

# MT9083A2/B2/C2 ACCESS Master Firmware Update Procedure (USB Cable Connection)

Version 2

## Firmware Update Procedure (USB Cable Connection)

The Firmware Update Procedure (USB Cable Connection) is used to add new functions to the MT9083A2/B2/C2 and resolve any known problems. The MT9083A2/B2/C2 firmware is updated by installing the file released by Anritsu.

This document explains how to upgrade the firmware using a USB Cable.

### Notes:

- BEFORE performing this firmware upgrade, ALWAYS read the MT9083A2/B2/C2 ACCESS Master Firmware Update Procedure (this document) and the Operation Manual for MT9083A2/B2/C2.
- Perform the upgrade with the AC adapter connected to the MT9083A2/B2/C2.

### Step 1: Expanding file downloaded from Internet

The MT9083A2/B2/C2 firmware update file can be downloaded to a PC from the Firmware Download site at Anritsu's Web page.

#### Download file name:

**MX9083x2\_vxxx\_E.zip (xxx: Version; example: MX9083x2\_v103\_E.zip)**

The download file is provided as a .zip file. Copy the downloaded file to a folder on the PC and then expand it. The following files will be extracted.

- 1) MT9083x2\_Install\_vxxx.apm (MT9083A2/B2/C2 firmware update file version xxx)
- 2) MT9083x2\_DownloadManual\_E.pdf (Download manual: this document)
- 3) MT9083x2\_ReleaseNote\_vxxx\_E.pdf (Release notes)
- 4) Readme\_eng.txt (version information for expanded file)

### Notes:

- Always read the Release notes and confirm the firmware version of the MT9083A2/B2/C2 before running the update. If the MT9083A2/B2/C2 firmware version is the same as the firmware update version, there is no need to update the firmware.
- Check that the USB memory is recognized by the MT9083A2/B2/C2. For the details, read the Firmware Update Notes at the end of this document and the Operation Manual for MT9083A2/B2/C2.

**Step 2: Copying firmware update file (MT9083x2\_Install\_vxxx.apm) to Internal Memory of MT9083A2/B2/C2**

Using the following procedure copy the firmware update file (MT9083x2\_Install\_vxxx.apm) download by procedure 1 from the customer's PC to the internal memory of MT9083A2/B2/C2.

Use a USB cable to connect the customer's PC and the USB Up Port of MT9083A2/B2/C2 (Fig. 1). At the PC, select and open the removable disk. Access the internal memory of MT9083A2/B2/C2 from the PC and drag the update file from the PC to MT9083A2/B2/C2 (Fig. 2) to copy it to the internal memory.

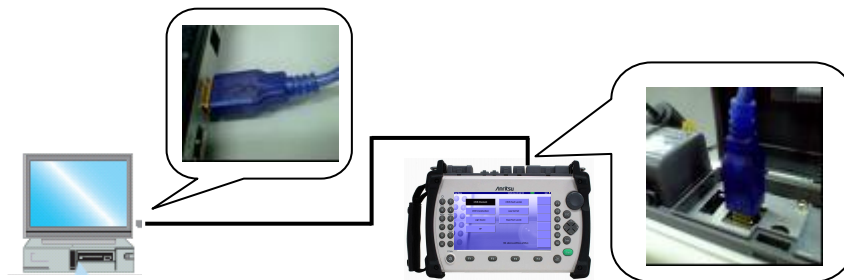


Fig. 1 USB Cable Connection

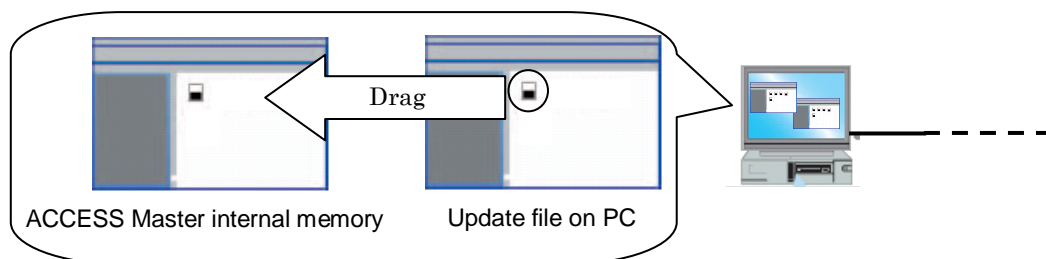


Fig. 2 Copying Update File to ACCESS Master

After copying the file to internal memory using the above procedure, safely disconnect the USB cable connection between the MT9083A2/B2/C2 and the PC by referring to the PC operation manual.

