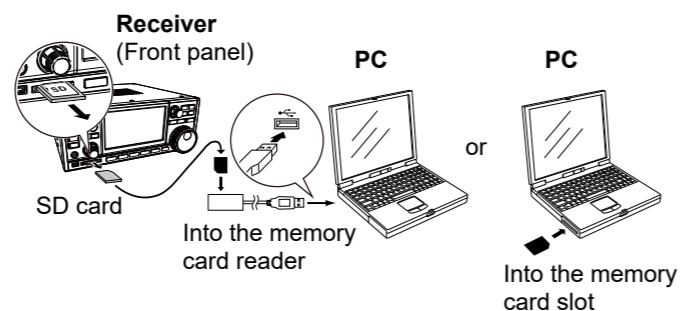## Using an SD card

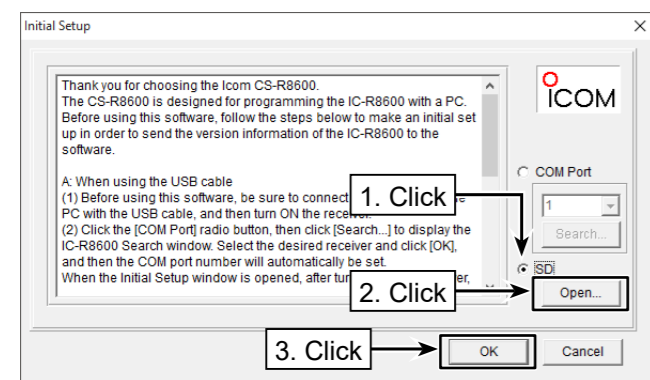### Saving the setting data onto a PC

1. Save the receiver's setting data in the "ICF" file format onto the SD card.
   ⓘ See the IC-R8600 instruction manual for details.
2. Turn OFF the receiver, and remove the SD card.
3. Insert the SD card into the PC's card slot or an external card reader, as shown to the right.
4. Copy the receiver's setting data (ICF file), stored in the "Setting" folder of the SD card to a PC local folder.
   ⓘ See "Saving the setting data onto an SD card" on how to access the "Setting" folder.

Receiver (Front panel)

PC   or   PC

SD card

Into the memory card reader

Into the memory card slot

Initial setup window

When you start the CS-R8600, the Initial Setup window is displayed. Before using the software, follow the steps below to make an initial setup to send the receiver version information.

TIP: If you want to make the initial setup again, select "CS-R8600 Initial Setup" in the Windows Start menu. ((Windows logo) > START > CS-R8600 > CS-R8600 Initial Setup)

Initial Setup

Thank you for choosing the Icom CS-R8600.
The CS-R8600 is designed for programming the IC-R8600 with a PC.
Before using this software, follow the steps below to make an initial set up in order to send the version information of the IC-R8600 to the software.

A: When using the USB cable
(1) Before using this software, be sure to connect PC with the USB cable, and then turn ON the receiver.
(2) Click the [COM Port] radio button, then click [Search...] to display the IC-R8600 Search window. Select the desired receiver and click [OK], and then the COM port number will automatically be set.
When the Initial Setup window is opened, after turn...

○ COM Port
1. Click
Search...
2. Click
● SD
3. Click
Open...
OK   Cancel

1. Click "SD" radio button.
2. Click <Open...> to display the data file selection window.
   Select the setting data (ICF file) copied from the receiver in "Saving the setting data onto a PC," as described above.
3. Click <OK> to open the cloning screen and read the selected file.
4. Program each setting for each function, using the CS-R8600.
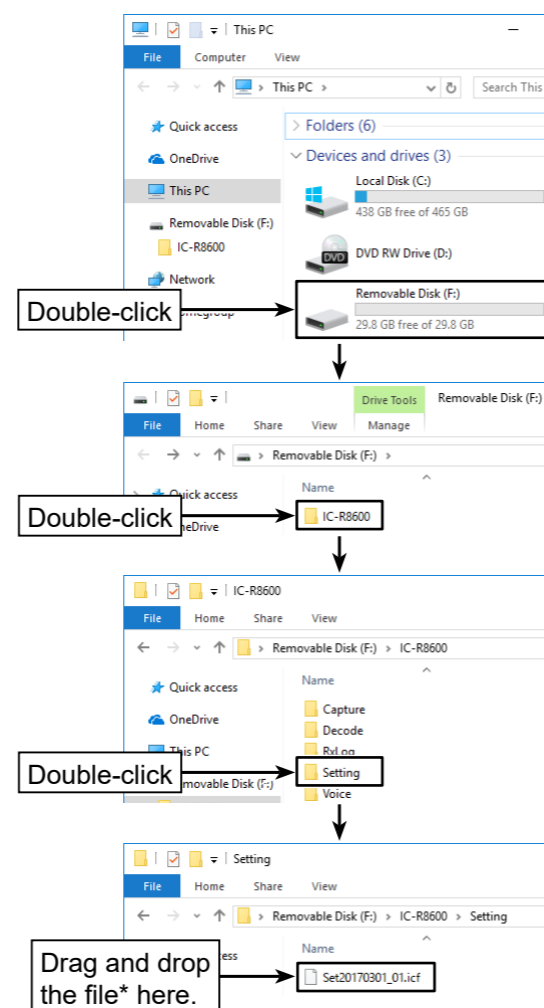   ⓘ See the CS-R8600 Help file for assistance.

