Anritsu Corporation
Product Solution Dept. Marketing Division

ANRITSU CORPORATION

MT9082x8 ACCESS Master Firmware Update Procedure (USB Memory)

Version 1

PSD1-1SG090020-00

Firmware Update Procedure

The Firmware Update Procedure is used to add new functions to the MT9082x8 and resolve any known problems. The MT9082x8 firmware is updated by installing the file released by Anritsu.

This document explains how to upgrade the firmware using USB memory.

Notes:

- BEFORE performing this firmware upgrade, ALWAYS read the MT9082x8 ACCESS Master Firmware Update Procedure (this document).
- Perform the upgrade with the AC adapter connected to the MT9082x8.

Step 1: Expanding file downloaded from Internet

The MT9082x8 firmware update file can be downloaded to a PC from the Firmware Download site at Anritsu's web page.

Download file name:

MX9082x8_vxxx_E.zip (xxx: Version; example: MX9082x8_v404_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) MT9082_Install_vxxx.apm (MT9082 firmware update file version xxx)
2) MT9082x8_DownloadManual_C.pdf (Download manual: this document)
3) MT9082x8_ReleaseNote_vxxx_E.pdf (Release notes)
4) Readme.txt (version information for expanded file)

Notes:

- Be sure to read the Release notes and confirm the firmware version of the MT9082x8 before running the update. If the MT9082x8 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 MT9082x8. For the details, read the Firmware Update Notes at the end of this document.

Step 2: Copying firmware update file (MT9082_Install_vxxx.apm) to USB memory

Copy the firmware update file (MT9082_Install_vxxx.apm) from the PC to the USB memory.

The copy procedure is described in the PC or USB memory instruction manual.

Step 3: Displaying firmware update screen

Press the “Top Menu” key at the bottom on the front panel to display the Top Menu screen (Fig. 1) and then press the **f1** “SelfTest” key to display the Self-test screen.

Fig. 1 Top Menu Screen

When the Selftest screen (Fig. 2) is displayed, check the firmware version and then press the **f5** “Update Firmware” key to display the Update Firmware screen.

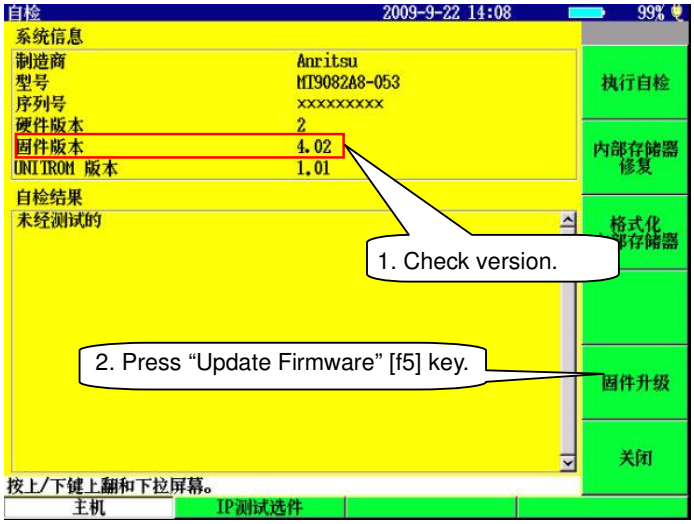

Fig. 2 Selftest Screen

Step 4: Reading install file

When the Selftest screen is displayed by pressing the **f5** "Update Firmware" key the Update Firmware screen (Fig. 3) is displayed. The default folder is Internal Memory. Plug the USB memory containing the copied firmware install file into MT9082x8.

If necessary, press the **F1** (Change Folder) key to change the folder.

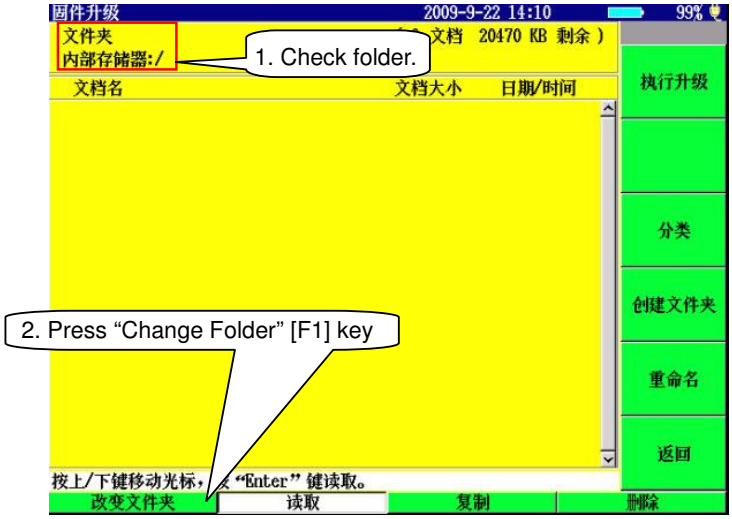

Fig. 3 Update Firmware Screen 1

When the Change Folder screen (Fig. 4) is displayed, select [USB Memory] using the Up and Down buttons. Press the **f1** (Change Folder) key [USB Memory] to confirm the download file path.

