


## ***Configuring Terminal Emulation on the T2480 and T2485***

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This instruction sheet contains additional information for the *TRAKKER Antares Terminal Emulation User's Guide* (Part No. 066694-002). If you have a TRAKKER® Antares™ 2480 or 2485 terminal (T2480 or T2485) with 3270, 5250, or VT/ANSI terminal emulation (TE), please use this instruction sheet as a supplement to your user's guide.

**Note:** *The TE security feature is not supported on T2480 and T2485 terminals.*

**Important:** *Do NOT use the TE Configuration menu to configure terminal emulation. The TE Configuration menu screens do not fit in the screen window area and you cannot read all the options. If you do get into the menu, try pressing  to exit.*

**To configure TE parameters on the T2480 and T2485, you need to**

1. Upload the TE configuration file from the T2480 or T2485 to your PC, DCS 300, or Model 200 Controller.

**Note:** *The terminal will communicate with either the DCS 300 or the Model 200 Controller. The DCS 300 is a new data collection server that replaces the Model 200 Controller.*

2. Use a text editor to modify the TE configuration file.
3. Download the TE configuration file from your PC, DCS 300, or Model 200 Controller to the T2480 or T2485.

The next sections of this instruction sheet explain each step and explain what TE parameters can be set. The following table lists the TE applications and their TE configuration file names. To see an example of a TE configuration file, see Appendix B of the *TRAKKER Antares Terminal Emulation User's Guide*.

<b>TE Application</b>	<b>Configuration File Name</b>
3270	TE3270.CFG
5250	TE5250.CFG
VT/ANSI	TEANT.CFG

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## Uploading the TE Configuration File

You can use three different methods to upload the TE configuration file:

- FileCopy through a serial connection from your T2480 or T2485 to your PC
- The Download Server feature on the DCS 300 or controller to a T2480 or T2485 loaded with UDP Plus protocol
- The TFTP application on a PC or host to a T2480 or T2485 loaded with TCP/IP protocol

This section covers the first two methods. To use the TFTP application, see the *TRAKKER Antares 248X Stationary Terminal User's Manual* (Part No. 066960).

FileCopy is a Windows utility that lets you transfer files to or from a terminal by using serial communications. The FileCopy utility ships with the TRAKKER Antares Programmer's Software Kit (PSK) and EZBuilder. You can also download FileCopy from the Intermec Technologies Corporation web site at this address:

[www.intermec.com/products/ezbuildr.htm](http://www.intermec.com/products/ezbuildr.htm)

Choose Utilities & Tools to review information about FileCopy and to download a free copy of the utility to your PC.

### To use FileCopy to upload the TE configuration file

1. Connect the T2480 or T2485 to a PC using COM1, COM2, or COM4 on the back of the T2480 or T2485. For help, see the terminal user's manual.
2. Use FileCopy to upload the TE configuration file from the terminal's drive C to your PC. For help using FileCopy, use the online Help.
3. Modify the TE configuration file using any text editor. For help, see "Modifying the TE Configuration File" later in this instruction sheet.

### To use the Download Server to upload the TE configuration file

1. Configure your T2480 with Ethernet or your T2485 to communicate with the DCS 300 or Model 200 Controller. For help, see the terminal user's manual.
2. Using the Download Server feature on the DCS 300 or controller, select the T2480 or T2485 that you want to upload the TE configuration file from. You can also select a group of terminals. For help, see the *DCS 300 System Manual* (Part No. 067296) or *Model 200 Controller System Manual* (Part No. 063439).
3. Choose the Command option button.
4. Enter the Transmit File reader command and choose Add. The command appears in the Files and Data box.

`%%R,c:fromfilename,tofilename`



## Configuring Terminal Emulation on the T2480 and T2485

### 3270 or 5250 TE Configuration File Parameters

The following table explains the parameters you can set for 3270 or 5250 TE and lists what to look for in the TE configuration file to modify the parameter. The default settings will be shown in the TE configuration file (TE3270.CFG or TE5250.CFG) when you upload it.

