



LPD FM TRANSCEIVER

IC-4088E

Simplicity, Quality and Reliability You Can Count on!

- 69 channels and 38 group codes
- Diversified range of use from family recreation to light commercial use
- Splash resistant construction, equivalent to JIS Grade 4 for outdoor use
- Enhanced conversation privacy with built-in voice scrambler
- Economical 3 alkaline cells can be used, with an ultra long 65 hours use possible
- 'Smart-ring' and 'Call-ring', plus Time-out-timer function
- Compact body and reliable communication range
- External DC power jack for charging



Icom Inc.

SPECIFICATIONS

- Number of channels : 69 (simplex; 433.075–434.775MHz)
- Mode : FM (F3E)
- Frequency stability : $\pm 2.5\text{kHz}$, $\pm 5.7\text{ppm}$
- Frequency resolution : 25kHz
- Battery requirements : 3 \times AA (R6) alkaline cells ; or optional BP-202
- External power supply : 6.0V DC $\pm 5\%$ (with BC-149D, CP-18E)
- Current drain (at 4.5V DC) : Less than 140mA
- Operating Temp. range : -10°C to $+55^{\circ}\text{C}$
- Number of CTCSS freq. : 38 (67.0–250.3Hz)
- Weight (approx.) : 200g (includes 3 alkaline cells)
- Output power : 10mW
- External MIC connector : 3-conductor 2.5 (d) mm/ 2.2k Ω
- Sensitivity (12dB SINAD) : Less than 0.2 μV ; $-14\text{dB}\mu\text{V}$
- Audio output power : More than 100mW at 10% distortion with an 8 Ω load
- External SP connector : 3-conductor 3.5 (d) mm/ 8 Ω

• Battery life (Tx:Rx:Standby=1:1:8) :

Battery type	Battery life
3 alkaline cells	approx. 65 hrs.
Optional BP-202	approx. 20 hrs.

• Communication range* : Up to 2km (approx.) (Wide, open space)

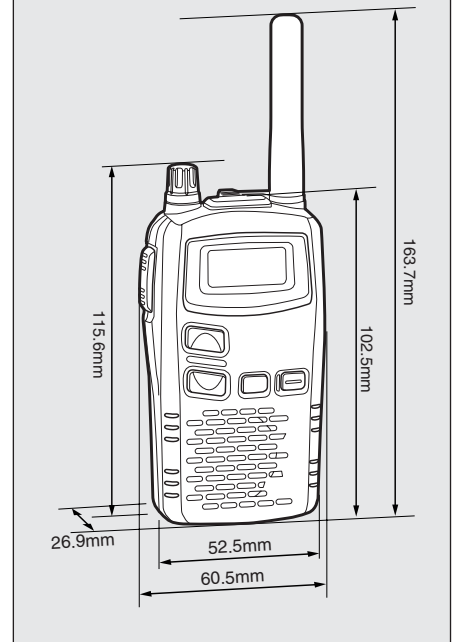
* Communication range may differ depending on weather conditions, etc.

Applicable U.S. Military Specifications

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

DIMENSIONS



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

* Simple licence is required in some countries. Voice scrambler not available in some countries.

OPTIONS



Install into the battery cell space in the transceiver.
3.6V/700mAh



6V DC, 1A output AC adapter. Charges the BP-202, while operating the radio.



6V DC, 2A output from 12V cigarette lighter socket with internal DC-DC converter.



Rapidly charges installed Ni-Cd battery cell assembly, BP-202. The charger adapter and the AC adapter supplied with the BC-119N depending on version. Charging time: 75 to 85 min.



HM-46 : Compact and lightweight. Equipped with an earphone jack.
HM-75A : Allows you to remotely select operating channels, etc.
HM-131 : Durable body. Equipped with an earphone jack and revolving clip.
HM-166 : Light weight and compact earphone-microphone with PTT switch that clips to your lapel.



HS-85 : For hands-free operation. Includes VOX, PTT and "one-touch" PTT with a time-out timer.
VS-1 : PTT/VOX unit. Required when using the HS-94, HS-95 and HS-97 with the transceiver.
HS-94 : Earhook headset with flexible boom microphone.
HS-95 : Behind-the-head headset with flexible boom microphone.
HS-97 : Throat microphone fits around your neck and picks up speech vibration.

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