YAESU
The radio

FT-710
Firmware Upgrade Manual

Important

This firmware is provided for the FT-710.
Before downloading the software, please read the "Important Notes" carefully.
Downloading this firmware will indicate your agreement with the contents of the "Important Notes".
"Transceiver" is used hereafter to refer to the FT-710 transceiver.

Important Notes

❍ All responsibility in using this firmware lies with the customer. We cannot be held responsible in any way for damages or losses which may be incurred by the customer as a result of using this firmware.

❍ The transceiver settings must be reset immediately after updating the firmware. Resetting the transceiver will clear all memories and the setting data in the setting menu.
Before updating the firmware, it is recommended to back up the memory data saved in the memory channels and the setting data of the setting menu. Refer to "Saving Memory data and setting Menu data" described in the Operation Manual for the backup process.

❍ Copyrights and all other intellectual property rights for the firmware, as well as the manual, are the property of YAESU MUSEN CO., LTD.

❍ The revision and modification of this firmware is prohibited. Redistribution, transfer, and resale of downloaded files are also prohibited.

❍ Downloaded files are for personal use only.

❍ If assistance is needed to perform the firmware upgrade, please consult with one of our sales sites or service centers.

The transceiver settings mus be reset immediately after updating the firmware. Resetting the transceiver will clear all memories and the setting data of the setting menu.
It is recommended the memory data saved in the Memory Channels, and the setting data of the Setting Menu be backed up before updating the transceiver firmware. Refer to "Saving Memory data and setting Menu data" described in the Operation Manual for the backup procedure.
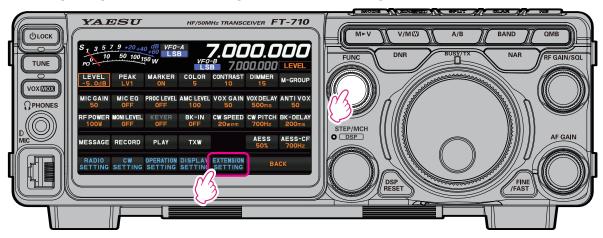

Regarding this Firmware

MAIN; DISPLAY; DSP; and SDR firmware are available for the FT-710 transceiver. Check the firmware version, and perform firmware upgrades when needed.

SD card preparation

Format (initialize) the SD card in advance with the FT-710 transceiver, before updating the firmware. For information about SD cards that can be used, and the formatting procedure, refer to "Using the SD Card" described in the Operation Manual.
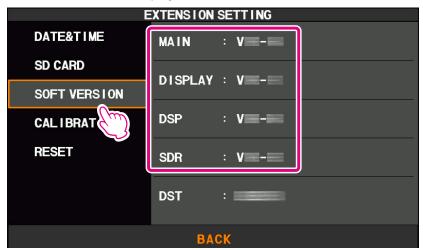
How to Confirm the Firmware Version

1. Press the [**FUNC**] knob, and then touch [**EXTENSION SETTING**].

2. Touch [**SOFT VERSION**].
   The versions of each firmware will be displayed on the TFT screen.

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Downloading the Firmware

1. Download the "**FT-710_Firmware_update_xxxxxx.zip**" compressed file from the YAESU website.
2. Unzip the downloaded file.

   Using a PC with Windows OS, right click on the downloaded "zip" file. The "**Extract All Contents Menu**" will extract the contents of the zip file into a new folder, and then open the new folder.

   The firmware file (extension is SFL) is in the "**FT-710_Firmware_update_xxxxxx**" folder that is generated at the time of extraction.
3. Copy the firmware to an SD card that has been previously formatted in the FT-710.

   Note: **Copy the file directly under the "FT-710" folder.** Do not copy it into the "Capture", "MemList" "Menu" or "PlayList" folder. If the file is copied to a location other than under the "FT-710" folder, the FT-710 cannot be updated, as it will not recognize the file.

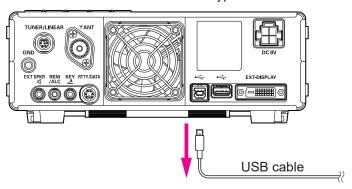   The folder configuration on the SD card formatted with FT-710 is shown below.