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#### 3270 and 5250 TE Configuration File Parameters

Parameter	Name in the TE Configuration File	Parameter Options	Description
Text Size	TextSize	RegularHeight DoubleHeight	Selects the size of text the terminal displays on the terminal screen. Options are regular height (normal characters) and double height (double high text).
Auto Field Advance (5250 only)	AutoAdvance	Enable Disable	Enables or disables the auto field advance option. Auto field advance enabled is the default. For more information about using auto-advance, see “Auto-Advancing Through Fields on 5250 Terminal Emulation Screens” in Chapter 2 of the <i>TRAKKER Antares Terminal Emulation User’s Guide</i> .
Upline Protocol (UDP Plus only)	TranId	\$TE3, \$TE5, \$TEV,	Select either Telnet (\$TEV,) or SNA (\$TE3, for 3270 or \$TE5, for 5250) protocol. SNA forces the TRAKKER Antares terminal to use the SNA 3270 or 5250 Terminal Session Manager (TSM) on the DCS 300 or Model 200 Controller for communicating with the host. Telnet forces the terminal to use the Telnet TSM in the DCS 300 or controller to communicate with the host. Both TSM components reside on the DCS 300 or controller and are transparent to the terminal emulation user.



3270 and 5250 TE Configuration File Parameters (continued)

Parameter	Name in the TE Configuration File	Parameter Options	Description
Host Name (UDP Plus only)	HostName	(blank)	<p>Enter the name of the host to which you want the terminal to connect. You can enter a host name that is up to 15 characters long. The name must match a host name in the list of available hosts defined on the DCS 300 or Model 200 Controller.</p> <p><i>Note: If you have linked a terminal with a host name on the DCS 300 or Model 200 Controller, you do not need to enter a host name in this screen. If you have not linked a terminal with a host name on the DCS 300 or controller, you must enter a host name for this parameter.</i></p>
Viewport Mode	ViewportMode	Follow Center Manual	<p>Select one of these viewport movement modes:</p> <ul style="list-style-type: none"> <li>• <b>Follow</b> Enables viewport Follow Cursor mode.</li> <li>• <b>Center</b> Enables viewport Center mode. The viewport always centers around the cursor.</li> <li>• <b>Manual</b> Disables viewport movement. You must manually move the cursor to each field in the screen.</li> </ul>
Side Boundary (Follow Cursor Mode only)	SideBoundary	1	<p>Set this parameter to a value from 1 to 10. The viewport moves when the cursor is this number of characters (1 to 10) from the right or left side boundary.</p>
Side Jump (Follow Cursor Mode only)	SideJump	10	<p>Set this parameter to a value from 1 to 10. The number of characters (1 to 10) the viewport moves right or left when you reach a horizontal boundary.</p>

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### 3270 and 5250 TE Configuration File Parameters (continued)

Parameter	Name in the TE Configuration File	Parameter Options	Description
Vertical Boundary (Follow Cursor Mode only)	VerticalBoundary	1	Set this parameter to a value from 1 to 10. The viewport moves when the cursor is this number of characters (1 to 10) from the top or bottom boundary.
Vertical Jump (Follow Cursor Mode only)	VerticalJump	8	Set this parameter to a value from 1 to 10. The number of characters (1 to 10) the terminal moves up or down when you reach a vertical boundary.

### VT/ANSI TE Configuration File Parameters

The following table explains the parameters you can set for VT/ANSI TE and lists what to look for in the TE configuration file to modify the parameter. The default settings will be shown in the TE configuration file (TEANT.CFG) when you upload it.