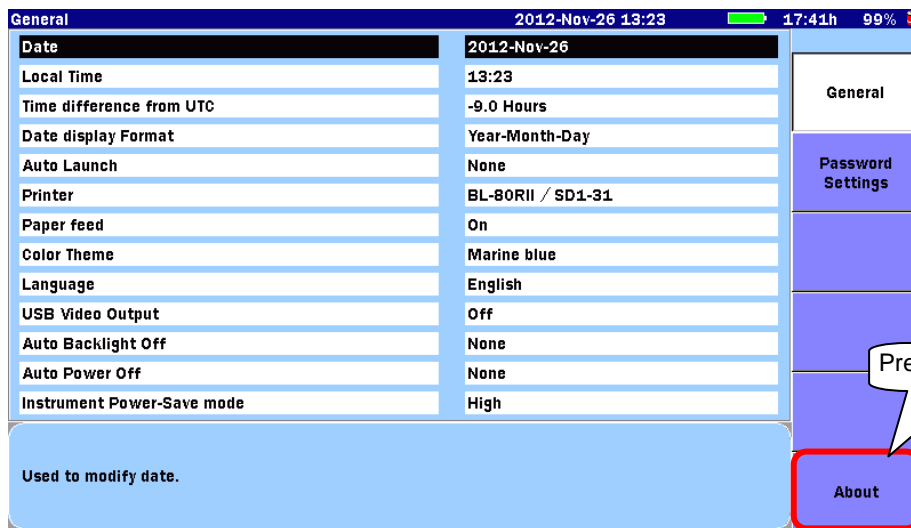
**Step 3: Displaying firmware update screen**

Press the Top menu key to display the Top menu (Fig. 3) and then press the <sup>Setup</sup> 5 key to display the General Configuration screen.



Fig. 3 Top Menu

After the General Configuration screen (Fig. 4) is displayed, press the **f6** (About) key to display the About screen.



Press the Up/Down keys to move cursor, press Enter to change the value.

Fig. 4 General Screen

When the About screen (Fig. 4) is displayed, select the Update Firmware, and then, press the **Enter** key to display the Load screen (Fig. 5).



Fig. 5 About Screen

#### Step 4: Reading firmware update file


The default folder at the Load screen is Internal Memory. If this folder is USB Memory, press the  key to change to Internal Memory containing the update file.



Fig. 6 Load Screen

At the Load Screen (Fig. 6), check that the folder has changed to [Internal Memory]. If the firmware update file (MT9083x2\_Install\_vxxx.apm) is in a different folder, select that correct folder. Then use the Up/Down button to navigate to the firmware update file and press the **f1** key to read the file.

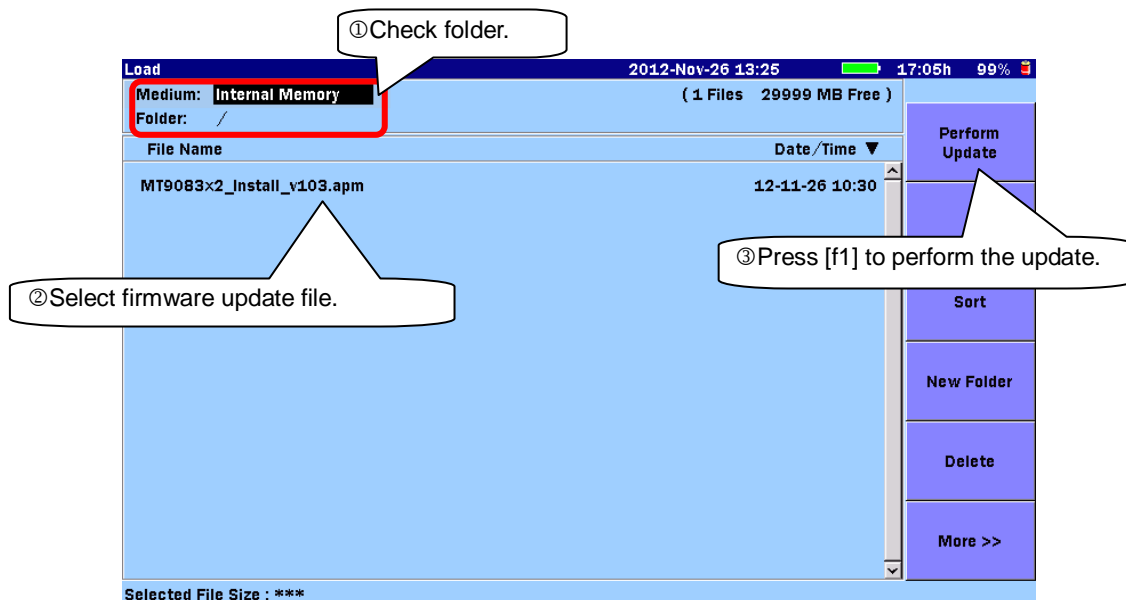


Fig. 7 Load Screen

## Step 5: Updating firmware

When Step 4 is executed, the Firmware Update Confirmation message (Fig. 8) is displayed. This screen displays the versions of the current firmware and the new update firmware.

