



VHF AIR BAND TRANSCEIVERS

IC-A14

(Full keypad)

IC-A14S

(Simple keypad)

Easy to Use, Rugged and Compact with Icom's "V Speed" Audio!

700mW* loud audio

Because air band radios are usually operated in high-noise environments, it is essential for the radio to provide loud and clear audio. The IC-A14/S series employs a BTL amplifier that doubles the audio output, offering loud and clear audio that'll cut through cabin or tarmac noise. (* Internal speaker only)

Full keypad type or Simple keypad type

The IC-A14 full keypad type allows you to input the channel or frequency directly and has an exclusive button for the 121.5MHz emergency channel. The IC-A14 receives NAV and WX channels. The IC-A14S simple keypad type provides simpler operation with a minimum of buttons that is suitable for ground crews.

Compact, light weight and rugged body

The IC-A14/S series is compact (only 120mm tall) and light weight (approx. 350g including antenna and BP-232H). The water resistant construction, equivalent to IPX4, provides reliable operation in wet conditions.

Large capacity Lithium-Ion battery pack

With the 2300mAh (typ.) large capacity Lithium-Ion battery pack, BP-232H, the IC-A14/S series provides stable output power and 20 hours long (approx.) operating time*. The BP-261, battery case takes 6 AA (LR6) alkaline cells for convenient battery backup.

* Typical operation, Tx:Rx: Stand-by=5:5:90.

200 channels with memory banks

A total of 200* memory channels can be named with an 8-character channel name for easy recognition. For fast and simple operation, these channels can be grouped into 10 memory banks*.

* IC-A14 only. The IC-A14S has 100 memory channels and memory banks are not available.

BC-179 holder type battery charger

The battery charger, BC-179, securely holds and charges the radio, even in bumpy conditions. The cigarette lighter cable, CP-22, can be used with the BC-179.



IC-A14



IC-A14S

SPECIFICATIONS

IC-A14/IC-A14S	
GENERAL	
Frequency range	
Model	Transmit Receiver
IC-A14	118.000–136.975MHz (COM) 108.000–136.975MHz (COM, NAV) 161.650–163.275MHz (Weather)
IC-A14S	118.000–136.975MHz (COM) 118.000–136.975MHz (COM)
Number of memory channels	200 Ch with 10 banks (IC-A14), 100 Ch (IC-A14S)
Channel spacing	25kHz
Type of emission	6K00A3E (AM), 16K0G3E (FM, IC-A14 WX only)
Power supply requirement	7.4V DC (Icom battery pack)
Current drain (approx.)	
Tx High	1.5A
Rx Max. audio/Stand-by	500mA/50mA typ.
Antenna impedance	50Ω nominal (BNC type)
Operating temperature range	-10°C to +60°C; +14°F to +140°F
Dimensions (Projections not included)	53×120×36.9 mm; 2.09×4.72×1.45 in (W×H×D)
Weight (approx.)	350g; 12.3oz (with BP-232H and antenna)
TRANSMITTER	
Output power (at 7.4V DC)	5.0/1.5W typ. (PEP/CW)
Audio harmonic distortion	Less than 10% (60% mod.)
Hum and noise ratio	More than 35dB
Spurious emissions	More than 46dB (Except operating freq. ±62.5kHz point)
Frequency stability	±5ppm
Ext. microphone connector	3-conductor 2.5 (d) mm (1/16")/more than 150Ω
RECEIVER	
Intermediate frequency	46.35MHz/450kHz (1st/2nd)
Sensitivity	
COM (6dB S/N)	-6dBμ typ.
NAV (6dB S/N)	-3dBμ typ. (IC-A14 only)
WX (12dB SINAD)	-13dBμ typ. (IC-A14 only)
Squelch sensitivity AM (at threshold)	Less than 0dBμ
FM	Less than -5dBμ (IC-A14 only)
Selectivity	More than 7.5kHz-6dB, Less than 25kHz/-60dB
Spurious response AM	More than 60dB
FM	More than 30dB (IC-A14 only)
Hum and noise	More than 35dB (30% mod.)
Audio output power	More than 700mW (Internal SP)
(10% distortion, 8Ω load, 30% mod.)	More than 500mW (External SP)
Ext. speaker connector	3-conductor 3.5 (d) mm (1/8")/8Ω

Measurement made in accordance with FCC Part 87 for USA versions. All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications

Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain Blowing/Drip	506.4	I, III
Humidity	507.4	-
Salt Fog	509.4	-
Dust Blowing	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

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

Ingress Protection Standard

Dust & Water	IPX4 (Water resistant)
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Supplied accessories: (* depending on version)

- Battery pack, BP-232H or battery case, BP-261* • Battery charger, BC-179*
- AC adapter, BC-147S* • Belt clip, MB-94 • Antenna, FA-B02AR • Handstrap

Other outstanding features

- 5W typ. (PEP), 1.5W (CW) output power
- Side tone function allows you to hear your own voice via a third party aviation headset
- LCD backlight for night time operation
- ANL (Auto Noise Limiter) for noise reduction
- Low battery indication and beep alert
- Adjustable microphone gain setting
- BNC type antenna connector

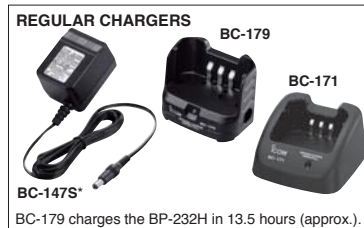
OPTIONS

* Some options may not be available in some countries, or unavailable due to no T/A. Please ask your dealer for details.

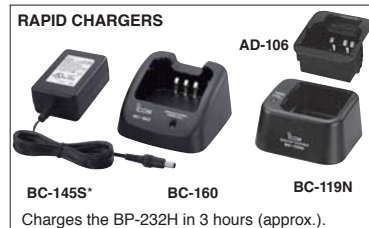


Battery packs	Type	Capacity	Operating time*
BP-230N	Li-Ion, 7.4V	950mAh (min.) 980mAh (typ.)	8.5 hours (approx.)
BP-232H	Li-Ion, 7.4V	2250mAh (min.) 2300mAh (typ.)	20 hours (approx.)
BP-261	AA (LR6)	batteries × 6	-

* Tx: Rx: standby = 5:5:90. Power save function ON.

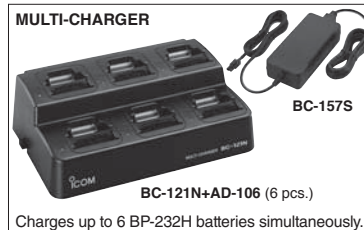


BC-179 charges the BP-232H in 13.5 hours (approx.).

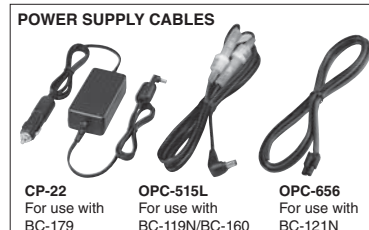


Charges the BP-232H in 3 hours (approx.).

* BC-145/BC-147SA for 120V AC. SE for 230V AC. SV for 240V AC.



BC-121N+AD-106 (6 pcs.)
Charges up to 6 BP-232H batteries simultaneously.



CP-22 For use with BC-179
OPC-515L For use with BC-119N/BC-160
OPC-656 For use with BC-121N



HM-173



OPC-499



MB-94 MB-96F



FA-B02AR

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