

[Installation Instructions for Terminal Concentrator 4690](#)

**Terminal Concentrator for 4690 Installation Instructions**

**(Assumes the use of IBM Terminals only)**

**PRE-REQs**

1. TCPIP communications protocol configured on both master and alternate master controllers
2. Required additional Store Controller Memory:  $15\text{MB} + n \cdot 1.5\text{MB}$ , where  $n$ =number of non-ACE terminals.  
Note: If running ACE or more than 20 terminals, change 15MB to 27MB in above formula
3. 4690 V2R3 or later
4. Standard IBM terminals using 50-Key keyboards (Full Screen not supported)

**INSTALLATION INSTRUCTIONS**

1. Follow instructions that come with the installation package to create two installation diskettes.
2. Insert each diskette into drive A: of the 4690 Master Controller and type "chkdsk -f a:" from a command prompt. This clears file attribute conflicts sometimes seen between Windows and 4690 OS.
3. Insert diskette 1 into the A: drive on the 4690 Master Controller and from a command prompt, type "a:install".
4. Follow screen prompts to complete the installation.

**\*\*Warning\*\*\*\*\***  
\* The installation will reboot all active controllers on the lan \*  
\* during the installation process. \*  
**\*\*\*\*\***

5. If TC is already installed on your controllers and you are updating an existing operational TC installation, you should now reload the new TERMRPAM.286 into all terminals which are running TC. You are finished. SKIP THE REMAINING STEPS.
6. If you are installing a first-time installation of Terminal Concentrator for 4690, obtain from QVS a specially-customized file, QCDIFILE.MST. Copy this file to the C:\TC46 directory on the Master Controller. Distribute this file to assure that it is available also on the Alternate Master controller.
7. Using Controller Configuration, add a new background application to the Master Controller. In addition, move that application to the top one in the list. This will cause a quicker start of TC4690 following a controller reboot. An easy way to move this up the list is to make note of the settings of the current item at the top of the background job list, type the following settings

over that task, and add the former top task to the bottom of the list. The following parameters should be used:

Initial Message: QVS Terminal Concentrator for 4690

Program Name: "TC\_BIN:TC4690.286"

All Start Conditions: Y

All Stop Conditions: N

Note: Remember to page down to the last screen.

priority: 1

8. In a similar way, using Controller Configuration, add a new background application to the Alternate Master Control

Initial Message: QVS Terminal Concentrator for 4690

Program Name: "TC\_BIN:TC4690.286"

All Start Conditions: Y

All Stop Conditions: N

Note: Remember to page down to the last screen.

priority: 1

9. Using terminal configuration, create a new keyboard definition RPAKBD01 of 4693 POS/USB type. Use keyboard definition ADXKBF01 as a model (default keys are correct). If necessary, swap the format of the numeric keys to match the style used in your store. If you are using the 4683-style 50 key keyboard create a definition for it using ADXKBD01 as a model. Name the new definition RPAKBD02.
10. Terminal Concentrator requires two terminal definitions to be created for each terminal you intend to use. If, for example, you want to use terminal 3 and 4 (a 4693 Mod 1 and 2 pair) with this product, you should define terminals 3 and 4 as you normally would. You must then create a mirror image definition of each of these terminals using terminal numbers 803 and 804, respectively. These terminal load definitions must use the same Device Groups as used for terminals 3 and 4, but they must use a new keyboard definition (RPAKBD01 or RPAKBD02) and a new application name (R::TC\_BIN:TERMRPAM.286). For example, if terminals 3 and 4 are partner terminals, then terminals 803 and 804 should also be defined as partner terminals. Using terminal configuration, define as many of these mirror definitions as you intend to run using Terminal Concentrator. If you are configuring a terminal with a 4683 50 key keyboard, use the RPAKBD02 keyboard definition instead for the 800-level terminal definition.
11. Check to be sure that LAN Configuration (under the System Configuration menu) includes definitions for all of the terminal numbers, including the 800-level definitions.
12. Activate controller, system (if needed), and terminal configuration
13. Reboot both the master and alternate master controllers.
14. Using Terminal Set Characteristics Program (S1,71,S2) at the terminal, redefine the terminal address to be the mirror terminal number for that terminal. For example, for terminal 3, define the terminal number as 803. In response to a Z001 prompt while running STC, the user should

key in 1803,S2. The partner terminal should set its address as 804 (this assumes that 804 is the partner terminal to 803).

15. When the terminal reboots, the special Terminal Concentrator application (TERMRPAM.286) should load and should load and run the normal 4690 Application defined for that terminal. Example: Terminal 803 would run the application defined for terminal 3.