



DUAL BAND FM TRANSCEIVERS

IC-W32A (U.S.A. version)

IC-W32E (Europe version)

Rugged
MIL-STD 810



▲ U.S.A. version

▲ Other versions

User-friendly dual banders with independent band controls

Icom technology brings you high performance, full-function handhelds, the IC-W32A and IC-W32E, that meet the demands of both the novice and experienced operator: simple operation and advanced features.

Independent band controls

The W32 series handhelds have separate tuning and volume controls for each band on the top panel. This conveniently allows independent adjustment of either band. And for added versatility Icom introduces the *VHF/UHF exchange function*. This function allows you to assign VHF/UHF tuning and volume to either knob—set your preferred band to the knob farthest from the antenna for easy access. Of course the frequency display changes in sync with this function.

Simultaneous receive of both bands

Independent main and sub bands allow you to receive both VHF and UHF simultaneously; or use the V/V and U/U functions for receiving 2 frequencies on the same band. Moreover, either operating band can be used in transmit regardless of whether it appears in its 'proper' display or not.

200 memory channels with memory name capability

100 memories for each band provide ample storage of most-used frequencies, repeater information, etc. Each channel can be assigned a name of up to 8 alpha characters from the keypad for easy recognition. This memory name function is also available for DTMF memory channels for auto patch dialing convenience.

Handheld-to-handheld cloning capability

Through the use of an optional cloning cable, information such as memory channels, memory names, etc. can easily be transferred from one IC-W32A/E to another. In addition, optional software allows you to clone and edit contents using a computer.

And more...

- A powerful 5W of output power (with BP-173)
- New guide function provides quick reference to key/switch functions and transceiver operation for easy "on the fly" operation
- Tone encoder and decoder (tone squelch) are standard
- LCD and keypad backlighting for night operation
- Mic. simple remote control function (optional HM-75A is required)
- Auto level adjusting squelch or use the manual squelch setting
- Crossband, full duplex capability
- Programmed, full and memory skip scan
- Auto power-OFF function
- Auto repeater function (U.S.A. version only)
- Weather channel receive capability (U.S.A. version only)
- An antenna, battery pack* and battery charger* are included

* Some versions include a battery case instead of these.

Icom Inc.

SPECIFICATIONS

GENERAL

• Frequency coverage : (Unit:MHz)

	VHF	UHF
U.S.A.	Tx: 144-148 Rx: 118-174*1	Tx: 440-450 Rx: 400-470*3
Europe, UK German	Tx: 144-146 Rx: 118-174*2	Tx: 430-440 Rx: 400-470*4
Italy	144-146	430-434, 435-438
Asia	Tx: 144-148 Rx: 118-174*1	430-440
Australia	144-148	430-440

Guaranteed range (MHz): **144-148, **144-146, **440-450, **430-440

- Mode : FM, AM*
(* Rx 118-136MHz: depending on version)
- Acceptable power supply : 4.5 to 16V DC
- Number of memory channels : 200 plus 2 call, 20 scan edges and 4 DTMF
- Tuning steps : 5, 10, 12.5, 15, 20, 25, 30 or 50kHz
- Usable temperature range : -10°C to +60°C (+14°F to +140°F)
- Frequency stability : ±5ppm (0°C to +50°C)

• Current drain (at 13.5V DC, typical):

	VHF	UHF
Tx	High	1.6A
	Low	500mA
Rx	Rated audio	210mA
	power saved	40mA

- Dimensions (WXHxD) : 57x137x33 mm; (w/BP-180 or BP-173) 2 1/4x5 1/32x1 1/16 in
- Weight (w/BP-173 and antenna) : 450g; 1lb

TRANSMITTER

- Output power (at 13.5V DC) : 5W or 500mW
- Modulation system : Variable reactance frequency modulation
- Max. frequency deviation : ±5.0kHz
- Spurious emissions : Less than -60dB
- External mic. connector : 3-conductor 2.5(d) mm (1/10") /2kΩ

Supplied accessories (* depending on version)

- Battery pack or case* • Wall charger*
- Antenna • Belt clip • Hand strap

RECEIVER

- Receiver system : Double conversion superheterodyne
- Intermediate frequencies : VHF 30.85/0.45MHz (1st/2nd) UHF 46.05/0.45MHz
- Sensitivity (for 12dB SINAD) : original band operation 0.16µV opposite band operation 0.32µV
- Squelch sensitivity : Less than 0.16µV
- Spurious and image rejection ratio : More than 60dB (VHF) More than 50dB (UHF) (Except 1/2 IF and 2nd image)
- Audio output power (at 13.5V DC) : More than 180mW (10% distortion with an 8Ω load)
- External speaker connector : 3-conductor 3.5(d) mm (1/8") /8Ω

The IC-W32A/E has been tested to and passed the MIL-STD requirements and strict environmental standard for shock (MIL 810C, D, E) and vibration (MIL 810C, D, E).