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Saving the setting data onto an SD card

To load the setting data into the receiver, copy the setting data (ICF file) into the "Setting" folder in the "IC-R8600" folder on the SD card, as shown below.
ⓘ See the IC-R8600 instruction manual on how to load the setting data into the receiver.

Double-click

Double-click   IC-R8600

Double-click   Setting

Drag and drop the file* here.   Set20170301_01.icf

* You can enter a file name of up to 15 characters.

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ICOM   INSTRUCTIONS

CLONING SOFTWARE
CS-R8600

System requirements   (As of December 2024)

The following hardware and software are required:

Operating System (OS)
• Microsoft Windows 11 (64bit)
• Microsoft Windows 10 (32/64bit)
ⓘ Except for Windows on ARM, such as Windows RT.
ⓘ The instructions are based on using Microsoft Windows 10.

USB port
• USB 1.1, 2.0, or 3.0 port

Select either of the following cloning methods:

Through a USB cable
• USB cable (A-mini B or A-B type, User supplied)
ⓘ Depending on the length of a third-party USB cable, the receiver may not operate properly even if it is recognized by the PC. Use as short a cable as possible.

With a memory card
• SD card (User supplied)
ⓘ A memory card reader or memory card slot is required for reading.

USB driver installation

CAUTION:
• **DO NOT** connect the receiver to the PC with 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 receiver and a PC, you must first install a USB driver.
The USB driver comes with the CS-R8600. You can also download it from the Icom website.

The latest driver and installation guide can be downloaded from here:
https://www.icomjapan.com/support/firmware_driver/
Read the installation guide before installing the driver.

About an SD card

Icom has checked the compatibility with the following SD and SDHC cards.   (As of December 2024)

Brand	Type	Capacity
SanDisk	SD	2 GB
	SDHC	4/8/16/32 GB

ⓘ Through the rest of this document, the SD card and SDHC card are simply called SD cards.
ⓘ The SD cards listed above are usable with the IC-R8600, but their specifications are not guaranteed by Icom.

NOTE:
• The SD and SDHC cards are not supplied by Icom. (User supplied)
• If you use a brand new SD card, first format the card using the receiver. See the IC-R8600 instruction manual for details on the formatting procedure.

Programming information

• To prevent data loss, you should first read the receiver setting data into the CS-R8600, or copy the setting data (ICF file) of the SD card to the PC, and read the data into the CS-R8600. Then edit or enter new software parameters.
• Before editing or entering new data, make a backup file onto your PC. A backup file enables easy restoring even if the setting data is accidentally deleted.
• While reading or writing (uploading) the data through the USB cable, **NEVER** turn OFF the receiver or the PC, and **NEVER** disconnect the USB cable. Otherwise, the data could be lost or deleted.
• While reading or writing the data to or from the SD card, **NEVER** remove the SD card or turn OFF the receiver. Otherwise, the data could be corrupted or the SD card could be damaged.

TIP: Refer to the software's Help file of the cloning software for assistance with the functions or settings. To open the Help file, click "Help" in the top menu of the cloning software and select "Contents," or simply push the [F1] key of the PC's keyboard.

Disclaimer

• The included USB flash drive does not have the Write Protection, so formatting it will erase all data. Also, USB flash drives have a certain lifetime and you may not be able to read or write data after a long period of use. We recommend making a backup file of the data on the USB flash drive onto another device.
• Icom is not responsible for any lost profits, or data, or consequential, special, indirect, or incidental damages.

FCC information

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 • Reorient or relocate the receiving antenna.
 • Increase the separation between the equipment and receiver.
 • Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 • Consult the dealer or an experienced radio/TV technician for help.

Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.

About CE

Versions of the CS-R8600, which have the "CE" symbol on the product, comply with the essential requirements of the EMC Directive, 2014/30/EU and RoHS Directive, 2011/65/EU.

Below statement is for UKCA purpose only

United Kingdom Authorised Importer: Icom (UK) Ltd. Address: Blacksole House, Altira Park, Herne Bay, Kent, CT6 6GZ, U.K.

