

Firmware update instructions

Thank you for using the Icom Download Service.

General

If desired, you can update your IC-7100's firmware. Updating the firmware adds new function(s) and improves performance. are required:

NOTE: The des dows 8. The descriptions in this guide are based on Win-

♦ System requirement

One of the following operating systems and other items

Operating System (OS)

Microsoft® Windows® 8 (32/64bit) (Except for Microsoft® Windows® RT) Microsoft[®] Windows[®] 7 (32/64bit) Microsoft® Windows Vista® (32/64bit) Microsoft[®] Windows[®] XP (32bit)

Others

USB cable (supplied with IC-7100) A USB 1.1, 2.0 or 3.0 port

Procedures

These instructions describe the firmware update procedures assuming that the update tool has already been downloaded from the Icom website ([Support]→"Firmware Updates/Software Downloads")*. *The locations may change without notice or obligation.



Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia and/or other countries.

Microsoft, Windows and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries

All other products or brands are registered trademarks or trademarks of their respective holders.

USB driver installation

- NEVER connect the transceiver to the PC with
- CAUTION: NEVER c the USB c been com The drive automatic the USB cable until the USB driver installation has been completed.
- The driver is not supported by the Windows®
- automatic recognition system.

To use the USB cable between the transceiver and the PC, you must first install a USB driver.

 The USB driver comes with the CS-7100, CS-9100 or RS-BA1. Or you can download it from the Icom website.

NOTE: When you the firmware upd find the name, "S UART Bridge (Dr screen, as shown the latest driver. NOTE: When you use a PC with a USB 3.0 port for the firmware update, confirm the driver name. If you

- find the name, "Silicon Laboratories CP210x USB to
- UART Bridge (Driver Removal)" on the Control Panel
- screen, as shown below, uninstall it and then install

Programs and Features v C Search Prog Control Panel Home Uninstall or change a program View installed updates tall a program, select it from the list and then click Uninstall, 🚱 Turn Windows features on or Organise Publisher Name Silicon Laboratories CP210x USB to UART Bridge (Driv., Silicon Labo

You can download the latest driver and installation guide from the Icom website:

http://www.icom.co.jp/world/index.html

Read the installation guide before installing the driver.

Firmware update tool

Decompress the "7100_firmup_release_e * .zip" that you downloaded from the Icom website.

A "7100_firmup_release_e *" folder will be created in the same place where the downloaded file is saved, and the "7100_fu_release_e * .exe" file will be included.

• "*" stands for the release number.

Caution

CAUTION: NEVER turn OFF the transceiver power while updating the firmware.

If you turn OFF the transceiver power, or if a power failure occurs while updating, the transceiver firmware will be corrupted. In that case, try to update the firmware again, referring the ' Update failure' on page 7. If the transceiver's firmware is still corrupted, you will have to send the transceiver back to the nearest Icom distributor for repair. This type of repair is considered out of warranty, even if the transceiver warranty period is still valid.

✓ Recommendation!

Before starting the firmware update, we strongly recommend that you back up all the transceiver's data onto an SD card, or to the PC.

Settings and/or memory contents will be lost or returned to their default settings when the firmware update is performed.

Firmware update

Make sure Windows has completed its start-up, and no other applications are running.

- ① Double-click the "7100_firmup_release_e*" folder that contains the firmware update tool.
 - "*" stands for the release number.
- ② Double-click "7100_fu_release_e*.exe" to start up the firmware update tool.
 - The window appears as shown to the lower right.

③ Carefully read the caution in the window. If you agree, click [Yes] to continue the firmware update.

	7100_firmup_release_
File Home Share	View
🖻 🕣 = 🕇 🏭 🕨 7100 <u>-</u> 1	firmup_release_e
🙀 Favourites	Name Double-click
E Desktop	📾 7100_fu_release_e1.exe
Becent places	RadioSch.dll RadioSch.ini
ІСОМ	IC-7100 HF/VHF/UHF TRANSCEIVER
Сом	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update
Сом	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update Release E
Сом	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update Release E1
Updaling the involves in very rider operate propety, and repost of and	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update Release El CAUTION Fycurnelia anticlea (He IC 7100 may net condestor articular, may be recorded)
Piccom	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update Release E CAUTION Figure a monthle, the IC 700 magnet conductor of them to responsibility. Firmware at your own risk and responsibility. Soad homepage and/or the instruction manual for
You undertake the updating of the Please refer to the firmware downlot the correct procedures. Also, all previous settings, the merem making a firmware update.	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update Release E Condestor and the IC 700 may net condestor a Looming, may be necessary firmware at your own risk and responsibility, pad homepage and/or the instruction manual for nory contents, and other data will be lost when
You undertake the updating of the Please refer to the firmware downlot the correct procedures. Also, all previous settings, the merr making a firmware update.	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update Release E CAUTION
You undertake the updating of the Please refer to the firmware downlo the correct procedures. Also, all previous settings, the mer making a firmware update.	IC-7100 HF/VHF/UHF TRANSCEIVER Firm Update Release El CAUTION Formation in the IC 700 may release El CAUTION Formation in the IC 700 may release to deserve and the IC 700 may release to deserve an

/100 firmup (

Solution on the next page.

