can be used to edit the CONFIG.SYS file.

3. Reboot the RDT. When the RDT loads the device driver, the RDT is placed in Remote Console mode and remains in this mode until the RDT is rebooted and the `DEVICE=C:\RCONSOLE.SYS` step of the `CONFIG.SYS` file is bypassed or removed. Note that a more extensive configuration could be made so that you could select which devices get loaded.

As mentioned earlier, a preferred method typically would be to use the SERVER and RDTLink combination.

## Remote Console on the RDT3000

Using RCONSOLE and WTerm with the RDT3000 series is possible, but because the RDT3000 has a keyboard and display, it is not nearly as useful. Utilizing SERVER and RDTLink typically would be a better method for using a Windows based utility on the Host computer. To use the Remote Console method, do the following:

1. Copy RCONSOLE.SYS and SERVER.EXE from the utility disk to the RDT using REMSERV and REMDISK. These two utility files should be placed in the root directory.

2. Modify the CONFIG.SYS file to include the following:

`DEVICE=C:\RCONSOLE.SYS`

Note: The text editor PE resides on the RDT3000. This editor can be used to edit the CONFIG.SYS file.

3. Reboot the RDT. When the RDT loads the device driver, the RDT is placed in Remote Console mode and remains in this mode until the RDT is rebooted and the `DEVICE=C:\RCONSOLE.SYS` step of the `CONFIG.SYS` file is bypassed or removed. Note that a more extensive configuration could be made so that you could select which devices get loaded.

As mentioned earlier, a preferred method typically would be to use the SERVER and RDTLink combination.