

FULL MANUAL

HF/50 MHz TRANSCEIVER			
	73	00	

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INTRODUCTION

Icom Inc.

Rear panel connection

[DC 13.8 V] DC power supply



Use the optional PS-126 or a power supply with 13.8 V DC output and a current capacity of at least 21 A.

PS-126 (option)

[ALC]/[SEND] jack

Connect with an RCA plug

[ALC] jack connects to the ALC output jack of a non-Icom linear amplifier.

[SEND] jack is used to control an external non-Icom linear amplifier.

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[KEY] (CW key) jack (p. 18-4)





(6.35 mm: 1/4 in (d))

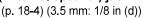
You can use a straight or bug key when the internal electronic keyer is OFF.





Grounding prevents electrical shock, TVI and other problems.

[EXT-SP] (External speaker) jack

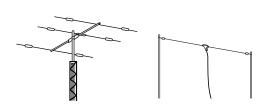




SP-34 (Option)

Impedance: 4~8 Ω Audio level: More than 2.5 W at 10% distortion into an 8 Ω load

[ANT] (antenna) connector



Connect a 50 Ω antenna for the HF, 50/70 MHz frequency bands.

[REMOTE] jack (p. 18-4)



(3.5 mm: 1/8 in (d)) Remotely controls the transceiver, using the optional RS-BA1, or CI-V commands.

[TUNER] control socket (p. 2-4)

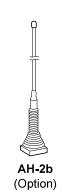
Connect the control cable from an optional AH-4 AUTOMATIC ANTENNA TUNER or AH-740 AUTOMATIC TUNING ANTENNA. The AH-2b is connected to the AH-4.



(Option)



(Option)



• [USB] port

- · Remotely controls the transceiver using CI-V commands.
- · Sends the received audio to the PC
- · Inputs modulation
- · Sends the decoded RTTY outputs to the PC.
- Remote control operation using the optional RS-BA1.

(Icom does not quarantee the performance of the PC, network device or network settings)

[ACC] (accessory) socket (p. 18-2)

Connects control lines for external devices such as a TNC or a PC.

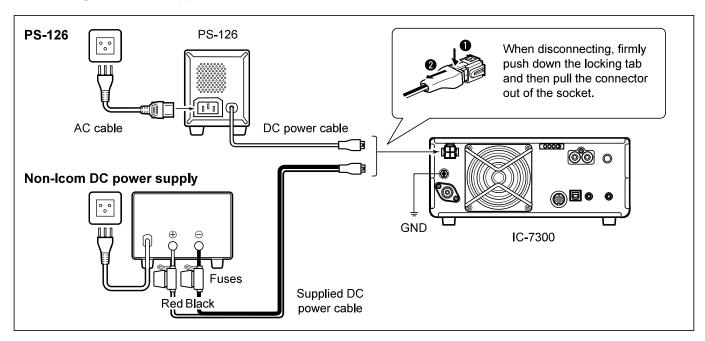
Refer to the external device's instruction manual for connection.

Connecting an external DC power supply

Confirm that the transceiver is OFF before connecting the DC power cable.

- We recommend using Icom's optional PS-126 (DC 13.8 V/25 A) power supply.
- When connecting a non-Icom DC power cable, the transceiver needs:
 - DC 13.8 V (Capacity: At least 21 Amps)
 - A power supply with an over current protective line and low voltage fluctuation or ripple.

CAUTION: DO NOT touch the cooling fan on the rear panel of the transceiver after transmitting continuously for long periods of time. The transceiver becomes extremely hot.

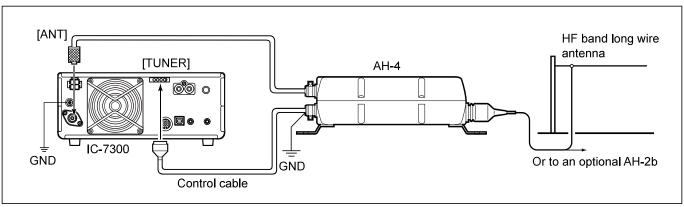


Connecting the antenna tuner

The AH-4 matches the IC-7300 to the optional AH-2b or a long wire antenna more than 7 m/23 ft long (between 3.5 MHz and 50 MHz).

⑤ See the AH-4 instruction manual for installation and connection details.

NOTE: Before connecting, be sure to turn OFF the transceiver power.



Section 11 ANTENNA TUNER OPERATION

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