

 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
	USA	144-148, 430-450*1	136-174, 400-479*1
	Export	136-174, 400-479*2	136-174, 400-479*2
* 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	Less than 2.5 A	
	Rx Max. audio	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	1500 mW (typical)	
	External SP	450 mW (typical)	
	HM-222HLWP	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/](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/](https://www.icomjapan.com/support/firmware_driver/)

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**OPC-478UC/-1**  
Programming cable (USB)

Icom Inc.

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