



TVM/VTM Series FLASH Update From USB Instructions For Firmware Versions 0.93 Or Higher

Equipment Required To FLASH Update A TVM/VTM Series Unit:

1. PC with a USB communications port
2. One 8MB (or larger) USB memory stick.

General Instructions:

1. If the current TVM/VTM Series Firmware version is “0.93” to “3.65” then Parts 1 and 2 of this procedure must be performed.
2. If the current TVM/VTM Series Firmware version is “4.05” or higher then only Part 2 of this procedure must be performed.

Part 1

Update Procedure:

1. Obtain a USB memory stick.
2. Load the FLASH file “vtx_rlibs_0405.flu” onto the USB memory stick using a PC with a USB port. No other flu file should be on the memory stick.
3. Apply power to the TVM unit to be updated. Verify the TVM/VTM Series has booted and operating properly.
4. Coldstart the unit by pressing and holding the SETUP button, the Horizontal Arrow Knob and Vertical Arrow Knob until the unit beeps and displays the COLD START message.

Warning: It is extremely important that power is not removed from the TVM/VTM Series unit when the “vtx_rlibs_0405.flu” file is loading. A “FLASH UPDATE DONE” message on the LCD indicates when the update is complete. If power is interrupted during the loading process the unit will fail to boot and must be returned to the factory.

5. Install the USB memory stick containing the “vtx_rlibs_0405.flu” file into the USB port located on the rear panel of the TVM/VTM Series.
6. Invoke FLASH update using the following steps:
 - a. Push SETUP button.
 - b. Select SYSTEM menu.
 - c. Select FLASH UPDATE FROM USB.
 - d. Press ENT button to begin VFLASH. **DO NOT REMOVE POWER!** (If the unit fails to find the .FLU file on the USB memory stick, cycle power and repeat step 6 of Part 1)
 - e. It is normal during a flash update for the front panel function buttons to flash and the FAULT indicator to illuminate.
 - f. The unit is finished updating when the message “FLASH UPDATE DONE” is displayed.

- g. Remove power from unit only after the “FLASH UPDATE DONE” message is displayed.
 - h. Remove USB memory stick
 - i. Apply power. Verify the TVM/VTM Series has booted and operating properly.
7. Remove “vtx_rlibs_0405.flu” file from the USB memory stick using a PC.

Part 2

Update Procedure:

Note: FLASH version 4.78 and higher require five “.flu” files for a complete update of the software and hardware. Earlier FLASH versions are unchanged and still have one “.flu” file.

1. Load the FLASH file or files “vtx_xxx_rXXXX.flu” (XXXX represents the current “.flu” file version) onto the root directory of a memory stick using a PC with a USB port. Only the flu files with the same version number should be on the memory stick.
2. Install the USB memory stick containing the “vtx_xxx_rXXXX.flu” file into the USB port located on the rear panel of the TVM/VTM Series.
3. Invoke FLASH update using the following steps:
 - a. Push SETUP button.
 - b. Select SYSTEM menu.
 - c. Select FLASH UPDATE FROM USB.
 - d. Press ENT button to begin VFLASH (If the unit fails to find the .FLU file on the USB memory stick, cycle power and repeat step 3 of Part 2).
 - e. It is normal during a flash update for the front panel function buttons to flash and the FAULT indicator to illuminate.
 - f. The unit is finished updating when the message “FLASH UPDATE DONE” is displayed.
 - g. Remove power from unit.
 - h. Remove USB memory stick.

Note: If power is lost during the update of the “vtx_xxx_rXXXX.flu” file the update will not be successful and the FLASH procedure should be repeated.

4. Apply power. Verify the TVM/VTM Series has booted and operating properly.
5. After unit power is cycled, check the firmware version using the following steps:
 - i. Push SETUP button.
 - j. Select ABOUT
 - k. Firmware version should read “XXXX” of the FLU file used in step 2 of Part 2.
 - l. Other devices listed were also updated.

Note: The TVM/VTM-Opt JEM input board may require two FLASH updates of the same .FLU files if the proper revision levels are not displayed in the ABOUT box after the first FLASH update.