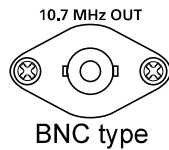


16 CONNECTOR INFORMATION

[10.7 MHz OUT]

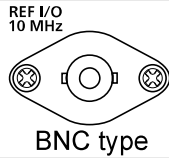
Outputs the 10.7 MHz IF signal for an external detector/demodulator circuit.



- Center frequency: 10.7 MHz
 - Band width*: 10 MHz
 - Impedance: 50 Ω (unbalanced)
 - Maximum output level: -10dBm (approximately)
- *The band width is fixed regardless of the digital PBT filter setting.

[REF I/O 10 MHz]

Outputs or inputs a 10 MHz reference frequency signal. You can change the signal direction in the Set mode.



- Center frequency: 10 MHz
- Impedance: 50 Ω (unbalanced)
- Input/Output level: -10 dBm (approximately)
- Frequency stability: ±0.5 ppm (-10°C ~ +60°C, +14°F ~ +140 °F)

[I/Q OUT]

Outputs the Phase/Quadrature data which is processed by the FPGA. Connect a PC's USB port, to demodulate the DRM broadcast or Software Defined Radio SDR.



- Interface: USB (1.1/2.0), type B
- ① Icom does not provide any support regarding SDR technology and related software, except the inspection for the normality of output signal.
② The IQ driver and instruction guide will be released on the Icom website near future.
<http://www.icom.co.jp/world/index.html>

[AF/IF]

Outputs the demodulate audio signal or 12 kHz IF signal (unfiltered). The output level is fixed, regardless of the volume control position. (3.5 mm, 1/8 in (d))



- Impedance: 4.7 kΩ
 - Output level: 100 ~ 300 mV (RMS)
- ① You can select the output signal from AF or IF signals.

MENU » **SET > Connectors > AF/IF**

② The signal is also output from [USB] (front or rear) or [LAN].

[USB]

2 USB ports: Type B mini and Type B.

On the front panel On the rear panel



- Outputs the decoded FSK (RTTY) signal, or D-STAR data.
 - Outputs the demodulated signal or 12 kHz IF signal.
 - Remote control interface for optional RS-R8600 (feature product).
 - Programming interface for the optional CS-R8600.
- ① You can change the port settings (FSK decode data/D-STAR data, AF/IF), baud rate and output level)

MENU » **SET > Connectors > USB (Front)**

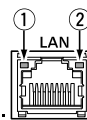
MENU » **SET > Connectors > USB (Rear)**

① You can download the USB driver and installation guide from the Icom website.
<http://www.icom.co.jp/world/support/download/firm>

[LAN]

LED indication:

- ① LINK/ACT Lights: Cable connected.
Doesn't light: Cable not connected.
Blinks: While the line is communicating.
- ② Speed Lights: Communicating in 100BASE-TX
Doesn't lights: Communicating in 10BASE-T, or not connected.

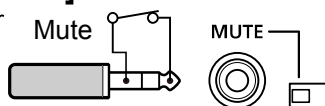


- Time synchronization by an NTP server.
 - Outputs the demodulated signal or 12 kHz IF signal.
 - Remote control interface for the optional RS-R8600 (future product).
- ① You can select the output signal from AF and IF signals.

MENU » **SET > Connectors > LAN**

[MUTE] JACK / [MUTE] SWITCH

Used to mute the receiver output. (3.5 mm, 1/8 in (d))



- When the [MUTE] is slid to left:**
When this terminal is grounded, the receive circuit is turned OFF.
① Use this function when you use the IC-R8600 with a transceiver.
② The sink current is approximately 1 mA at 8 V input.

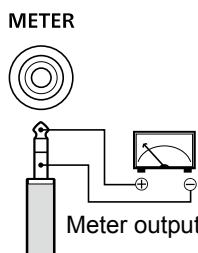
When the Mute Switch is slid to right, the receiver enters to the Bit Error Rate (BER) Measurement mode for the maintenance purpose.

When the [MUTE] is slid to right:
Connect a BER counter. In the BER Measurement mode, the PN9 bit stream is output from this terminal.



[METER]

Connects to an external meter. Outputs the received signal strength or squelch level. (3.5 mm, 1/8 in (d))



- Output voltage: 8 V (maximum)
 - Output impedance: 10 kΩ
- ① You can select the output signal from received signal strength and squelch levels.

MENU » **SET > Connectors**