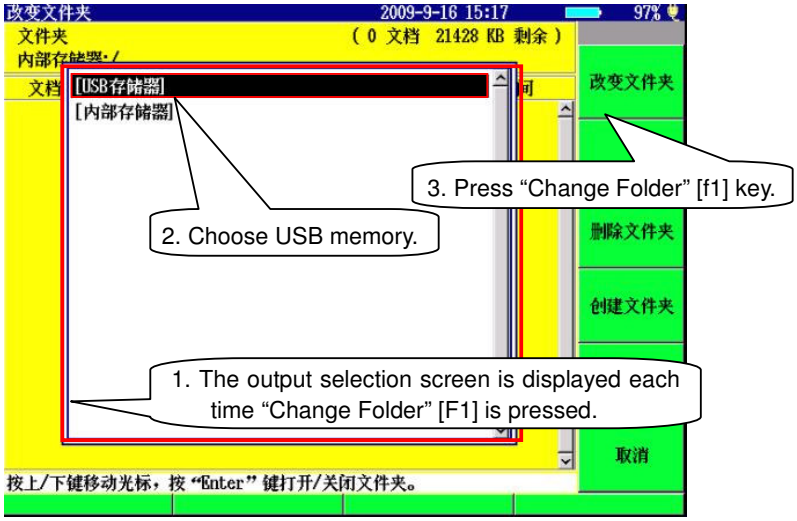

Fig. 4 Change Folder Screen

Check that the folder is changed to USB Memory as shown on the Update Firmware screen 2 (Fig. 5). If the firmware update file (MT9082_Install_vxxx.apm) is not in the folder created in USB memory, change the folder again to the folder with the file. Next, use the Up and Down buttons on the panel to choose the firmware update file and then press the **f1** (Perform Update) key.

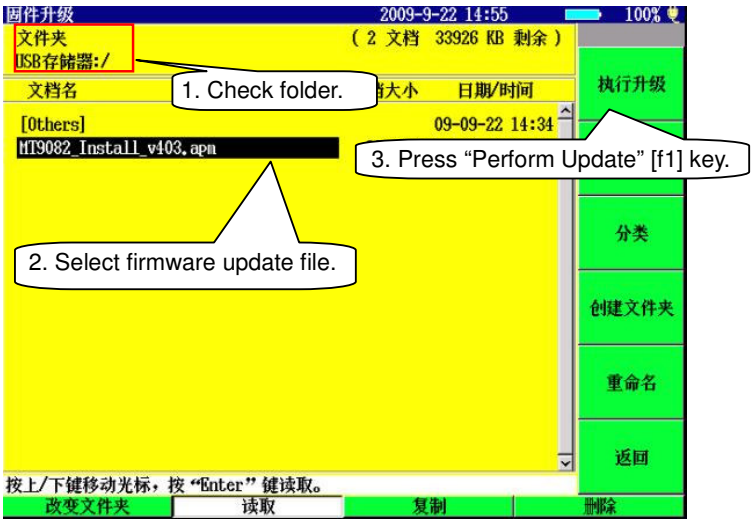

Fig. 5 Update Firmware Screen 2

Step 5: Updating firmware

When step 4 is executed, the Update Firmware Confirmation screen (Fig. 6) is displayed. This screen displays version information about the current firmware and the update firmware.

