



VHF AIR BAND TRANSCEIVERS

IC-A15

(Full keypad)

IC-A15S

(Simple keypad)

Easy to Use, Rugged and Compact with 700mW Loud 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-A15/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-A15 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-A15S 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-A15/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-A15/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-A15 only. The IC-A15S 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-A15



IC-A15S

Other outstanding features

- 5W typ. (PEP), 1.5W typ. (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* • Belt clip, MB-94
- AC adapter, BC-174E* • Antenna, FA-B02AR
- Handstrap

SPECIFICATIONS

GENERAL

- Frequency range : 118.000-136.975MHz (COM)
- Mode : AM (6K00A3E)
- Channel spacing : 25kHz
- No. of memory channels :
 - IC-A15 : 200 channels with 10 banks
 - IC-A15S : 100 channels
- Antenna impedance : 50Ω (BNC type)
- Power supply requirement : 7.4V DC (Icom battery pack)
- Current drain (at 7.4V DC) :
 - Tx : 1.5A
 - Rx : 50mA typical
 - Stand-by : 500mA
 - Max. audio : 500mA
- Operating temp. range : -20°C to +55°C
- Dimensions (W×H×D) : 53×120×36.9 mm (projections not included)
- Weight (approx.) : 350g (with antenna and BP-232N)

TRANSMITTER

- Output power (at 7.4V DC) : 5.0/1.5W typ. (PEP/CW)
- Modulation depth : 85%
- Audio harmonic distortion : Less than 10% (at 85%+3dB mod.)
- Harmonics spurious emissions (Except operating freq. ±1MHz point) : Less than -36dBm
- Frequency stability : ±5ppm
- Microphone connector : 3-conductor 2.5 (d) mm (1/16") 150Ω

RECEIVER

- Intermediate frequency : 1st/2nd 46.35MHz/450kHz
- Sensitivity : -3dBμ typ. (at 12dB SINAD with CCITT)
- Squelch sensitivity : Less than 0dBμ (at threshold)
- Selectivity : 6dB (More than 7.5kHz) 60dB (Less than 25kHz)
- Hum and noise : More than 40dB (at 90% mod.)

- Spurious response : More than 70dB
- 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	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

Water	IPX4 (Water resistant protection)
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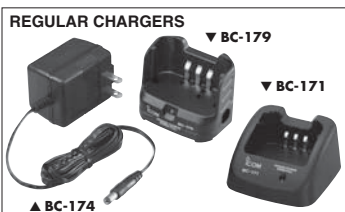
Measurement made in accordance with EN 300 676 for EUR/UK versions. All specifications are subject to change without notice or obligation.

OPTIONS

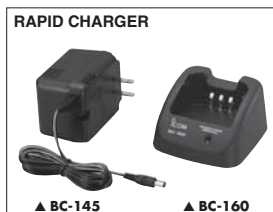
* Some options may not be available in some countries. Please ask your dealer for details.



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
 Battery case for AA (LR6)×6 alkaline cells.
 (* Tx (Hi): Rx: standby=5:5:90.)



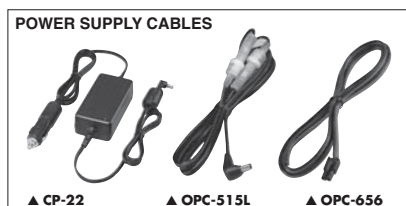
REGULAR CHARGERS
BC-179 BATTERY CHARGER + **BC-174** AC ADAPTER
 Charges the BP-232N in 12 hours (approx.).
BC-171 DESKTOP CHARGER + **BC-147** AC ADAPTER
 Charges the BP-232N in 10 hours (approx.).



RAPID CHARGER
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.).



POWER SUPPLY CABLES
CP-22 : Cigarette lighter cable with DC-DC converter for use with BC-171/179. 12/24V DC input available.
OPC-515L : Power supply cable for use with BC-119N.
OPC-656 : Power supply cable for use with BC-121N.



SPEAKER-MIC
HM-173 : Provides convenient lightweight operation.



HEADSET ADAPTER CABLE
OPC-499 : For use with third party headsets.



BELT CLIP AND LEATHER BELT HANGER
MB-94 : Alligator type. Same as supplied.
MB-96F : Fixed type belt hanger.



ANTENNA
FA-B02AR : Same as supplied.

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