ICOM

IC-E90



5 Watts on 50MHz, 144MHz and 430MHz

Enjoy a full 5 watts on all three bands from the supplied 1300mAh Lithium-Ion battery pack, BP-217. Along with the energy conserving settings, the BP-217 provides up to 5 to 6 hours*1 of operating time and greatly reduces both the size and weight needed to get full output power. Just recharge and go!

*1 Tx high: Rx: Stand-by duty ratio= 1: 1: 8

Wideband receiver — 495kHz to 999.990MHz*2

The IC-E90 offers a wideband AM, FM, and WFM scanning receiver. Not only you can hear your favorite TV programs with the pre-programmed TV memories, but also you can listen to shortwave. AM and FM broadcast radio stations with good sound quality.

*2 Receiver range differs from depending on versions.

Rugged palm sized*3, splash resistant construction This compact, lightweight radio is comfortable in the smallest of

hands, and offers full radio control for large fingers. The aluminum die-cast case and chassis is designed for the most rugged environments with splash resistance equivalent to JIS 4 specifications. *3 58(W)×87(H)×29(D) mm; 240g (With antenna and BP-217)

DTCS and CTCSS tone squelch

A standard feature of the IC-E90 is both DTCS and CTCSS encode and decode capability. Choose from either 104 DTCS or 50 CTCSS codes for receive and transmit, individually. In addition, a pocket beep function gives you an audio alert when a matched tone signal is received — a great feature for quiet, group operations.

DMS (Dynamic Memory Scan) bank scanning

With 555 alphanumeric memory channels, including 50 band edges and 5 call channels, Icom's DMS technology gives you flexible scanning lists. With a maximum of 18 banks or 100 channels per bank, you can pick and choose the desired channel for scanning from the 500 memories.

Rich in features but a simple operation

Simple, one-handed operation is the most valuable feature of the IC-E90. The backlit ten-key pad allows you to enter frequency, memory number and set various other features. The tuning knob can be customized for channel selection, or volume control.

Wait! There's more...

- DTMF encoder with 10 memories
- Morse code synthesizer indicates the frequency in morse code
- · Backlit LCD and keypad
- Auto squelch 13 scanning modes
- High speed scanning
- PC Programmable Antenna tip replaceable
- 5.5-11V DC operation Split operation
- Wide/narrow transmit capability



Icom Inc.

IC-E9

SPECIFICATIONS

• Frequenc	y coverag	(Unit: MHz)			
Version	50MHz	144MHz	430MHz	Receive	
EUR	50-52	144-146	430-440	0.495-29.995, 50-52,	
EUR-1	_	144-146	430-440	76-135.995,	
FRA	50.2-51.2	144-146	430-440	144-146, 430-440	
UK	50-52	144-146	430-440	0.495-999.990	
ITR		144-146			
ESP	_	144-146	430-440	50-50.2, 144-146, 430-440	

GENERAL

• Mode : FM, AM (Rx. only), WFM (Rx. only) No. of memory Ch. : 555 (500 reg., 50 scan edges, 5 call)

• Temperature range • Frequency stability -10°C to +60°C ±6ppm (-10°C to +60°C)

 Power supply 5.5 to 11V DC or specified battery pack

 Current drain (at 8.0V DC): High (5.0W)
Rated audio 2 OA tvr 220mA typ. standby Power saved 100mA typ. 35mA typ. (duty=1:4)

• Tuning steps (kHz) : 5, 6, 25, 8, 33, 9, 10, 12, 5, 15, 20, 25, 30, 50, 100, 200

 Antenna impedance : 50Ω (SMA) 58(W)×87(H)×29(D) mm Dimensions

(projections not included) Weight (approx.)

: 240g (with BP-217 and antenna)

TRANSMITTER

 Output power (8.0V DC): High 5W Low

 Spurious emissions : Less than –60dB Max. freq. deviation ±5.0kHz

• Ext. MIC connector : 3-conductor 2.5(d) mm/2kΩ

RECEIVER

 Receive system Double-conversion superheterodyne Intermediate freq. 69 45MHz (FM/AM) 1st

13.350MHz (WFM) 450kHz

0.4µV

 Sensitivity* (typ.;except spurious points): 1 625-4 995MHz

(at 12dB SINAD)

5-49.995MHz 0.18uV 50-54MHz 0.16uV 54.005-143.995MHz 0.18µ\ 144-148MHz 0.16µV 148.005-221.995MHz 0.4µV 222-225MHz

0.32µV 225.005-246.995MHz 0.4uV 247-429.995MHz 0.32uV 430–450MHz 0.16µV 0.32μV 1.0μV 450.005-832.995MHz 833-999.990MHz

WEM 40-108MHz 1µV 175-221.995MHz 1.8µV (at 12dB SINAD) 470-770MHz 3.2µV 0.495-4.995MHz 1.3µV AM (at 10dB S/N) 0.56μV 0.5μV 5-29 995MHz 118–136MHz 222-229 995MHz 0.79µV 320-329.995MHz 1µV Selectivity More than 15kHz/-9dB

(except WFM) Less than 30kHz/-50dB (half IE: 50dB IE: 40dB) More than 60dB (half IF : 50dB)

440MHz More than 50dB (IF : 60dB) Audio output power : 200mW typ. at 10% distortion/8Ω load

(at 25°C) • AF output impedance : 8Ω

Supplied accessories (*depending on version)

 Wall charger* (BC-110DR) Battery pack (BP-217) Swivel belt clip (MB-83) Antenna

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

OPTIONS

BATTERY PACK AND CASE BP-216 BP-217 R6 (AA) batteries × 2 Li-lon 7.4V/1300mAh

BATTERY PACKS AND CASE		BP-216	BP-217		
OUTPUT POWER		0.1W typ.	5.0W typ.		
BATTERY	50MHz	-	5hours		
LIFE	144/430MHz	_	6hours		

Battery life is approx.time; (Tx high: Rx: Stand-by=1: 1: 8)



Rapidly charges battery pack BP-217. Charging time (approx.): 2.5 hours.



Allows you to operate the transceiver with 11V DC output through a cigarette lighter socket (12V). The connected battery pack is charged simultaneously.



Helps protect the transceiver from scratches, etc. Fits any battery pack.



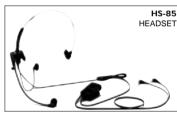
HM-46 : Slim dimensions. Equipped with an earphone lack and transmit indicator HM-75A: Allows you to remotely select operating channels, etc., according to cloning. HM-131 : Compact and durable body. Equipped with an earphone jack and a revolving



Flexible boom microphone and rotating earpad with a spring earhook. Use with the VS-1.



Allows you hands-free operation. Use with the HS-94.



For hands-free operation, Includes VOX, PTT and "one-touch" PTT with a time-out timer.



Prevents accidental dropping from your belt. Same as sup



Provides clear audio in noisy



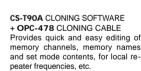
A light weight, compact earthat clips to your lapel



Allows you to connect a BNC-type antenna



Regularly charges battery packs. The same as sup plied with some versions.



OPC-474 CLONING CABLE Used for handheld-to-handheld data cloning.

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Icom Inc. (Japan), is an ISO9001 certification acquired company

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