



## 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-147\* • 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 with 10 banks
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)	: 1.5A
Tx	: 50mA typical
Rx	: 500mA
Stand-by	: 500mA
Max. audio	: 500mA
• Operating temp. range	: -20°C to +55°C
• Dimensions (W×H×D)	: 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	: Less than -36dBm (Except operating freq. ±1MHz point)
• 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	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** : 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.



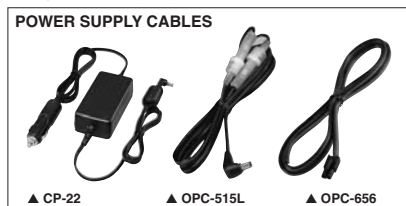
**BC-179 BATTERY CHARGER + BC-147\*\* AC ADAPTER**  
 Charges the BP-232N in 12 hours (approx.).  
**BC-171 DESKTOP CHARGER + BC-147\*\* AC ADAPTER**  
 Charges the BP-232N in 10 hours (approx.).



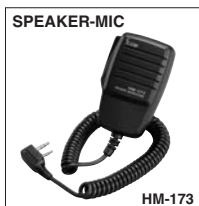
**BC-160 DESKTOP CHARGER + BC-145\*\* AC ADAPTER**  
 Charges the BP-232N in 3 hours (approx.).  
**BC-119N + AD-106 + BC-145\*\*** is also available.



**BC-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.



**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.



**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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**Icom Inc.** 1-1-32, Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 [www.icom.co.jp/world](http://www.icom.co.jp/world) **Count on us!**

**Icom America Inc.**  
 2380 116th Avenue NE,  
 Bellevue, WA 98004, U.S.A.  
 Phone: +1 (425) 454-8155  
 Fax: +1 (425) 454-1509  
 E-mail: sales@icomamerica.com  
 URL : http://www.icomamerica.com

**Icom New Zealand**  
 146A Harris Road, East Tamaki,  
 Auckland, New Zealand  
 Phone: +64 (09) 274 4062  
 Fax: +64 (09) 274 4708  
 E-mail: inquiries@icom.co.nz  
 URL : http://www.icom.co.nz

**Icom (UK) Ltd.**  
 Blacksole House, Altira Park,  
 Herne Bay, Kent, CT6 6GZ, U.K.  
 Phone: +44 (0)1227 741741  
 Fax: +44 (0)1227 741742  
 E-mail: info@icomuk.co.uk  
 URL : http://www.icomuk.co.uk

**Asia Icom Inc.**  
 6F No. 68, Sec. 1 Cheng-Teh Road,  
 Taipei, Taiwan, R.O.C.  
 Phone: +886 (02) 2559 1899  
 Fax: +886 (02) 2559 1874  
 E-mail: sales@asia-icom.com  
 URL : http://www.asia-icom.com

**Icom Canada**  
 Glenwood Centre #150-6165 Highway 17,  
 Delta, B.C., V4K 5B8, Canada  
 Phone: +1 (604) 952-4266  
 Fax: +1 (604) 952-0090  
 E-mail: info@icomcanada.com  
 URL : http://www.icomcanada.com

**Icom (Europe) GmbH**  
 Communication Equipment  
 Auf der Krautweide 24  
 65812 Bad Soden am Taunus, Germany  
 Phone: +49 (6196) 76685-0  
 Fax: +49 (6196) 76685-50  
 E-mail: info@icom-europe.com  
 URL : http://www.icomeurope.com

**Icom France s.a.s.**  
 Zac de la Plaine,  
 1 Rue Brindejone des Moulinais, BP 45804,  
 31505 Toulouse Cedex 5, France  
 Phone: +33 (5) 61 36 03 03  
 Fax: +33 (5) 61 36 03 00  
 E-mail: icom@icom-france.com  
 URL : http://www.icom-france.com

**Beijing Icom Ltd.**  
 10C07, Long Silver Mansion, No.88,  
 Yong Ding Road, Haidian District,  
 Beijing, 100039, China  
 Phone: +86 (010) 5889 5391/5392/5393  
 Fax: +86 (010) 5889 5395  
 E-mail: bjicom@bjicom.com  
 URL : http://www.bjicom.com

**Icom (Australia) Pty. Ltd.**  
 Unit 1 / 103 Garden Road,  
 Clayton, VIC 3168 Australia  
 Phone: +61 (03) 9549 7500  
 Fax: +61 (03) 9549 7505  
 E-mail: sales@icom.net.au  
 URL : http://www.icom.net.au

**Icom Spain S.L.**  
 Ctra. Rubi, No. 88 "Edificio Can Castanyer"  
 Bajos A 08174, Sant Cugat del Valles,  
 Barcelona, Spain  
 Phone: +34 (93) 590 26 70  
 Fax: +34 (93) 589 04 46  
 E-mail: icom@icomspain.com  
 URL : http://www.icomspain.com

**Icom Polska**  
 81-850 Sopot, ul. 3 Maja 54, Poland  
 Phone: +48 (58) 550 7135  
 Fax: +48 (58) 551 0484  
 E-mail: icompolska@icompolska.com.pl  
 URL : http://www.icompolska.com.pl

Your local distributor/dealer: