



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 : ±2.5kHz, ±5.7ppm
- Frequency resolution : 25kHz
- Battery requirements : 3 × AA (R6) alkaline cells ; or optional BP-202
- External power supply : 6.0V DC ±5% (with BC-149D, CP-18E)
- Current drain (at 4.5V DC) : Less than 140mA
- Operating Temp. range : -10°C to +55°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/ 2.2kΩ
- Sensitivity (12dB SINAD) : Less than 0.2µV; -14dBµV
- Audio output power : More than 100mW at 10% distortion with an 8Ω load
- External SP connector : 3-conductor 3.5 (d) mm/ 8Ω

• 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)

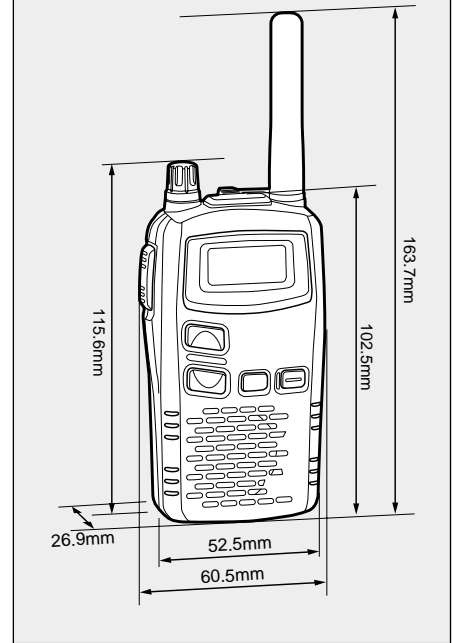
* Communication range may differ depending on weather conditions, etc.

Applicable U.S. Military Specifications

Icom makes rugged products that meet MIL-STD requirements and strict environmental standards as follows.

| 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 | 502.4-3 | I, II |
| Temp. Shock | 503.1 | I | 503.2 | I | 503.3 | I | 503.4 | I |
| Solar Radiation | 505.1 | I, II | 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, III |
| 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-128 : 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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