



VHF AIR BAND TRANSCEIVERS

IC-A14

(Full keypad)

IC-A14S

(Simple keypad)

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

700 mW* 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 121.5 MHz 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 120 mm tall) and light weight (approx. 350 g 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 2300 mAh (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-160 rapid battery charger

The rapid battery charger, BC-160, quickly charges the BP-232H in 3 hours (approximately).

The cigarette lighter cable, CP-23L, can be used with the BC-160.



IC-A14



IC-A14S

Other outstanding features

- 5 W typ. (PEP), 1.5 W (CW) output power
- Side tone function allows you to hear your own voice through 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.

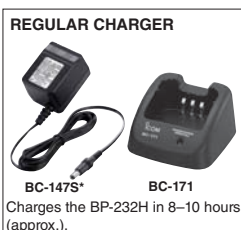


Battery packs	Type	Capacity	Operating time*
BP-230N	Rechargeable Li-ion	950 mAh (min.) 980 mAh (typ.)	8.5 hours (approx.)
BP-232H	Rechargeable Li-ion	2250 mAh (min.) 2300 mAh (typ.)	20 hours (approx.)
BP-261	AA (LR6) batteries × 6		-

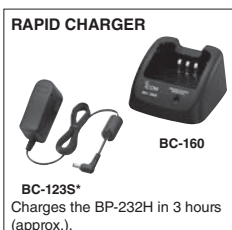
* Tx: Rx: standby = 5:5:90. Power save function ON.



BC-147S*
BC-179 charges the BP-232H in 13.5 hours (approx.).

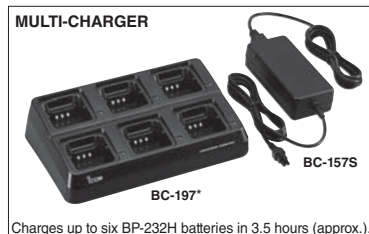


BC-147S*
Charges the BP-232H in 8-10 hours (approx.).



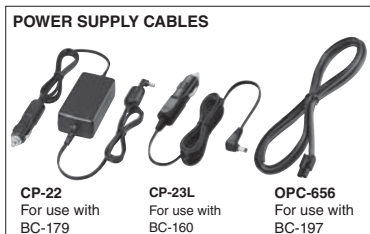
BC-123S*
Charges the BP-232H in 3 hours (approx.).

* BC-123/BC-147SA for USA plug. SE for Europe plug. SV for Australia plug.



BC-197*
Charges up to six BP-232H batteries in 3.5 hours (approx.).

* AD-122 charger adapter is supplied with the BC-197, depending on version.



CP-22 For use with BC-179
CP-23L For use with BC-160
OPC-656 For use with BC-197



SPECIFICATIONS

IC-A14/IC-A14S	
GENERAL	
Frequency range	
Model	Transmit Receiver
IC-A14	118.000-136.975 MHz (COM) 108.000-136.975 MHz (COM, NAV) 161.650-163.275 MHz (Weather)
IC-A14S	118.000-136.975 MHz (COM) 118.000-136.975 MHz (COM)
Number of memory channels	200 Ch with 10 banks (IC-A14), 100 Ch (IC-A14S)
Channel spacing	25 kHz
Type of emission	6K00A3E (AM), 16K0G3E (FM, IC-A14 WX only)
Power supply requirement	7.4 V DC (Icom battery pack)
Current drain (approximate)	
Tx High	1.5 A
Rx Max. audio/Stand-by	500 mA/50 mA typ.
Antenna impedance	50 Ω 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 (approximate)	350 g; 12.3 oz (with BP-232H and antenna)
TRANSMITTER	
Output power (at 7.4 V DC)	5.0/1.5 W typ. (PEP/CW)
Audio harmonic distortion	Less than 10% (60% mod.)
Hum and noise ratio	More than 35 dB
Spurious emissions	More than 46 dB (Except operating freq. ±62.5 kHz point)
Frequency stability	±5 ppm
Ext. microphone connector	3-conductor 2.5 (d) mm (1/16")/more than 150 Ω
RECEIVER	
Intermediate frequency	46.35 MHz/450 kHz (1st/2nd)
Sensitivity	COM (6 dB S/N) -6 dBμ typ. NAV (6 dB S/N) -3 dBμ typ. (IC-A14 only) WX (12 dB SINAD) -13 dBμ typ. (IC-A14 only)
Squelch sensitivity	AM Less than 0 dBμ FM Less than -5 dBμ (IC-A14 only)
Selectivity	More than 7.5 kHz/-6 dB, Less than 25 kHz/-60 dB
Spurious response	AM More than 60 dB FM More than 30 dB (IC-A14 only)
Hum and noise	More than 35 dB (30% mod.)
Audio output power (10% distortion, 8 Ω load, 30% mod.)	More than 700 mW (Internal speaker) More than 500 mW (External speaker)
Ext. speaker connector	3-conductor 3.5 (d) mm (1/8")/8 Ω

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 or BC-160*
- AC adapter, BC-147S or BC-123S*
- Belt clip, MB-94
- Antenna, FA-B02AR
- Handstrap

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