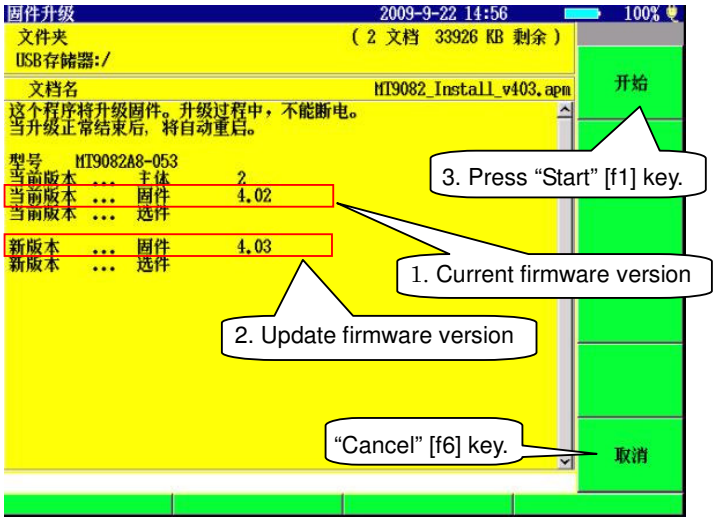

Fig. 6 Update Firmware Confirmation Screen

Either press the **f1** (Start) key to start the firmware update, or press the **f6** (Cancel) to stop the firmware update. When the firmware update starts, the Update Firmware screen (Fig. 7) is displayed automatically. (Once started, the update cannot be cancelled.) When the firmware update is completed successfully, the equipment restarts automatically. In addition, if firmware updating is not performed and the **f6** (Cancel) key is pressed, the Update Firmware screen 2 (Fig. 5) is displayed.

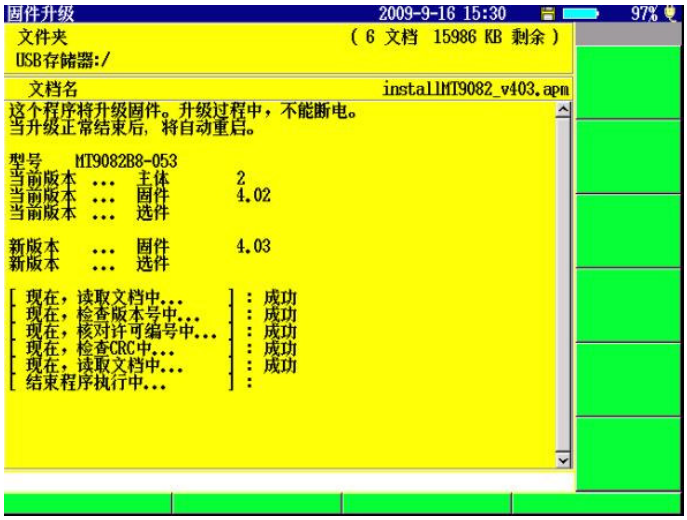

Fig. 7 Update Firmware Screen

If the firmware update stops during execution, take the following action.

1. If the firmware update file is damaged, the following screen (Fig. 8) is displayed. In this case, press the **f6** (Cancel) to cancel the firmware update and start over from step 1 after downloading a new firmware update file.

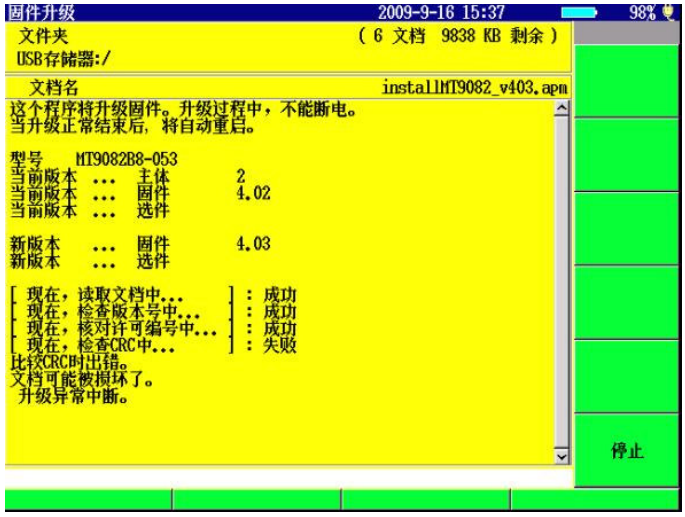

Fig. 8 Firmware Update Cancel Screen

2. If the screen shown in Fig. 8 is not displayed and the MT9082x8 does not restart automatically after 5 minutes have elapsed, switch off the power to the MT9082x8. Then, restart the MT9082x8 and perform the firmware update from step 3. (The MT9082x8 can be forcibly stopped by pressing the Power button continuously for 10 or more seconds.)
   (a) If the firmware update still cannot be performed after restarting, switch off the MT9082x8 power immediately and contact our Anritsu Service Representative.
   (b) If the MT9082x8 fails to restart, contact our Anritsu Service Representative.

Step 6: Checking that firmware updated correctly

After the MT9082x8 has restarted in step 5, confirm that the firmware has been updated by implementing the diagnostics. Press the (Top Menu) key to display the Top Menu screen (Fig. 9) and display the “Self-test” Screen by pressing the **f1** (Selftest) key.

Fig. 9 Top Menu Screen

When the Selftest screen (Fig. 10) is displayed, check the firmware version of the update. Next, press the **f1** (Perform Selftest) key.