   📁 FT-710
   ├─ 📁 Capture
   ├─ 📁 MemList
   ├─ 📁 Menu
   ├─ 📁 PlayList
   └─ FT-710_MAIN_Vxxxx.SFL ← Copy the firmware file to this location.
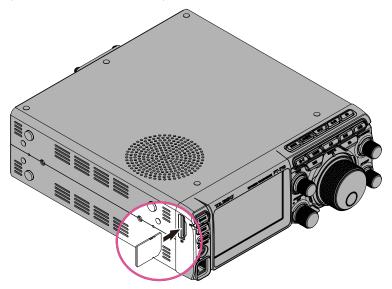   FT-710_DISPLAY_Vxxxx.SFL

How to Update the Firmware

> ## Note
>
> First, update the "**DISPLAY**" firmware and then update the "**MAIN**" or other firmware. If the MAIN firmware is updated first, the transceiver may not work properly. In that case, make sure the USB cable is disconnected from the FT-710 Type- B USB, and start the firmware update over from step 1 below.
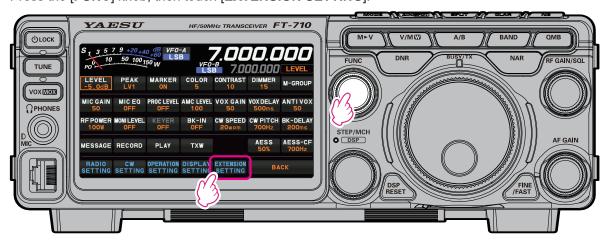
1. Turn the transceiver **OFF**.

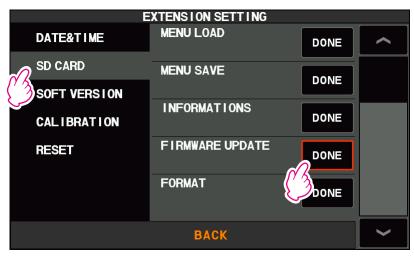2. The USB cable must be disconnected from the FT-710 Type-B USB Jack.

USB cable

3. Insert the **SD card**, written with the firmware, into the SD card slot.

4. Turn the transceiver **ON**.

5. Press the [**FUNC**] knob, then touch [**EXTENSION SETTING**].

6. Touch [**SD CARD**].

7. Rotate the [**FUNC**] knob to display the "FIRMWARE UPDATE" item, then touch [**DONE**] on the [**FIRMWARE UPDATE**] item.

8. A list of firmware stored on the SD card is displayed.

- "✓":   Indicates firmware to be updated.

  If the firmware is newer than the firmware in the transceiver and it is not marked "✓", touch the □ box to mark "✓".

- Ready: Indicates updateable files

  The same version as the firmware in the transceiver. Ready is also displayed when the update is not necessary.
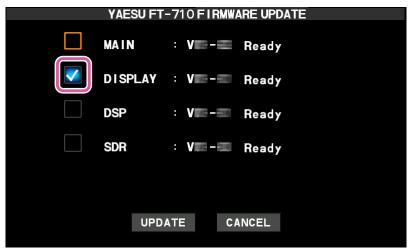
- (Broken file):   Indicates the file is corrupted for some reason.

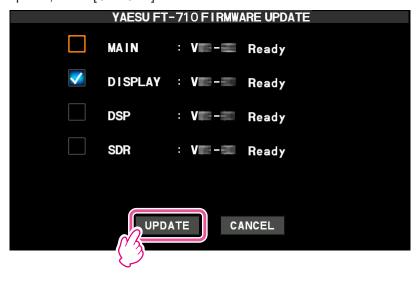 Download the firmware file from the YAESU website again and try again from the beginning.

- (No such file):   There is no target firmware on the SD card.
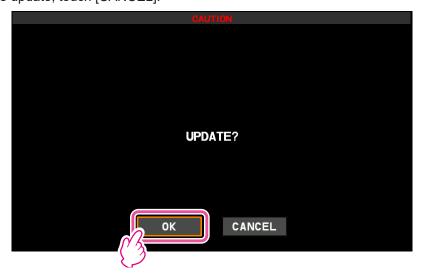
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Update DISPLAY firmware

1. Touch the ☐ box to mark "✓" on the "**DISPLAY**" firmware.
    *   If the "**DISPLAY**" firmware has already been updated, proceed to "Update MAIN, DSP and SDR firmware" (Page 7).
2. Touch the ☐ box to remove any "✓" mark on firmware other than "**DISPLAY**".