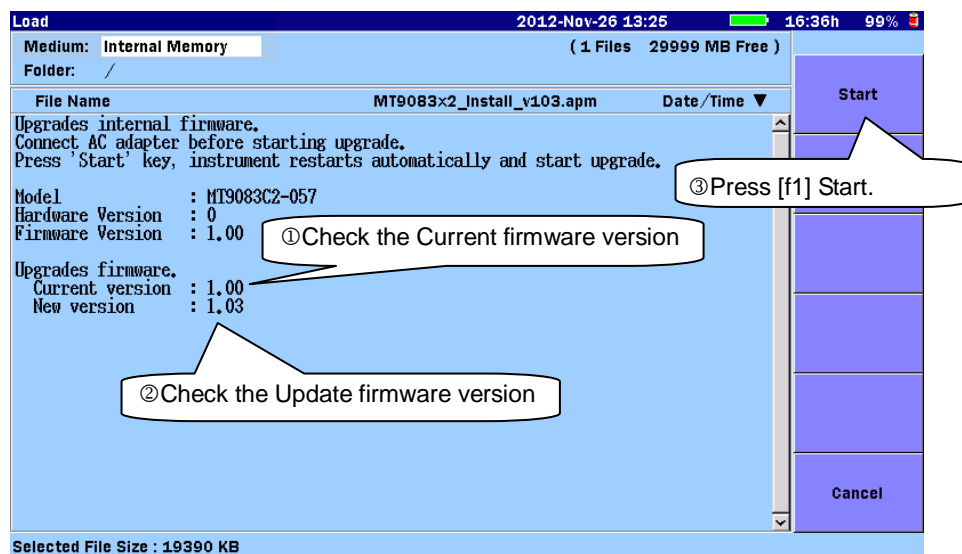


Fig. 8 Firmware Update Confirmation Screen

To start the firmware update, press **f1** (Start); to cancel it, press **f6** (Cancel).

When the checks of firmware update file successfully, the MT9083A2/B2/C2 restarts automatically.

Then, firmware will be updated.

The MT9083A2/B2/C2 will be restarted when complete the firmware update.

If the firmware update stalls midway, perform the following:

1. If the firmware update file is damaged, the following screen (Fig. 9) is displayed. In this case, press **f6** (Exit) to stop the update and then start over again from Step 1.