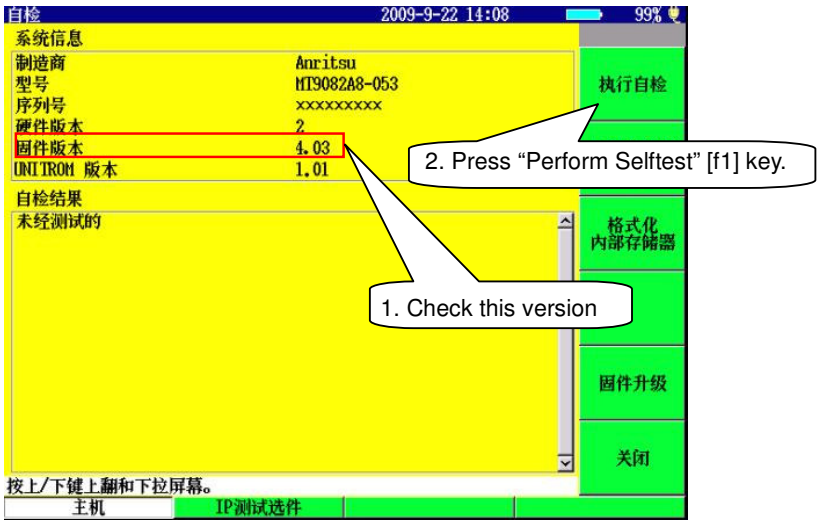

Fig. 10 Selftest Screen

When the Selftest Results screen (Fig. 11) is displayed, check that all the displayed items are ”Normal”. If any is displaying “Error”, refer to the Diagnostics Function item in the MT9082x8 Operation Manual. If the problem cannot be solved, turn off the power to MT9082x8 and call our Anritsu sales representative.

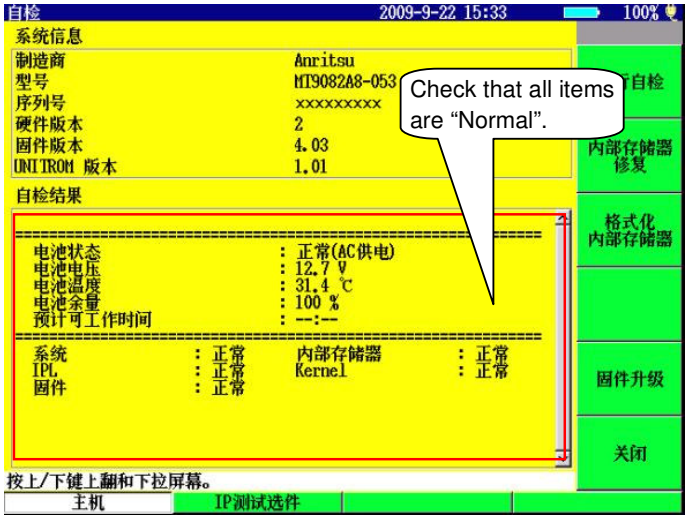

Fig. 11 Selftest Results Screen

This completes the procedure for updating the MT9082x8 firmware.

Firmware Update Notes

- Download the newest firmware from the following URL.

  The newest version of the firmware can be downloaded from the following URL.

  - https://www1.anritsu.co.jp/Download/MService/Login.asp

  However, site user registration is required first to obtain a Login ID and set a password.

- Anritsu has confirmed compatibility with USB memory from the makers listed in the following table. If your USB memory is not recognized by the MT9082x8, 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/512MB
I-O DATA	ToteBag/512MB
Scan Disk	Cruzer Micro with Skins USB Flash Drive/256MB
imation	Flash Drive Mini with swivel cap/256MB
Transcend	JetFlash ／ 256MB
Sony	POCKET BIT/8GB USM8GJ-B
I-O DATA	ToteBag/4GB TB-AT4G/B
BUFFALO	RUF2-J4GS-BK

- NEVER remove the USB memory inserted into the MT9082x8 while updating; otherwise the firmware updating may fail, leaving the MT9082x8 unable to restart.

- When updating the firmware, do not press any key on the MT9082x8, otherwise the firmware update will fail and the MT9082x8 may not be able to restart.

- When updating the firmware, do not turn off the power to the MT9082x8, otherwise the firmware update will fail and the MT9082x8 may not be able to restart.

- When updating the firmware, do not remove the AC adapter plug from the MT9082x8, otherwise the firmware update will fail and the MT9082x8 may not be able to restart.

- If the firmware update fails and the MT9082x8 cannot restart, please contact our Anritsu sales representative.