All stated specifications are subject to change without notice or obligations.

OPTIONS

BATTERY PACKS AND CASE

- BP-171** 4.8V/700mAh
- BP-172** 4.8V/950mAh
- BP-173** 9.6V/650mAh
- BP-180** 4.8V/600mAh
- BP-170** AA (LR6) batteries x4



Approx output powers and operating times. (at 25°C, Tx (high power) : Rx: Stand-by=1: 1: 8)

	BP-171	BP-172	BP-173	BP-180
VHF	1.5W/5.5h	1.5W/7.5h	5.0W/3.5h	3.5W/3.5h
UHF	1.3W/4.5h	1.3W/6.0h	4.5W/3.0h	3.5W/3.0h

SPEAKER-MICROPHONES



- HM-46** : Slim dimensions. Equipped with an earphone jack and transmit indicator.
- HM-75A** : Allows you to remotely select operating channels, etc., according to cloning.
- HM-131** : Compact and durable body with a revolving clip.

BC-119N DESKTOP CHARGER + AD-51 DESKTOP CHARGER ADAPTER



Rapidly charges battery packs BP-171, BP-172, BP-173 or BP-180. Both AC and DC can be used to power the charger. The AD-51 must be purchased separately. Some BC-119N versions require the AD-75 additionally.

CP-12/L CIGARETTE LIGHTER CABLE WITH NOISE FILTER OPC-254/L DC POWER CABLE



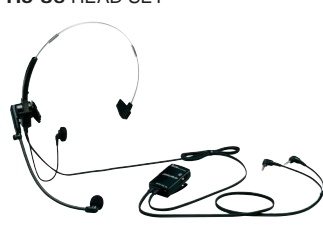
Allows you to operate the transceiver through a 12 V cigarette lighter socket or 4.5 to 16 V external DC power supply with the CP-12/L or OPC-254/L, respectively. The connected battery pack is charged simultaneously (12 to 16 V DC required).

BC-110A/DR/V WALL CHARGER



Standard wall charger. The same as supplied with some versions.

HS-85 HEAD SET



Allows you hands-free operation. Includes VOX, PTT, "one-touch PTT" (TOT).

SP-13 EARPHONE



Provides clear audio in noisy environments.

- CS-W32 CLONING SOFTWARE + OPC-478 CLONING CABLE** Provides quick and easy programming of memory contents via a PC.
- LC-128 CARRYING CASE** Usable with any battery pack.
- OPC-474 CLONING CABLE** Used for handheld-to-handheld data cloning.

Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 URL: <http://www.icom.co.jp/world/index.html>

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.

Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K. Phone: +44 (01227) 741741 Fax: +44 (01227) 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>

Your local distributor/dealer:

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 Himmelgeist Str. 100, D-40225 Düsseldorf, Germany Phone: +49 (0211) 346047 Fax: +49 (0211) 333639 E-mail: info@icomeurope.com URL: <http://www.icomeurope.com>

Icom France Sa

Zac de la Plaine, 1, Rue Brindejonc des Moulinais BP 5804, 31505 Toulouse Cedex, 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.

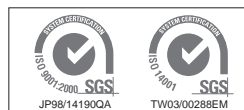
A.B.N. 88 006 092 575 Unit 1 / 103 Garden Road, Clayton VIC 3168 Australia Phone: +61 (03) 9549 7500 Fax: +61 (03) 9549 7505 E-mail: sales@icom.net.au URL: <http://www.icom.net.au>

Icom Spain S.L.

Ctra. de Gracia a Manresa Km. 14,750 08190 Sant Cugat del Valles Barcelona, Spain Phone: +34 (93) 589 26 70 Fax: +34 (93) 589 04 46 E-mail: icom@icomspain.com URL: <http://www.icomspain.com>

Icom Polska

Spot, 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>



Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.