



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.

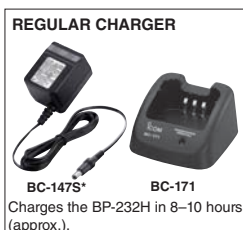


Battery packs	Type	Capacity	Operating time*
BP-230N	Rechargeable Li-ion	950 mAh (min.) 980 mAh (typ.)	8.5 hours (approx.)
BP-232H	Rechargeable Li-ion	2250 mAh (min.) 2300 mAh (typ.)	20 hours (approx.)
BP-261	AA (LR6) batteries × 6		-

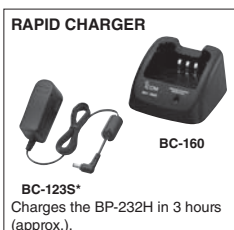
* Tx: Rx: standby = 5:5:90. Power save function ON.



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

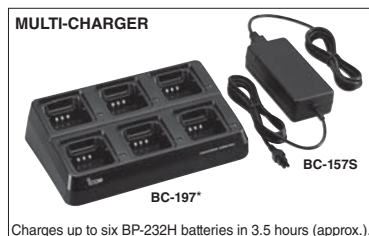


BC-147S*
Charges the BP-232H in 8-10 hours (approx.).



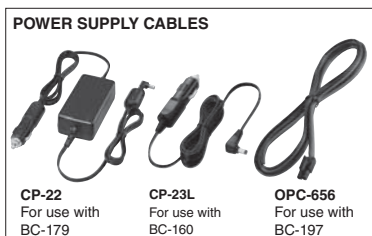
BC-123S*
Charges the BP-232H in 3 hours (approx.).

* BC-123/BC-147SA for USA plug. SE for Europe plug. SV for Australia plug.



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



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

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in Japan, the United States, the United Kingdom, Germany, France, Spain, Russia, Australia, New Zealand and/or other countries.

Icom Inc.

1-1-32, Kamiminami, Hirano-Ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

www.icom.co.jp/world

Count on us!

Icom America Inc.

12421 Willows Road NE, Kirkland, WA 98034, U.S.A.
Phone: +1 (425) 454-8155
Fax: +1 (425) 454-1509
E-mail: sales@icomamerica.com
URL: <http://www.icomamerica.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 Moulins, 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>

Shanghai Icom Ltd.

No.101, Building 9, Caifuxingyuan Park, No.188 Maoting Road, Chedun Town, Songjiang District, Shanghai, 201611, China
Phone: +86 (021) 6153 2788
Fax: +86 (021) 5765 9987
E-mail: bjicom@bjicom.com
URL: <http://www.bjicom.com>

Your local distributor/dealer:

Icom Canada

Glenwood Centre #150-6165 Highway 17A, 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 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 (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 Brazil

Rua Itororó, 444 Padre Eustáquio Belo Horizonte MG, CEP: 30720-450, Brazil
Phone: +55 (31) 3582 8847
Fax: +55 (31) 3582 8987
E-mail: sales@icombrasil.com

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>