

ICOM

DUAL BAND FM TRANSCEIVER

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

IC-W32E (Europe version)

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 5 W 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.



▲ U.S.A. version

▲ Other versions

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*2
Europe	144-146	430-440
Asia	Tx: 144-148 Rx: 118-174*1	430-440
Australia	144-148	430-440
Italy	Tx: 144-148 Rx: 136-174**	Tx: 430-440 Rx: 400-470*3

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

- Mode : FM, (U.S.A./Asia versions: AM Rx 118-136 MHz)
- Acceptable power supply : 4.5 to 16 V DC (negative ground)
- 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 50 kHz

- Usable temperature range : -10°C to +60°C (+14°F to +140°F)
- Frequency stability : ±5 ppm (0°C to +50°C)
- Current drain (at 13.5 V DC, typical) :

Tx	High	VHF	UHF
	Low	1.6 A	1.5 A
Rx	Rated audio	500 mA	600 mA
	Power saved	210 mA	40 mA

- Dimensions : 57(W) × 137(H) × 33(D) (w/BP-180 or BP-173, mm/in) 2 1/4(W) × 5 3/8(H) × 1 1/8(D)
- Weight (w/BP-173 and ant.) : 450 g (1 lb)

TRANSMITTER

- Output power (at 13.5 V DC) : 5 W or 500 mW
- Modulation system : Variable reactance frequency modulation
- Max. frequency deviation : ±5.0 kHz
- Spurious emissions : Less than -60 dB
- External mic connector : 3-conductor 2.5(d) mm (1/8") 2 kΩ

RECEIVER

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

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

OPTIONS

BATTERY PACKS AND CASE

BP-171
4.8 V, 700 mAh
BP-172
4.8 V, 950 mAh



BP-173
9.6 V, 650 mAh
BP-180
7.2 V, 600 mAh



BP-170
R6 (AA)
batteries x 4



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

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

SPEAKER-MICROPHONES



- HM-46 : Compact and lightweight. Equipped with an earphone jack.
- HM-54 : Durable, full-sized speaker-microphone.
- HM-75A : Allows you to remotely select memory channels, operating frequency, etc. Simple remote and normal remote are selectable.

BC-119 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-119 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).

MB-30 MOBILE
MOUNTING BRACKET

For mounting the transceiver on the inside door panel of a vehicle.

HS-85 HEADSET



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

SP-13 EARPHONE



Provides clear audio in noisy environments.

BC-110A/D/V WALL CHARGER

Regularly charges battery packs. The same as supplied with some versions.

CS-W32 CLONING SOFTWARE

+ OPC-478 CLONING CABLE

Provides quick and easy programming of items, including memory channels, memory names and set mode contents, for local repeater frequencies, etc.

OPC-474 CLONING CABLE

Used for handheld-to-handheld data cloning.

LC-128 CARRYING CASE

Usable with any battery pack.

Icom Inc. 6-9-16, Kamihigashi, Hirano-ku, Osaka 547, Japan Phone: 06 793 5302 Fax: 06 793 0013

Count on us!

Icom America Inc.

<Corporate Headquarters>
2380 118th Avenue N.E., Bellevue, WA 98004, U.S.A.
Phone: (425) 454-8155 Fax: (425) 454-1500
Telex: 152210 ICOM AMER BVUE

<Customer Service>
Phone: (425) 454-7619

Icom Canada

A Division of Icom America Inc.
3071 45 Road, Unit 9, Richmond, B.C., V6X 2T4, Canada
Phone: (604) 273-7400 Fax: (604) 273-1900

Icom (Australia) Pty. Ltd.

A.C.N. 006 092 575
290-294 Albert Street, Brunswick, Victoria, 3056, Australia
Phone: 03 9387 0988 Fax: 03 9387 0022

Icom (Europe) GmbH

Communication Equipment
Himmelgüter Str. 100, D-40225 Düsseldorf, Germany
Phone: 0211 346047 Fax: 0211 330639

Icom Telecomunicaciones s.l.

"Edificio Can Castanyer" Crta. Gracia a Manresa km. 14.750
08190 Sant Cugat Del Valles Barcelona, SPAIN
Phone: (3) 589 46 82 Fax: (3) 589 04 46

Icom (UK) Ltd.

Unit 9, Sea St., Home Bay, Kent, CT8 8LD, U.K.
Phone: 01227 741741 Fax: 01227 741742
Telex: 317210 SUPEAU G

Icom France S.a.

Zac de la Plaine, Rue Brindejonc des Moutains
BP 5804, 31505 Toulouse Cedex, France
Phone: 561 36 03 03 Fax: 561 36 03 09
Telex: 521515 ICOM FRA

Your local distributor/dealer: