



## 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-232N). The water resistant construction, equivalent to IPX4, provides reliable operation in wet conditions.

### Large capacity Lithium-Ion battery pack

With the 2000mAh large capacity Lithium-Ion battery pack, BP-232N, the IC-A14/S series provides stable output power and 18 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

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

Supplied accessories: (\* depending on version)

- Battery pack, BP-232N or battery case, BP-261\*
- Battery charger, BC-179\* • AC adapter, BC-174A/E\*
- Belt clip, MB-94 • Antenna, FA-B02AR
- Handstrap

SPECIFICATIONS

GENERAL

- Frequency range :
  - IC-A14 Tx (COM) : 118.000-136.975MHz
  - Rx (COM, NAV) : 108.000-136.975MHz (Weather)
  - IC-A14S Tx/Rx (COM) : 118.000-136.975MHz
- Mode : AM (6K00A3E)
- Weather (IC-A14 only) : FM (16K0G3E)
- Channel spacing : 25kHz
- No. of memory channels :
  - IC-A14 : 200 channels with 10 banks
  - IC-A14S : 100 channels
- Antenna impedance : 50Ω (BNC type)
- Power supply requirement : 7.4V DC (Icom battery pack)
- Current drain (at 7.2 V DC) :
  - Tx : 1.5A
  - Rx : 500mA
  - Max. audio Stand-by : 50mA typical
- Operating temp. range : -10°C to +60°C ; +14°F to +140°F
- Dimensions (W×H×D) : 53×120×36.9 mm ; 2<sup>3</sup>/<sub>32</sub>×4<sup>23</sup>/<sub>32</sub>×1<sup>17</sup>/<sub>16</sub> in (projections not included)
- Weight (approx.) : 350g; 12.3oz (with antenna and BP-232N)

TRANSMITTER

- Output power (at 7.4V DC) : 5.0/1.5W typ. (PEP/CW)
- Modulation limiting : 70-100%
- Frequency stability : ±5ppm
- Audio harmonic distortion : Less than 10% (at 60% mod.)
- Hum and noise ratio : More than 35dB
- Spurious emissions : More than 46dB (Except operating freq. ±62.5kHz point)
- Microphone connector : 3-conductor 2.5 (d) mm (1/16")/ more than 150Ω

RECEIVER

- Intermediate frequency : 1st/2nd 46.35MHz/450kHz
- Sensitivity :
  - COM (at 6dB S/N) : -6dBμ typ.
  - NAV (at 6dB S/N) : -3dBμ typ. (IC-A14 only)
  - WX (at 12dB SINAD) : -13dBμ typ. (IC-A14 only)
- Squelch sensitivity (at threshold) :
  - AM : Less than 0dBμ
  - FM (IC-A14 only) : Less than -5dBμ
- Selectivity : More than 7.5kHz/-6dB Less than 25kHz/-60dB

- Hum and noise : More than 35dB (at 30% mod.)
- Spurious response :
  - AM : More than 60dB
  - FM (IC-A14 only) : More than 30dB
- Audio output power :
  - Internal speaker : More than 700mW
  - External speaker : More than 500mW at 10% distortion with an 8Ω load, 30% modulation
- Ext. speaker connector : 3-conductor 3.5 (d) mm (1/8")/ 8Ω

Applicable U.S. Military Specifications & IP Rating

Standard	MIL 810 F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4-3	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain	506.4	I, III
Humidity	507.4	-
Salt Fog	508.4	-
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

Water	IPX4 (Water resistant protection)
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Measurement made in accordance with FCC Part 87 for USA versions. All specifications are subject to change without notice or obligation.

OPTIONS

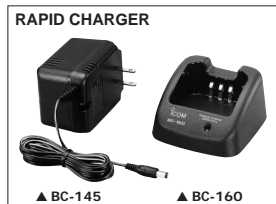
\* Some options may not be available in some countries. Please ask your dealer for details.



**BP-230N** : 7.4V/980mAh Li-Ion BATTERY PACK Provides 8.5 hours\* operating time (approx.).  
**BP-232N** : 7.4V/2000mAh Li-Ion BATTERY PACK Provides 18 hours\* operating time (approx.).  
**BP-261** : BATTERY CASE (Available soon)  
 Battery case for AA (LR6)×6 alkaline cells.  
 (\* Tx (Hr): Rx: standby=5:5:90.)



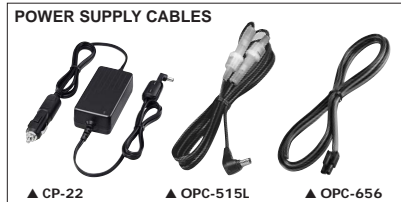
**BC-179 BATTERY CHARGER + BC-174 AC ADAPTER**  
 Charges the BP-232N in 12 hours (approx.).  
**BC-171 DESKTOP CHARGER + BC-147 AC ADAPTER**  
 Charges the BP-232N in 10 hours (approx.).



**BC-160 DESKTOP CHARGER + BC-145 AC ADAPTER**  
 Charges the BP-232N in 3 hours (approx.).  
**BC-119N + AD-106 + BC-145** is also available.



**BC-121N MULTI-CHARGER + AD-106 CHARGER ADAPTER + BC-157 AC ADAPTER**  
 Rapidly charges up to 6 battery packs (Six AD-106s are required). Charging the BP-232N in 3 hours (approx.).



**CP-22** : Cigarette lighter cable with DC-DC converter for use with BC-179. 12/24V DC input available.  
**OPC-515L** : Power supply cable for use with BC-119N/160.  
**OPC-656** : Power supply cable for use with BC-121N.



**HM-173** : Provides convenient lightweight operation.



**OPC-499** : For use with third party headsets.



**MB-94** : Alligator type. Same as supplied.  
**MB-96F** : Fixed type belt hanger.



**FA-B02AR** : Same as supplied.

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