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### VT/ANSI TE Configuration File Parameters

Parameter	Name in the TE Configuration File	Parameter Options	Description
Text Size	TextSize	RegularHeight DoubleHeight	Selects the size of text the terminal displays on the terminal screen. Options are regular height (normal characters) and double height (double high text).
Terminal Type	TermType	VT100 VT220 VT320 ANSI RDRANSI	Selects the terminal type of the host system. The supported terminal types are VT100, VT220, VT320, RDRANSI, and ANSI.
Terminal Mode (VT220/320 only)	TermMode	VT100 VT220-7bit VT220-8bit VT320-7bit VT320-8bit	Select the Terminal mode that corresponds to your terminal type. This field sets the mode VT-series terminals use to exchange escape sequences, control commands, and status reports with an application.






*VT/ANSI TE Configuration File Parameters (continued)*

Parameter	Name in the TE Configuration File	Parameter Options	Description
User-Defined Key (VT220/320 only)	UserDefinedKey	Unlock Lock	Select whether you want this parameter set to lock or unlock. When you select lock, you cannot reprogram user-defined keys. When you select unlock, you can program user-defined keys from the host application.
Keypad Mode	KeypadMode	Numeric Application	Select Numeric or Application mode. These options generate different key codes. For a list of key codes, see “Understanding VT/ANSI Key Support” in Appendix B of the <i>TRAKKER Antares Terminal Emulation User’s Guide</i> .  If you select Numeric mode, you generate ANSI cursor control ESC sequences that correspond to what appears on the face of the keys.  If you select Application mode, you generate application ESC sequences for the key code. For help, see your VT manual.
Cursor Mode	CursorMode	Cursor Application	Select Cursor or Application mode. These two options generate different key codes.  If you select Cursor mode, you generate ANSI cursor control ESC sequences that correspond to what appears on the face of the cursor key.  If you select Application mode, you generate application ESC sequences for the key code. For help, see your VT manual.

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### VT/ANSI TE Configuration File Parameters (continued)

Parameter	Name in the TE Configuration File	Parameter Options	Description
Numeric Keypad	NumericKeypad	Disable Enable	Enables or disables Numeric Keypad mode on the terminal. When you enable Numeric Keypad mode, the terminal numeric keys function like the numeric keys on a PC's numeric keypad. When you disable Numeric Keypad mode, the terminal numeric keys function like the numeric keys on the main section of a PC keyboard.
Input Mode	InputMode	CharMode LineMode	Select Line mode or Character mode. In Line mode, you can enter a line of characters on your terminal before transmitting data to the host. Press  to send each line of text. Line mode reduces communications overhead because input is sent one line at a time instead of one or a few characters at a time. In Character mode, keypad input is immediately sent to the host.
Answerback	Answerback	(blank)	When the host computer sends an ENQ, the terminal responds by sending the Answerback field to the host. You can also press   on the terminal to send the Answerback field to the host. Answerback can be up to 30 characters long including any ASCII character from 0 to 255. You can place a carriage return anywhere in the Answerback field. Enter these four characters for a carriage return: <cr>.





*VT/ANSI TE Configuration File Parameters (continued)*

Parameter	Name in the TE Configuration File	Parameter Options	Description
Host Name (UDP Plus only)	HostName	(blank)	<p>Enter the name of the host to which you want the terminal to connect. You can enter a host name that is up to 15 characters long. The name must match a host name in the list of available hosts defined on the DCS 300 or Model 200 Controller.</p> <p><i>Note: If you have linked a terminal with a host name on the DCS 300 or Model 200 Controller, you do not need to enter a host name in this screen. If you have not linked a terminal with a host name on the DCS 300 or controller, you must enter a host name for this parameter.</i></p>
Viewport Mode	ViewportMode	Follow Center Manual	<p>Select one of these viewport movement modes:</p> <ul style="list-style-type: none"> <li>• <b>Follow</b> Enables viewport Follow Cursor mode.</li> <li>• <b>Center</b> Enables viewport Center mode. The viewport always centers around the cursor.</li> <li>• <b>Manual</b> Disables viewport movement. You must manually move the cursor to each field in the screen.</li> </ul>
Side Boundary (Follow Cursor Mode only)	SideBoundary	1	<p>Set this parameter to a value from 1 to 10. The viewport moves when the cursor is this number of characters (1 to 10) from the right or left side boundary.</p>
Side Jump (Follow Cursor Mode only)	SideJump	10	<p>Set this parameter to a value from 1 to 10. The number of characters (1 to 10) the viewport moves right or left when you reach a horizontal boundary.</p>

