

 ICOM

VHF/UHF DUAL BAND FM TRANSCEIVER

IC-T10

Rugged, Compact Dual Bander

with Simple Operation and Great Performance

**5 W RF Output in
144 and 430/440 MHz**

**1500 mW Loud and
Intelligible Audio**



**IP67 Dust-tight and
Waterproof**



**Home Button
on Top Panel for
Quick Access to
Calling Channel**

**Optional
HM-222HLWP,
Loud Audio SP-MIC**



FM Broadcast Receiver

**Up to 11 Hours*
Operating Time**

* 11/10 hours (VHF/UHF, approx.) with BP-280 battery at 1:1.8 duty ratio (Power save ON)

Other Features

- DC power operation with optional AD-149H
- Free CS-T10 downloadable programming software
- Built-in CTCSS/DTCS for repeater operation
- Total of 208 memory channels with 6 character channel name
- 16 DTMF autodial memories
- Priority, Program, Memory, Skip, and Tone Scan
- Direct-conversion system eliminates IF stages



SPECIFICATIONS

GENERAL			
Frequency coverage (MHz)			
Version	Transmit	Receive	FM broadcast
USA	144–148, 430–450 ^{*1}	136–174, 400–479 ^{*1}	88–108
Export	136–174, 400–479 ^{*2}	136–174, 400–479 ^{*2}	76–108
* Guaranteed range ^{*1} 144–148, 440–450 MHz, ^{*2} 144–148, 430–440 MHz			
Number of channels	208 channels (including 2 call and 6 scan edges)		
Type of emission	F2D, F3E (FM)		
Frequency stability	±2.5 ppm (–20°C to +60°C on the basis of 25°C)		
Power supply requirement	7.2 V DC nominal		
External DC power	10–16 V DC (with AD-149H)		
Current drain (approximate)	Tx High Rx Max. audio	Less than 2.5 A Less than 600 mA	
Antenna impedance	50 Ω (SMA)		
Operating temperature range	–20°C to +60°C; –4°F to +140°F		
Dimensions (W × H × D; Projections not included)	52.2 × 111.8 × 30.3 mm; 2.1 × 4.4 × 1.2 in (with BP-280)		
Weight (approximate)	278 g; 9.8 oz (with BP-280 and antenna)		
TRANSMITTER			
Output power	5 W, 2.5 W, 0.5 W		
Max. frequency deviation	±5.0 kHz/±2.5 kHz (W/N)		
Spurious emissions	Less than –60 dBc (High, Mid), Less than –13 dBm (Low)		
Ext. microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2 kΩ		
RECEIVER			
Receiver sensitivity	Less than 0.18 μV (at 12 dB SINAD)		
Squelch sensitivity	Less than 0.18 μV (at squelch threshold)		
Adjacent channel selectivity	More than 55 dB (FM, 25 kHz) More than 50 dB (FM Narrow, 12.5 kHz)		
Spurious response	More than 60 dB		
Audio output power (at 10% distortion, 8 Ω load)	Internal SP External SP HM-222HLWP	1500 mW (typical) 450 mW (typical) 1500 mW (typical)	
Ext. speaker connector	3-conductor 3.5 (d) mm (1/8")/8 Ω		

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	-
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Ingress Protection Standard	
Dust & Water	IP67 (Dust-tight and waterproof protection)

Supplied Accessories:

- BP-280 Battery Pack • FA-S270C Antenna • MB-133 Belt Clip
- BC-213 Rapid Charger • AC Adapter (BC-242 or BC-123SA/SE)

Countermeasures against Counterfeit Products

The "QR Code Genuineness Determination System" is attached for proof of authentication. Check the Icom website for details : https://www.icomjapan.com/explore/genuine_info/



OPTIONAL ACCESSORIES

SPEAKER MICROPHONES



HM-222HLWP
High-power audio speaker with 3.5 mm earphone jack



HM-168LWP
Waterproof speaker-microphone



HM-158LA
Compact speaker microphone with 3.5 mm earphone jack



HM-159LA
Loud and clear audio speaker microphone

HEADSETS



HS-94LWP
Earhook type headset



HS-95LWP
Neck-arm type headset

EARPHONE-SPEAKERS



HM-153LA
Durable lapel microphone with earphone



HM-166LA
Light weight lapel microphone with earphone

BATTERY PACK

BP-280 Li-ion, 2400 mAh (typ.), 2280 mAh (min.) (Same as supplied.)



POWER SUPPLY ADAPTER

AD-149H
Use with **CP-12L** or **OPC-254L** to supply DC power to the IC-T10



CP-12L (left) and AD-149H (right)

RAPID CHARGER



BC-123SA/SE



BC-213

Charges the BP-280 in 3 hours (approx.). AC adapter is supplied with the BC-213, depending on the charger version.

MULTI-CHARGER



BC-157S



BC-214N

The BC-157S and AD-130 charger adapters are supplied with the BC-214N, depending on the charger version.

OTHER ACCESSORIES

FA-S270C

VHF/UHF antenna (Same as supplied)

MB-133

Belt clip (Same as supplied)

MB-130

Charger bracket for BC-213

CP-12L

Cigarette lighter cable for use with the AD-149H

CP-23L

Cigarette lighter cable for use with the BC-213

OPC-254L

DC power cable for use with the AD-149H

OPC-656

DC power cable for use with the BC-214N

PROGRAMMING SOFTWARE & CABLE

CS-T10

Programming software for Windows™ PC

Available for free download from:

https://www.icomjapan.com/support/firmware_driver/

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OPC-478UC/-1

Programming cable (USB)

Icom Inc.

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