



## 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 2350 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

Note: 8.33 kHz channel spacing is NOT available for the IC-A14/S.

**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	2200 mAh (min.) 2350 mAh (typ.)	20 hours (approx.)
BP-261	AA (LR6) batteries × 6		

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

**REGULAR CHARGER**

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

**REGULAR CHARGER**

**BC-147S\***      **BC-171**  
Charges the BP-232H in 8–10 hours (approx.).

**RAPID CHARGER**

**BC-123S\***      **BC-160**  
Charges the BP-232H in 3 hours (approx.).

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

**MULTI-CHARGER**

**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.

**POWER SUPPLY CABLES**

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

**SPEAKER-MICROPHONE**

**HM-234**

**HEADSET ADAPTER CABLE**

**OPC-499**

**BELT CLIP AND LEATHER BELT HANGER**

**MB-94**      **MB-96F**

**ANTENNA**

**FA-B02AR**

**SPECIFICATIONS**

IC-A14/IC-A14S	
<b>GENERAL</b>	
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)
<b>TRANSMITTER</b>	
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
<b>RECEIVER</b>	
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 (at threshold)      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	More than 700 mW (Internal speaker) (10% distortion, 8 Ω load, 30% mod.)      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)

**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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