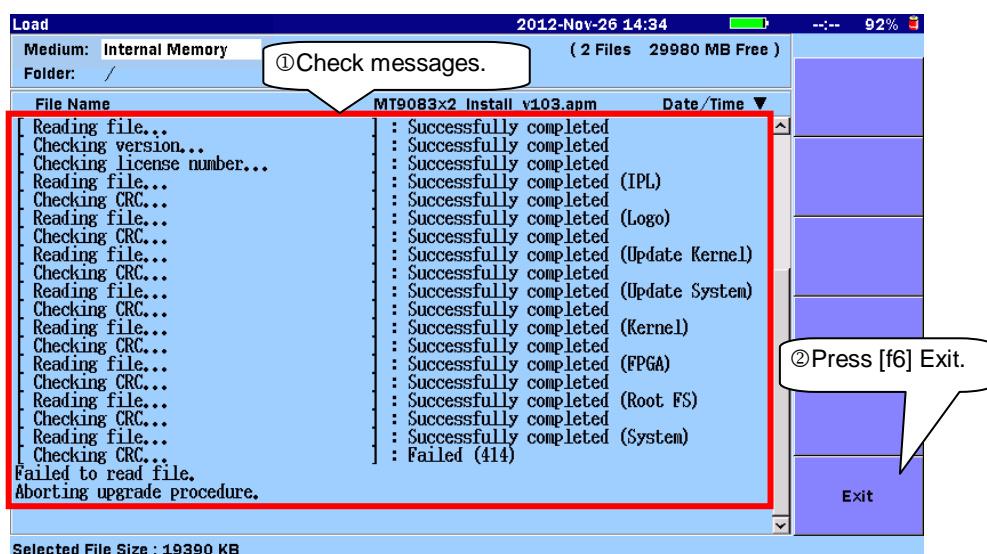


Fig. 9 Firmware Update Stop Screen

2. If the screen shown in Fig. 9 is not displayed, the MT9083A2/B2/C2 does not restart automatically, cut the power and restart from Step 2 above. (Press the MT9083A2/B2/C2 Power button for at least 10 seconds to forcibly shut down.)
  - (a) If the firmware cannot be updated after the restart, cut the power and contact our sales representative immediately.
  - (b) If the MT9083A2/B2/C2 will not restart, contact our sales representative immediately.



## Step 6: Checking firmware updated correctly

After the MT9083A2/B2/C2 restarts in Step 5, run the Self Test in Step 3 and check the firmware versions.

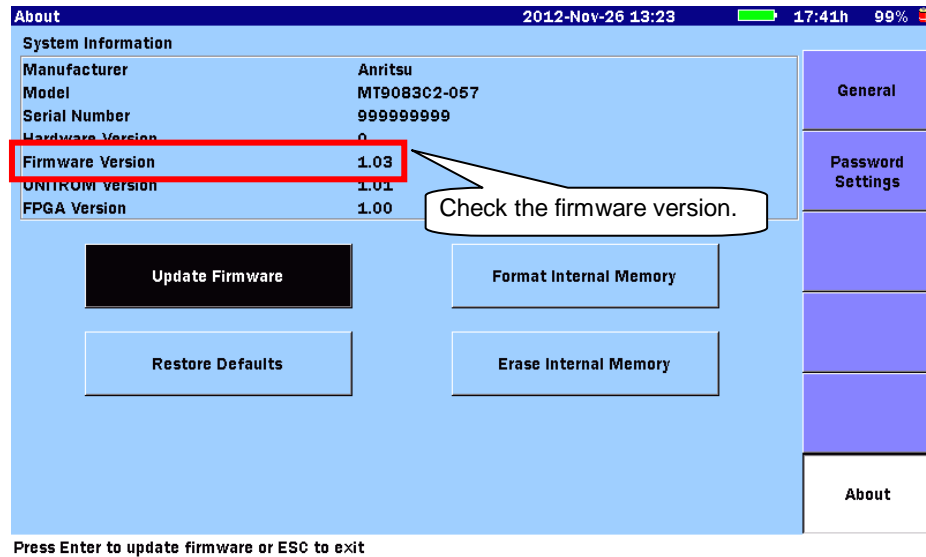


Fig. 10 About Screen

## Firmware Update Notes

- Download the newest firmware from the following URL.  
The newest version of the firmware can be downloaded from the following URL.  
➤ <http://www.anritsu.com/en-us/products-solutions/products/mt9083a2.aspx>
- Anritsu has confirmed compatibility with USB memory from the makers listed in the following table. If your USB memory is not recognized by the MT9083A2/B2/C2, please purchase one of the supported media types.

Manufacturer	Model/capacity
Biocryptodisk	ISPX/4GB
BUFFALO	RUF2-E1G-B / 1GB
	RUF2-J4GS-BK / 4GB
	RUF3-C16G-GR / 16GB
ELECOM	MF-SU204GBK / 4GB
I-O DATA	ToteBag / 1GB
	ToteBag / 4GB
	TB-OC4G/B / 4GB
Kingston	DataTraveler / 16GB
SiliconPower	LUXMINI / 2GB
	TOUCH 810 / 8GB
Sony	POCKET BIT / 512MB Turbo
	POCKET BIT / 8GB
Transcend	JetFlash / 256MB
TOSHIBA	TransMemory / 8GB

- NEVER remove the USB memory inserted into the MT9083A2/B2/C2 while updating, otherwise the firmware update will fail, leaving the MT9083A2/B2/C2 unable to restart.
- When updating the firmware, do not press any key on the MT9083A2/B2/C2, otherwise the firmware update may fail, leaving the MT9083A2/B2/C2 unable to restart.
- When updating the firmware, do not turn off the power to the MT9083A2/B2/C2, otherwise the firmware update will fail, leaving the MT9083A2/B2/C2 unable to restart.
- When updating the firmware, do not remove the AC adapter plug from the MT9083A2-/B2/C2, otherwise the firmware update may fail, leaving the MT9083A2/B2/C2 unable to restart.
- If the firmware update fails and the MT9083A2/B2/C2 cannot restart, please contact our Anritsu sales representative.