

IC-7700

Firmware information— Ver. 2.10

Thank you for using the Icom Download Service.

The Version 2.10 firmware update will provide the following additional functions or changes to your transceiver.

The first time you update, thoroughly read the Section 16 (UPDATING THE FIRMWARE) of the IC-7700's instruction manual.

IMPORTANT!

Make a backup file of the transceiver's settings, such as stored memory channels, filter settings, to the USB flash drive before updating the firmware.

The CPU will be automatically reset when the firmware update is performed; the transceiver's memory contents will be cleared and ALL settings will be returned to their default settings.

See Section 12 '■ File saving' in the IC-7700 instruction manual, for details.

■ Additions and changes

- ➔ Adds new features in the Others set mode.
 - CI-V Output (for ANT) (See below)
- ➔ Changes the default value of SEND Relay Type in the ACC set mode. (See below)
- ➔ Adds a new option in the SAVE Form item in the Save option set mode. (p. 2)
- ➔ Adds some CI-V commands. (p. 2)
- ➔ Changes the description of some CI-V commands. (p. 3)

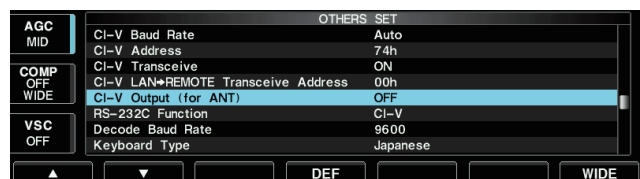
■ Additional features in the Others set mode

Adds the following items in the Others set mode.

◇ CI-V Output (for ANT)

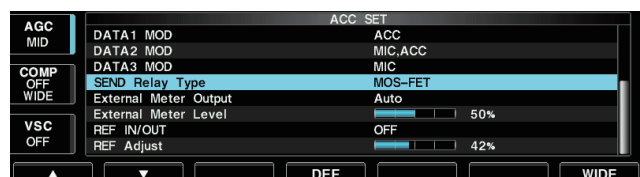
Enables to output the antenna controller status (frequency and so on) from the [REMOTE] jack.

- OFF: Turns OFF the function. (default)
- ON: Outputs the status.



■ Default value of the SEND Relay Type item

The default value of the SEND Relay Type item in the ACC Set mode is changed to "MOS-FET."



■ New option for the SAVE Form item

Adds a new option, “Old Ver (2.00),” for the SAVE Form item in the Save option set mode.

- The firmware versions are shown in brackets, and you can select the desired version by rotating the main dial. The file will be saved in the selected version.

- Now Ver: Saves the file in the current firmware version format.
- Old Ver (2.00): Saves the file in the firmware version 2.00 format.
- Old Ver (1.20–1.21): Saves the file in the firmware version 1.20 to 1.21 format.
- Old Ver (1.10–1.12): Saves the file in the firmware version 1.10 to 1.12 format.
- Old Ver (1.00–1.04): Saves the file in the firmware version 1.00 to 1.04 format.



Added

NOTE:

- You cannot write the setting file that is saved in the current version format to an older firmware version transceiver.
- If the settings are saved in an older version format, the items added in version 2.10 or later are not saved.

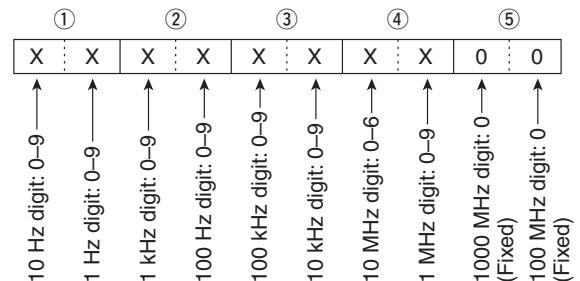
■ Additional CI-V commands

The following commands are added to the command table.

Cmd.	Sub Cmd.	Data	Description
15	05	00	Read noise, S-meter squelch TSQ or VSC status (squelch close).
		01	Read noise, S-meter squelch TSQ or VSC status (squelch open).
1A	05	0224	Send/read antenna controller status (frequency, and so on) data output from [REMOTE] (00=OFF, 01=ON).
1C	03	See to the right	Read transmit frequency. When “CI-V Output (for ANT)” (Command: 1C 04) is set to “ON,” automatically outputs when changed.
	04	00	Send/read command to disable to output the antenna controller status (frequency and so on) from [REMOTE].
		01	Send/read command to enable to output the antenna controller status (frequency and so on) from [REMOTE].
25		See to the right	Send/read the selected or unselected VFO frequency.
26		See p. 3	Send/read the selected or unselected VFO's operating mode and filter.

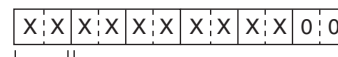
• Operating frequency

Command: 1C 03



• Selected or unselected VFO's frequency settings

Command: 25



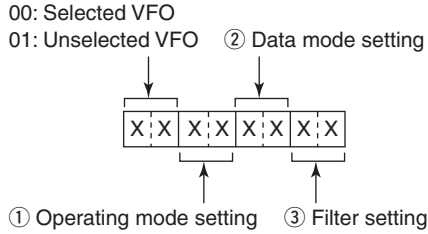
00: Selected VFO
01: Unselected VFO

■ Additional CI-V commands (Continued)

• Selected or unselected VFO's operating mode and filter settings

Command: 26

Both data and filter settings can be skipped. In that case, "DATA OFF" and the default filter setting of the operating mode is automatically selected.



① Operating mode		② Data mode		③ Filter	
00: LSB	05: FM	00: Data mode OFF	01: FIL1		
01: USB	07: CW-R	01: Data mode 1 (D1)	02: FIL2		
02: AM	08: RTTY-R	02: Data mode 2 (D2)	03: FIL3		
03: CW	12: PSK	03: Data mode 3 (D3)			
04: RTTY	13: PSK-R				

■ Changed CI-V commands

The description of following commands are changed.

Cmd.	Sub Cmd.	Data	Description
1C	00	00	Send/read transceiver's status (RX) When "CI-V Output (for ANT)" (Command: 1C 04) is set to "ON," automatically outputs when changed.
		01	Send/read transceiver's status (TX) When "CI-V Output (for ANT)" (Command: 1C 04) is set to "ON," automatically outputs when changed.