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### VT/ANSI TE Configuration File Parameters (continued)

Parameter	Name in the TE Configuration File	Parameter Options	Description
Vertical Boundary (Follow Cursor Mode only)	VerticalBoundary	1	Set this parameter to a value from 1 to 10. The viewport moves when the cursor is this number of characters (1 to 10) from the top or bottom boundary.
Vertical Jump (Follow Cursor Mode only)	VerticalJump	8	Set this parameter to a value from 1 to 10. The number of characters (1 to 10) the terminal moves up or down when you reach a vertical boundary.
Printer Ready	PrinterReady	No Yes	Printer ready means the printer is on and connected to your terminal.
Auto Print Mode	AutoPrintMode	Off On	Prints each line after the cursor leaves that line using a carriage return or when auto-advancing through fields. This mode can be turned on or off from a VT/ANSI host or in the TE configuration file.
Printer Controller	PrinterController Mode	Off On	Prints all data from a VT/ANSI host. This mode should be turned on and off from the host because all host screens are printed without allowing the user to respond. You cannot log on or off while in this mode.
Print Form Feed	PrintFormFeedMode	Off On	After a screen is printed, the printer advances the printed screen out of the printer.



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## Downloading the TE Configuration File

You can use three different methods to download the TE configuration file:

- FileCopy through a serial connection from your T2480 or T2485 to your PC
- The Download Server feature on the DCS 300 or controller to a T2480 or T2485 loaded with UDP Plus protocol
- The TFTP application on a PC or host to a T2480 or T2485 loaded with TCP/IP protocol

This section covers the first two methods. To use the TFTP application, see the *TRAKKER Antares 248X Stationary Terminal User's Manual*.

### To use FileCopy to download the TE configuration file

1. Connect the T2480 or T2485 to a PC using COM1, COM2, or COM4 on the back of the T2480 or T2485. For help, see the terminal user's manual.
2. Use FileCopy to download the TE configuration file from your PC to the terminal's drive C. For help using FileCopy, use the online Help.

### To use the Download Server to upload the TE configuration file

1. Configure your T2480 with Ethernet or your T2485 to communicate with the DCS 300 or Model 200 Controller. For help, see the terminal user's manual.
2. Using the Download Server feature on the DCS 300 or controller, select the T2480 or T2485 that you want to download the TE configuration file to. You can also select a group of terminals. For help, see the *DCS 300 System Manual* (Part No. 067296) or *Model 200 Controller System Manual* (Part No. 063439).
3. Choose the Command option button.
4. Enter the Receive File reader command and choose Add. The command appears in the Files and Data box.

```
.%R,fromfilename,c:tofilename
```

For example, to upload the TE configuration file for VT/ANSI, enter the following command:

```
.%R,teant.cfg,c:teant.cfg
```

5. Choose OK to save the Receive File reader command and return to Terminal Download Configuration dialog box.
6. Choose Download to download the Receive File reader command to the T2480 or T2485. The T2480 or T2485 will download the TE configuration file to the terminal's drive C.

If you already have a TE session running and you changed TE communications parameters, you must restart your TE application for the changes to take effect.

## Configuring Terminal Emulation on the T2480 and T2485

### To restart your TE application

- Scan this bar code label

Reset Firmware



\*-.\*

You can also send the Reset Firmware command over the network. For help, see your TRAKKER Antares terminal user's manual.

Or, use the TRAKKER Antares 2400 Menu System to configure the Resume Execution command to resume "not allowed." Choose Terminal Menu from the Configuration Menu and then choose Power Management. Each time you press  to turn on the terminal, the terminal boots and restarts your application.

The terminal restarts your TE application using the configuration saved in the TE configuration file.

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T2480 and T2485 Instructions



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