

IC-A15

Easy-to-use Ground Crew Radio

• Easy-to-use ground-to-air radio

The IC-A15 is ideal for ground crews working at airports and airfields. The IC-A15 is extremely easy to operate, making it ideal for large companies where the radios may have to be used by shift workers. The full-featured keypad allows direct input of channels and frequencies.

• 700mW loud audio with built-in BTL amplifier

In high-noise environments, it is essential for radio equipment to provide loud and clear audio. The IC-A15 employs a built-in BTL audio amplifier that doubles the audio output. As a result, it delivers 700mW of loud and clear audio.

• Large capacity Lithium-Ion battery

With the BP-232N, 2000mAh large capacity Lithium-Ion battery the IC-A15 provides stable output power and approximately 18 hours of operating time, more than enough to cover most shifts. The BP-261 battery case also takes 6 x AA (LR6) alkaline cells for convenient battery backup.

• Compact, water-resistant, rugged body

The IC-A15 is compact (120mm high), and lightweight (approximate 350g complete with BP-232N and antenna). The aluminium die-cast chassis is the basis of a rugged construction, giving long-life in a range of challenging environments. The IC-A15 series is designed to pass the MIL-STD-810 environmental tests and the IPX4 water-resistant rating, providing reliable operation in wet conditions.

• Alphanumeric LCD

An 8-character, 14-segment alphanumeric LCD allows all information to be clearly read. The LCD is backlit for night time operation.

• BC-179 battery charger

The BC-179 is a lightweight, cradle-style battery charger that allows you to charge the radio in limited spaces such as in a vehicle. The radio is securely held while charging, even in bumpy conditions.

Please note: the optional CP-22 cigar lead is required to successfully use the BC-179 in a vehicle.

Other features

- 200 memory channels
- 5W typ. (PEP), 1.5W (CW) output power
- Sidetone function allows you to hear your own voice via a third part aviation headset.
- Low battery indicator and low battery beep
- BNC type antenna connector
- Adjustable microphone gain setting



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-06* • Antenna, FA-B02AR
- Handstrap

SPECIFICATIONS

GENERAL

- Frequency range : 118.000–136.975MHz (COM)
- Type of emission : 6K00A3E
- Mode : AM
- Channel spacing : 25kHz
- No. of memory channels : 200 channels
- Antenna impedance : 50* (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
- 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 : Less than -36dBm (Except operating freq. ±1MHz point)
- Frequency stability : ±5ppm
- Microphone connector : 3-conductor 2.5 (d) mm (1/16")/ 150*

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 8* load, 30% modulation
- Ext. speaker connector : 3-conductor 3.5 (d) mm (1/8")/ 8*

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	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 : Li-Ion BATTERY PACK 7.4V, 950mAh (min.) 980mAh (typ.) Provides 8.5 hours* operating time (approx.). (* Tx (HI): Rx: stand-by= 5:5:90.)

BP-232N : Li-Ion BATTERY PACK 7.4V, 1900 mAh (min.) 2000mAh (typ.) Provides 18 hours* operating time (approx.). (* Tx (HI): Rx: stand-by= 5:5:90.)

BP-261 : BATTERY CASE
Battery case for AA (LR6)•6 alkaline cells.

REGULAR CHARGERS



BC-179 BATTERY CHARGER
+ **BC-06***1 AC ADAPTER
Charges the BP-232N in 12 hours (approx.).

BC-171 DESKTOP CHARGER
+ **BC-06***1 AC ADAPTER
Charges the BP-232N in 10 hours (approx.).

RAPID CHARGER



BC-160 DESKTOP CHARGER
+ **BC-145***1 AC ADAPTER
Charges the BP-232N in 3 hours (approx.).

BC-119N + **AD-106** + **BC-145***1 is also available.

MULTI-CHARGER



BC-197 MULTI-CHARGER
+ **BC-157S** AC ADAPTER
Rapidly charges up to 6 battery packs. Charging the BP-232N in 3 hours (approx.). Charger adapter AD-122 is supplied with the BC-197, depending on version.

BC-121N + **AD-106** + **BC-157S** is also available.

POWER SUPPLY CABLES



CP-22 : Cigarette lighter cable with DC-DC converter for use with BC-171/179. 12/24V DC input available.

CP-23L : Cigarette lighter cable for use with BC-119N.

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.