3. Touch [**UPDATE**] to display the update confirmation screen.
    *   To cancel the update, touch [CANCEL].

4. Touch [**OK**] to update the firmware.
    *   To cancel the update, touch [CANCEL].

5. The update progress indicator is displayed when the firmware transfer begins.
   • Please wait until the process has been completed.

<div style="border:1px solid #999; background:#eee; padding:10px;">
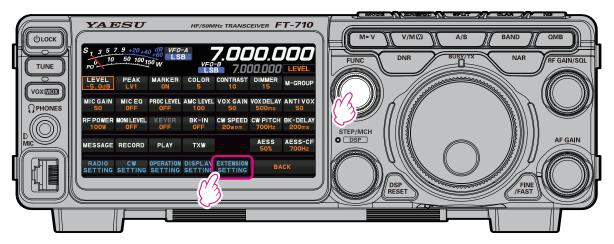
Caution!

Do not remove the SD card or turn the transceiver OFF while updating. If the update is interrupted the transceiver will not operate properly. In that case, follow the instructions on the screen, and start again from step 1 (Page 4).
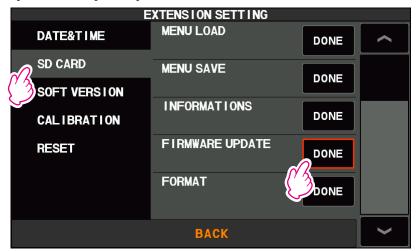
</div>

6. When the update is complete, the power is automatically turned OFF.
   • Continue to update the MAIN and other firmware.
   • If the "**MAIN**" and other firmware have already been updated, proceed to "**Reset the transceiver**" (Page 9).

Update MAIN, DSP and SDR firmware

1. Turn the transceiver **ON**.

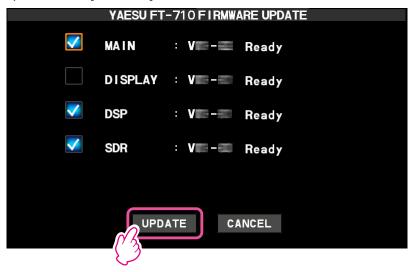2. Press the [**FUNC**] knob, then touch [**EXTENSION SETTING**].

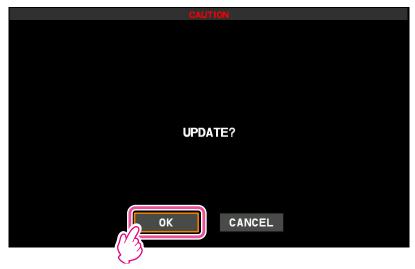3. Touch [**SD CARD**], then touch [**DONE**] on the "FIRMWARE UPDATE" item.

4. Touch the ☐ box to mark "✓" on the "**MAIN**" firmware, mark any other firmware that needs updating.
    • Only selected firmware is updated.
5. Touch the ☐ box to remove the "✓" mark on the "**DISPLAY**".

6. Touch [**UPDATE**], a confirmation screen to execute the update will be displayed.
    • To cancel the update, touch [**CANCEL**].

7. Touch [**OK**] to update the firmware.
    • To cancel the update, touch [**CANCEL**].

8

8. The update progress indicator is displayed when the firmware transfer begins.
   • Please wait until the process has been completed.

<div style="border:1px solid #000;padding:10px;background:#ddd;">
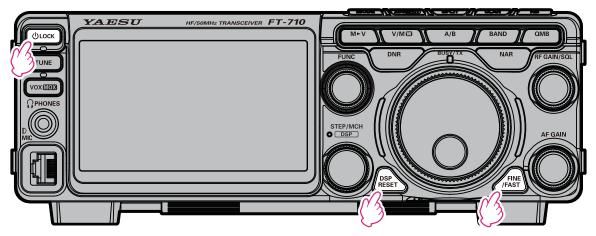
Caution!

Do not remove the SD card or turn the transceiver OFF while updating. If the update is interrupted the transceiver will not operate properly. In that case, follow the instructions on the screen, and start again from step 1 (Page 4).

</div>

9. When the update is complete, the power is automatically turned OFF.

Reset the transceiver

1. Press and hold the [**DSP RESET**] key, the [**FINE/FAST**] key, and the **POWER** switch to turn the transceiver **ON**.
   • The frequency display will return to "7.000.000".

This completes the firmware upgrading process.

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