



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-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

- 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.

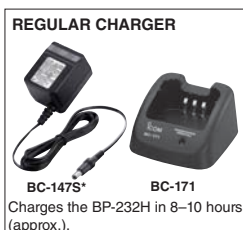


| Battery packs | Type | Capacity | Operating time* |
|---------------|------------------------|------------------------------------|---------------------|
| BP-230N | Rechargeable Li-ion | 950 mAh (min.) 980 mAh (typ.) | 8.5 hours (approx.) |
| BP-232H | Rechargeable Li-ion | 2250 mAh (min.) 2300 mAh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

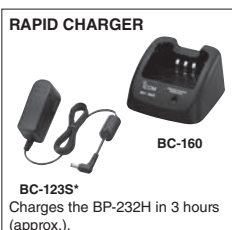
* Tx: Rx: standby = 5:5:90. Power save function ON.



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

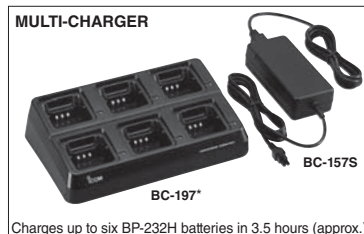


BC-147S*
Charges the BP-232H in 8-10 hours (approx.).



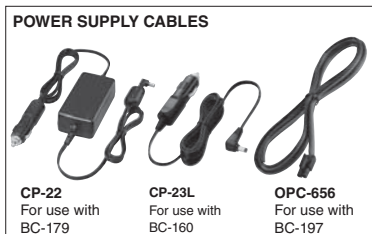
BC-123S*
Charges the BP-232H in 3 hours (approx.).

* 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



HM-234



OPC-499



MB-94 **MB-96F**



FA-B02AR

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) |
|--------------|------------------------|

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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