- Firmware update (Continued)
- ④ The dialog box to the right appears.

First, turn OFF the transceiver power, and then connect the USB cable between the transceiver and the PC, as shown below.

CAUTION: When updating the firmware, **NEVER** connect anything to the [REMOTE] jack. This may damage the transceiver.





NOTE: Be sure to check the USB cable connector shape.

- 5 While holding down AUTO TUNE RESS, XFC and DR, push [PWR] to turn ON the power.
 - The display shows the Firmware update mode, and the TX/RX LED blinks green.



- ⓒ Click [OK] in the dialog box, as shown to the right.
 - If "No Answer from the IC-7100" dialogue box appears, see '■ If "No Answer from the IC-7100" appears' on page 6 for details.



Firmware update mode display

IC-71	00 Firm Update (Release E I)
CAUTION When updaling	he broke NEVER connect as extend device, such
Connect the IC-7100 and the While holding down (AUTO ON. Then please check the RX	te PC using with the USB cable. ITUNE], [XFC] and [DR], push [POWER] to turn power indicator is blinking.

Solution Continued on the next page.

■ Firmware update (Continued)

T The dialog box to the right appears. Click [Yes], if you want to start the firmware update.

WARNING! NEVER turn OFF the transceiver power or disconnect the cable until the update is completed. The transceiver firmware will be corrupted.

- 8 The window shows the firmware updating.

IC-7100 F	Firm Update (Release E)
Updating the firmware. It will take	e approx. 4 minutes.
Do you wish to start the firmware	update?
-	Click to start the firmware update
	Yes
24% - IC-710	00 Firm Update (Release E)
24% - IC-710 Updating the firmware in MAIN C Please wait a while	00 Firm Update (Release E) PU.
BB NOT then the IC-7108 power	077
	1

MAIN CPU firmware update window

Depending on the firmware, the number of windows that sequentially appear may differ.

IC-7100 Firm Update (Release E) Firmware updating is completed. Click to finish the firmware update. OK

(9) The dialog box to the right appears. Click [OK] to finish the update.

• The transceiver automatically reboots. After turning OFF the transceiver, disconnect the USB cable.

♦ Version confirmation

You can confirm the firmware version by doing the following steps.

- 1) Push SET to enter the Set mode.
- (2) Touch the "Version" item of the "Others" Set mode. Others > Information > Version
 - If the specified item is not displayed, touch [▲] or [▼] one or more times to select the page.
- (3) Confirm the current version is as shown in the screen to the right.
- 4 Push SET to exit the Set mode.

≣ VERSION	_1/1 ≣
CPU M . S . C . DSP I . D .	▲ ▼

■ If "No Answer from the IC-7100" appears

If the screen as shown to the right appears, click [Cancel] to cancel the firmware update tool. Then, check the following, and repeat step (2) on page 3 of these instructions.

- Is the USB driver correctly installed?
- Is the USB cable correctly connected to the transceiver and the PC?
- Does the transceiver enter the Firmware update mode?
- Do you use a PC with USB 3.0 port for the firmware update? If so, you must install a latest USB driver. See page 2 ' USB driver installation' for details.

Before installing the latest driver, read "Before installation" described on page 2 of the installation guide.



■ If the transceiver is already updated

If the screen as shown to the right appears, click [OK] to cancel the firmware update tool.

• The transceiver exits the Firmware update mode, and then automatically reboots. Turn OFF the transceiver, and then disconnect the USB cable.

IC-7100 Firm Upd	late (Release EII)
This update is not needed.	
	Click

Update failure

• MAIN CPU or CONTROLLER CPU update failure

- 1 If a power failure or loose cable connection occurs while updating the MAIN CPU or CONTROLLER CPU firmware, one of the dialog boxes to the right appears.
- 2 Turn OFF the DC power supply of the transceiver, and then turn it ON again.
 - The transceiver automatically turns ON with a blank display, and the TX/RX LED blinks. (Firmware update mode)
- 3 Click [OK] to finish the firmware update, then restart the IC-7100 Firmware update tool again.
- 4 Repeat '■ Firmware update' on pages 3 to 5.
 - Follow the procedures from step 2.
 - The USB cable is already connected, so skip the USB cable connection in step ④.
 - The transceiver is already powered ON with the Firmware update mode, so skip step (5).



• SUB CPU or DSP update failure

- 1 If a power failure or loose cable connection occurs while updating the SUB CPU or DSP firmware, one of the dialog boxes to the right appears.
- 2 Turn OFF the DC power supply to the transceiver, and then turn it ON again.
- 3 Hold down [PWR] for 1 second to turn OFF the power.
- 4 Click [OK] to finish the firmware update, then restart the IC-7100 Firmware update tool again.
- 5 Repeat '**Firmware update**' on pages 3 to 5.
 - \bullet Follow the procedures from step (2).
 - The USB cable is already connected, so skip the USB cable connection in step ④.

