

ICOM

DUAL BAND FM TRANSCEIVER

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

IC-W32E (Europe version)

Meets
MIL-STD 810

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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▲ U.S.A. version

▲ Other versions

SPECIFICATIONS

GENERAL

• Frequency coverage : (UNIT: MHz)

	VHF	UHF
U.S.A.	Tx: 144-148 Rx: 118-174*	Tx: 423-450 Rx: 400-473**
Europe	144-146	430-440
Asia	Tx: 144-146 Rx: 118-174*	430-440
Australia	144-148	450-460
Italy	Tx: 144-146 Rx: 138-174**	Tx: 430-440 Rx: 400-470**

*Guaranteed range (MHz): **44-48, **40-450, **430-440

• Modes : FM, (U.S.A./Asia versions)
AM Rx 118-130 MHz
4.5 to 18 V DC (negative ground)

• Acceptable power supply

• Number of memory channels

• Tuning steps

200 (12.5 kHz), 20 (each)
apex and 4 CTWF
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 (20 to 450°C)
- Current drain (at 13.5 V DC typical)

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

- Dimensions : 57(W) × 137(H) × 35(D)
(w/EP-120 or BP-178, mm) ; 2 1/8(W) × 5 3/8(H) × 1 3/8(D)
- Weight (w/EP-120 and ant.) : 450 g (1 lb)

TRANSMITTER

- Output power on 13.5 V DC : 5 W or 500 mW
- Modulation system : Variable resistance frequency modulation
- Max. frequency deviation : ±5.0 kHz
- Spurious emissions : Less than -60 dB
- External mic connector : 3-conductor
2.5/3.1 mm (7/8" x 1/2")

RECEIVER

- Receive system : Double conversion superheterodyne
- Intermediate frequencies : 1st: 21.4 MHz
2nd: 48.05/45 UHF
- Sensitivity (at 12.5 kHz) : original band operation
opposite band operation
0.16 μ V
0.32 μ V
- Selectivity : Less than 0.16 μ V
- Spurious and image rejection ratio : More than 60 dB (VHF)
More than 60 dB (UHF)
Exceeds IF 2nd stage
- Audio output power : More than 190 mW (10%
distortion with an 8 Ω load)
- External speaker connector : 3-conductor 3.5 (6) mm
(1 1/2" x 8 Ω)

*The IC-W32AE meets MIL-STD requirements and other environmental standards for shock (MIL-810C, D, E) and vibration (MIL-810C, D, E).

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

OPTIONS

BATTERY PACKS AND CASE

BP-171
4.5 V, 700 mAh

BP-173
8.6 V, 650 mAh

BP-170
8.6 (5A)
600 mAh



Approved output power and operating times:
at 13.5 V DC (High power) or Standby (12.5 Hz)

	BP-171	BP-172	BP-173	BP-180
VHF	1.5 W/4.8 h	1.0 W/6.0 h	1.0 W/3.0 h	3.5 W/3.0 h
UHF	1.3 W/6.0 h	1.5 W/7.5 h	4.5 W/3.5 h	3.5 W/3.3 h

SPEAKER/MICROPHONES



HM-46

HM-54

HM-75A

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

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

BC-119

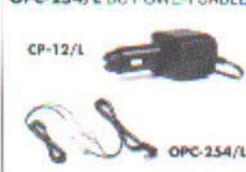
AD-51

Recharge 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 may be purchased separately. Some BC-119 versions require the AD-51 additionally.

HS-85 HEADSET



Allows you to hands-free operation. Includes VOX, PTT, tone search, PTT, CTC.

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

CP-12/L

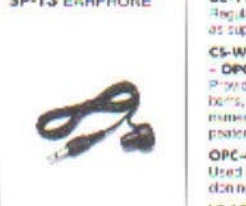
OPC-254/L

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 compact battery pack is charged simultaneously (18 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/C/D/V WALL CHARGER

Recharge battery packs. Same as supplied with some versions.

CS-W32 CLONING SOFTWARE

- OPC-478 CLONING CABLE

Provides quick and easy programming of beeps, including memory channels, memory names and scan mode commands, for local repeater frequencies, etc.

OPC-474 CLONING CABLE

Used for handheld-to-handheld cloning.

LC-128 CARRYING CASE

USB with carry battery pack.

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Certificate number 016180

Icom Inc. (Japan), is an
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acquired company.

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