

# Rugged, Compact Dual Bander

## with Simple Operation and Great Performance

5 W RF Output in 144 and 430 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

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

\* 11/10 hours (VHF/UHF, approx.) with BP-280 battery at 1:1:8 duty ratio (Power save ON)



## SPECIFICATIONS

## GENERAL

Frequency coverage (EUR Version)	TX: 144–146, 430–440 MHz* (*Guaranteed range) RX: 136–174, 400–479 MHz* (*Working range) FM broadcast: 76–108 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
Dimensions (W x H x D; Projections not included)	52.2 x 111.8 x 30.3 mm (with BP-280)
Weight (approximate)	278 g (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 5% 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/)



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Your local distributor/dealer:

## OPTIONAL ACCESSORIES

## SPEAKER MICROPHONES



## 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.)

## 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.

## POWER SUPPLY ADAPTER

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



## 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 &amp; 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/)

## OPC-478UC/-1

Programming cable (USB)