

ICOM

DUAL BAND FM TRANSCEIVER

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

IC-W32E (Europe version)



▲ 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 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.

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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*1	Tx: 430-440 Rx: 400-470*3

Guaranteed range (MHz): *1144-148, *2440-450, *3430-440

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

- Dimensions : 57(W) × 137(H) × 33(D) (w/BP-180 or BP-173, mm/in) 2¼(W) × 5¼(H) × 1¼(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 (1/16")/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 ½ 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 × 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.

HS-85 HEADSET



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

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.

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.

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