

IC-7000 HF/VHF/UHF All Mode Transceiver



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U.S.A. Amateur Grid Square Map
U.S.A. Amateur Band Plan

Specifications

General

Frequency Coverage*¹

Receive

0.030–199.999 MHz*²
400.000–470.000 MHz*²

Transmit

1.800– 1.999 MHz
3.500– 3.999 MHz
5.3305, 5.3465, 5.3570, 5.3715, 5.4035 MHz*³
7.000– 7.300 MHz
10.100–10.150 MHz
14.000–14.350 MHz
18.068–18.168 MHz
21.000–21.450 MHz
24.890–24.990 MHz
28.000–29.700 MHz
50.000–54.000 MHz
144.000–148.000 MHz
430.000–450.000 MHz

*¹ Showing USA Version. Varies according to version.

*² Some frequency bands are not guaranteed.

*³ USB only.

Mode

USB, LSB, CW, RTTY, AM, FM, WFM (Rx only)

No. of memory channels

503 (495 regular, 6 scan edges and 2 call)

Antenna connector

SO-239×2
(for HF/50 MHz and 144/43/440 MHz bands; 50Ω)

Temperature Range

-10°C to +60°C;

Temperature Range	-10°C to +60°C; +14°F to +140°F		
Frequency stability	Less than ±0.5 ppm (+0°C to +50°C; +32°F to +122°F)		
Power supply requirement	13.8V DC ±15%		
Power consumption (approx.)	Tx	Max. Power	22.0A
	Rx	Standby	1.3A
		Max. Audio	1.6A
Dimensions (W×H×D) (projections not included)	167(W)×58(H)×180(D) mm; 6 ⁹ / ₁₆ (W)×2 ⁹ / ₃₂ (H)×7 ³ / ₃₂ (D) in.		
Weight (approx.)	2.3kg; 5.1lb		

Receiver

Intermediate frequencies
SSB, CW, RTTY, AM, FM
WFM

124.487 MHz, 455 kHz, 16.15 kHz
134.732 MHz, 10.70 MHz

Sensitivity (Pre-amp: ON)

	0.5-1.8 MHz	1.8-29.9 MHz	50-54 MHz	144/440 MHz
SSB/CW	—	0.15µV	0.12µV	0.11µV
AM	4.0µV	2.0µV	1.0µV	1.0µV
FM	—	0.5µV (28-29.7)	0.25µV	0.18µV
WFM	—	—	10.0µV (76-108MHz)	

SSB/CW, AM : 10dB S/N, FM, WFM : 12dB SINAD

Squelch sensitivity

(Pre-amp: ON, threshold)

SSB

Less than 5.6µV

FM

Less than 0.3µV