

3706A Firmware Upgrade Instructions

Use this procedure to upgrade the Series 3700 firmware directly from a USB flash drive using a *.zip file. The upgrade process should take approximately 5 minutes, depending on the cards in the system and if a DMM is installed. The normal upgrade procedure only upgrades to a higher-level software version. If any part of the system is already at a higher software revision, that part of the system is skipped during the upgrade. A separate operation is available to upgrade to earlier revision firmware (downgrade).

The upgrade process upgrades the mainframe, the digital multimeter (DMM), and any cards in the mainframe. Make sure all available cards are populated in the mainframe before beginning the upgrade procedure.

NOTE: You can upgrade a single card by populating the mainframe with that card and re-running the upgrade procedure. The upgrade procedure verifies that other parts of the system are already at the latest revision and only upgrades the additional installed card.

CAUTION: Do not turn off 3700A or remove the flash drive during the upgrade procedure. Wait until the 3700A completes the upgrade procedure, reboots, and the opening display is displayed.

1. Copy the upgrade `main_p37xx_0157b.zip` file to a USB flash drive.

NOTES:

- Make sure drive size is large enough for the size of the upgrade file
 - The upgrade procedure will use the first `main_p37xx_*.zip` file it finds on the USB flash drive. This may or may not be the correct version if multiple .zip files are present on the drive. Verify that only the correct .zip file exists on the drive in the root directory.
2. Power on the Series 3700A.
 3. Install the USB flash drive in the front-panel connector.
 4. On the front panel, press the MENU key.
 - NOTE: If your model does not have a front panel, upgrade over the bus with the appropriate command: `upgrade.unit()` or `upgrade.previous()`.
 5. Turn the navigation wheel to scroll to "UPGRADE" and press the navigation wheel.
 6. The question UPGRADE UNIT? is displayed. Select "Previous" to install a previous version or select "Yes" to upgrade to a newer version and press the navigation wheel.
 7. The Series 3700A upgrade status is displayed on the front panel, including the percentage. When the file has been unpacked, the upgrade status will be displayed as it is upgraded (first cards installed in the slots including the DMM if installed, and then the Main Series 3700A).
 - NOTE: For models without a front panel, the lan-status and clock-status LEDs blink in unison during the upgrade process.
 8. The Series 3700A reboots automatically when the upgrade is complete.