To obtain the UKCA Declaration of Conformity, please contact Icom UK Limited by email at info@icomuk.co.uk or alternatively call + 44(0) 1227 741741.

Software installation

ⓘ When installing the software, confirm Windows has completed its startup, and then sign in as the **administrator**.

1. Confirm no other applications are running.
2. Insert the USB flash drive into the PC.
3. Double-click the "setup.exe" stored in the "CSR8600" folder on the USB flash drive.
   ⓘ If "User Account Control" is displayed, click <Yes> to continue.
4. "Choose Setup Language" is displayed. Select 'English' (or 'Japanese') and then click <Next>>.
5. "Welcome to the InstallShield Wizard for CS-R8600" is displayed. Click <Next>>.
6. "User Information" is displayed. Enter your name, your company name (optional), and the product ID number, as described below. After entering, click <Next>>.

Example:
When the serial number is XXXXXX*, enter "385411-XXXXXX" as the product ID number.
* XXXXXX is shown as an example only, and is not valid.

(Hyphen)

Product ID: 385411-XXXXXX

Fixed   6 digit serial number

Click

 • Product ID: 385411-(6 digit serial number)
 • The serial number is on the label of the USB flash drive.

CS-R8600
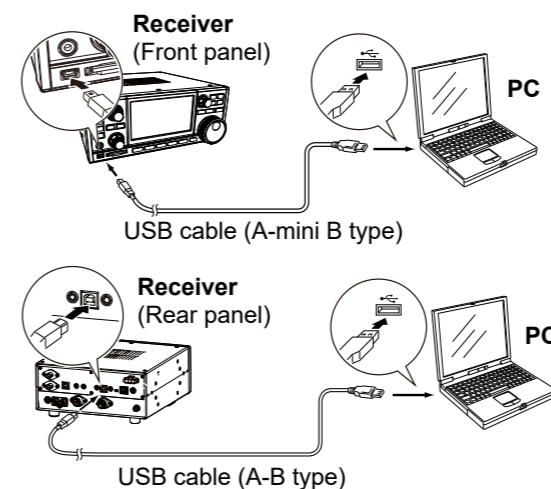SERIAL NO.   XXXXXX

7. "Choose Destination Location" is displayed. After confirming the "Destination Folder," click <Next>>.

Confirm

Click

ⓘ If desired, click <Browse...> to select another destination folder before clicking <Next>>.
8. After the installation has completed, "InstallShield Wizard Complete" is displayed. Click <Finish>.

Using a USB cable

Connection

1. Turn OFF the receiver.
2. Connect the USB cable, as shown below.

Receiver (Front panel)

PC

USB cable (A-mini B type)

Receiver (Rear panel)

PC

USB cable (A-B type)

3. Turn ON the receiver.

Initial setup window

When you start the CS-R8600, the Initial Setup window is displayed. Before using the software, follow the steps below to make an initial setup to send the receiver version information.

TIP: If you want to make the initial setup again, select "CS-R8600 Initial Setup" in the Windows Start menu. ((Windows logo) > START > CS-R8600 > CS-R8600 Initial Setup)

Confirm that the receiver is connected to the PC with the USB cable and the receiver is turned ON.

1. Click
2. Click
3. Click

1. Click "COM Port" radio button.
2. Click <Search...> to display the IC-R8600 Search window.
   Select the appropriate receiver and click <OK>.
    • The COM port number will be set in the input field.
3. Click <OK> to open the cloning screen.

Cloning operation

Follow the steps below to write the setting data that is edited with the CS-R8600 to the receiver using a USB cable.

1. Click 📥, or select "Read <- Receiver" in the <Clone> menu to read the data from the receiver.
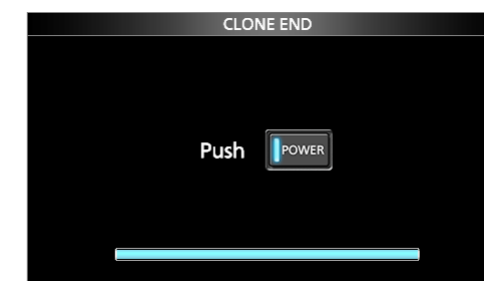
CLONE OUT

While reading from the receiver

TIP: If you have an ICF file to write to the receiver, click 📂 or select "Open... Ctrl+O" in the <File> menu, and then select the file.

2. Set each setting for each function using the CS-R8600.
   ⓘ See the CS-R8600 Help file for assistance.

3. Click 📤, or select "Write -> Receiver" in the <Clone> menu to write the setting data to your receiver.

NOTE: Writing the setting will overwrite the current setting data on the receiver.

CLONE IN

While writing to the receiver

▼

CLONE END

Push POWER

Writing completed

4. After the writing is completed, turn OFF the receiver, then turn it ON again to operate it with the edited setting data.