

Upgrading Firmware

The Network Master series (MT9090A hereafter) has a firmware upgrade function for adding new functionality and solving operation bugs. The new firmware upgrade is executed when the MT9090A reads an update installer file released by Anritsu. This document explains how to update the firmware of the following products connected to the MT9090A.

**MU909014A, MU909014A1, MU909014B, MU909014B1,
MU909015B, MU909015B1**

Note:

- Your μ OTDR Module has unique firmware version depending on the model type you purchased. If your model name is found in the following, please download the relevant firmware. This document does not cover the firmware for the following models.

**MU909014C, MU909014C6,
MU909015A6, MU909015C, MU909015C6**

- When upgrading firmware, ALWAYS refer to the operation manual for the MT9090A Network Master Series μ OTDR Module.
- Always perform firmware upgrades with the AC adapter connected.

Download Files

The latest firmware for the modules can be downloaded as zip files from the Anritsu home page at <https://www.anritsu.com/en-us/test-measurement/support/downloads?model=MU909014B/14B1/15B/15B1>.

Example: When the **uOTDR_vxxx_E.zip** (xxx = version; Example: **uOTDR_v100_E.zip**)

file is unzipped (expanded), the following files are created:

- (1) uOTDR_xxx.BBM
(MU909014A/A1/B/B1, MU909015B/B1 firmware update file, Version xxx)
- (2) uOTDR_DownloadManual_E04.pdf (this document: English)
- (3) MU909014_ReleaseNote_vxxx_E.pdf (release notes, Version xxx, English)
- (4) uOTDR_Readme.txt (version information for unzipped files)

The "uOTDR_xxx.BBM" file is the updater file that should be copied to a USB memory stick.

Note:

- Check first that this instrument supports the model of USB memory. For more details read the Firmware Update Notes at the end of this document.

Operation Manual

The latest version of the operation manual for these modules can be downloaded from the download site at the Anritsu home page. The URL is the same as the firmware download site provided above. The operation manual is downloaded as a pdf file.

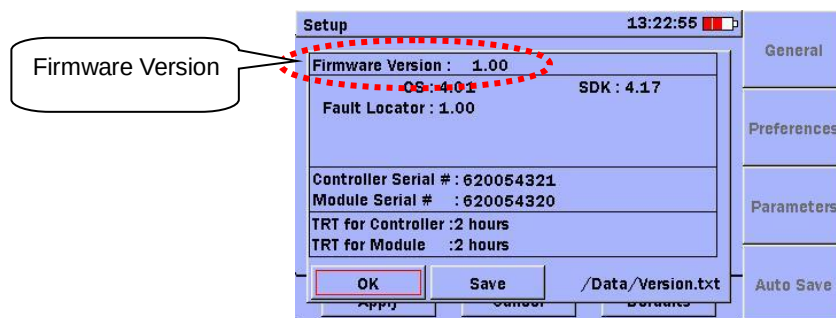
Example:

MU909014_15_opm_e_x_x.pdf (Version xxx, pdf format)

QuickGuide_e_x_x.pdf (Version xxx, pdf format)

Checking Firmware Version

Check the firmware version as explained Page 3-31 of the MU909014A/A1/B/B1, MU909015B/B1 μ OTDR Module Operation Manual.



Note

- Always read the firmware release notes and check the firmware version of the instrument before running the firmware upgrade. No firmware upgrade is required when the current instrument firmware version and the version in the downloaded release notes are the same.

Firmware Upgrade Procedure

Upgrade the firmware by following the procedure described in Chapter 12.2 Upgrading Firmware of the MU909014A/A1/B/B1, MU909015B/B1 μ OTDR Module Operation Manual.

Firmware Update Notes

- Download the newest firmware from the following URL.
 - <https://www.anritsu.com/en-us/test-measurement/support/downloads?model=MU909014B/14B1/15B/15B1>
- Anritsu has confirmed compatibility with USB memory from the makers listed in the following table. If your USB memory is not recognized by the MT9090A, please purchase one of the supported media types.

Manufacturer	Model/Capacity
Sony	POCKET BIT/32MB
Sony	POCKET BIT 512MB Turbo
GREEN HOUSE	PicoDrive/64 MB
TOSHIBA	TransMemory/256 MB
TOSHIBA	TransMemory/512 MB
ADTEC	DATASTICK/64 MB
Princeton	X i a o Jr./64 MB
BUFFALO	RUF2 - E1G - B/512 MB
I-O DATA	ToteBag/512 MB
Scan Disk	Cruzer Micro with Skins USB Flash Drive/256 MB
imation	Flash Drive Mini with swivel cap/256 MB
Transcend	JetFlash 256 MB

- NEVER remove the USB memory inserted into the MT9090A while updating, otherwise the firmware update will fail, leaving the MT9090A unable to restart.
- When updating the firmware, do not press any key on the MT9090A, otherwise the firmware update may fail, leaving the MT9090A unable to restart.
- When updating the firmware, do not turn off the power to the MT9090A, otherwise the firmware update will fail, leaving the MT9090A unable to restart.
- When updating the firmware, do not remove the AC adapter plug from the MT9090A, otherwise the firmware update may fail, leaving the MT9090A unable to restart.
- If the firmware update fails and the MT9090A cannot restart, please contact our Anritsu sales representative.