



## 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) (projections not included)	: 53×120×36.9 mm
• 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)

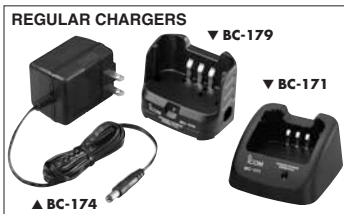
Measurement made in accordance with EN 300 676 for EUR/UK versions. All specifications are subject to change without notice or obligation.

**OPTIONS**

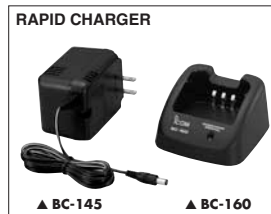
\* Some options may not be available in some countries. Please ask your dealer for details.



**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.)



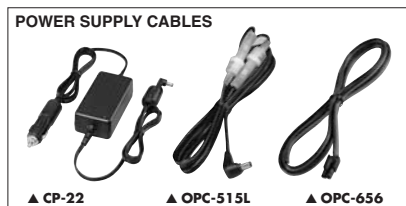
**REGULAR CHARGERS**  
**BC-179** BATTERY CHARGER + **BC-174** AC ADAPTER  
 Charges the BP-232N in 12 hours (approx.).  
**BC-171** DESKTOP CHARGER + **BC-147** AC ADAPTER  
 Charges the BP-232N in 10 hours (approx.).



**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.).



**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.



**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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