

ICOM

PMR446 FM TRANSCEIVER

IC-4088SR

PMR446
FM
TRANSCEIVER

Meets
MIL-STD 810

Professional Quality in Personal Communications

- 8 channels and 38 group codes
- Splash resistant construction, equivalent to JIS Grade 4 for outdoor use
- Built-in voice scrambler provides secure private communications
- Economical 3 alkaline cells or optional rechargeable Ni-Cd battery assembly
- Charge and use at the same time with various optional extras
- 'Smart-ring' and 'Call-ring', plus Time-out-timer function
- Compact body and reliable performance

Icom Inc.

SPECIFICATIONS

- Number of channels : 8 (simplex; 446.00625–446.09375MHz)
- Mode : FM (F3E)
- Frequency stability : ±2.5kHz, ±5.6ppm
- Frequency resolution : 12.5kHz
- 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 500mA
- Operating Temp. range : -20°C to +55°C
- Number of CTCSS freq. : 38 (67.0–250.3Hz)
- Weight (approx.) : 200g (includes 3 alkaline cells)
- Output power : 500mW ERP
- External MIC connector : 3-conductor 2.5 (d) mm/ 2.2kΩ
- Sensitivity (12dB SINAD) : 0.158μV typical
- 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. 28 hrs.
Optional BP-202	approx. 10 hrs.

• Communication range* : Up to 3km (approx.) (Wide, open space)

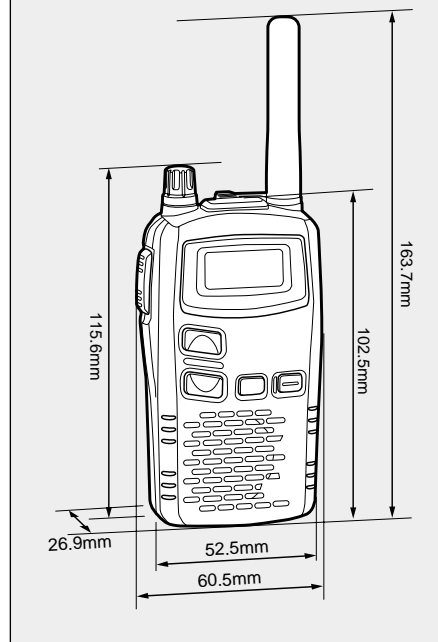
* Communication range may differ depending on weather conditions, etc.

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

BP-202 Ni-Cd BATTERY CELL ASSEMBLY

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

BC-149D WALL CHARGER

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

CP-18E CIGARETTE LIGHTER CABLE

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

BC-119N DESKTOP CHARGER + BC-145D/UK AC ADAPTER + AD-105 CHARGER ADAPTER

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.

SPEAKER-MIC. & EARPHONE-MIC.

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.

HEADSETS

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 comfortably.

Icom Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 URL: <http://www.icom.co.jp/world/index.html> **Count on us!**

Icom America Inc.
 <Corporate Headquarters>
 2380 116th Avenue N.E., Bellevue, WA 98004, U.S.A.
 Phone: +1 (425) 454-8155 Fax: +1 (425) 454-1509
 URL : <http://www.icomamerica.com>
 <Customer Service> Phone : (425) 454-7619

Icom Canada
 Glenwood Centre #150-6165 Highway 17,
 Delta, B.C., V4K 5B8, Canada
 Phone: +1 (604) 952-4266 Fax: +1 (604) 952-0090
 URL : <http://www.icomcanada.com>

Icom (Australia) Pty. Ltd.
 A.B.N. 88 006 092 575
 290-294 Albert Street, Brunswick, Victoria, 3056, Australia
 Phone: +61 (03) 9387 0666 Fax: +61 (03) 9387 0022
 URL : <http://www.icom.net.au>

Icom New Zealand
 146A Harris Road, East Tamaki, Auckland, New Zealand
 Phone: +64 (09) 274 4062 Fax: +64 (09) 274 4708
 URL : <http://www.icom.co.nz>

Icom (Europe) GmbH
 Communication Equipment
 Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
 Phone: +49 (0211) 346047 Fax: +49 (0211) 333639
 URL : <http://www.icomeurope.com>

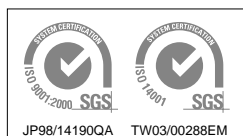
Icom Spain S.L.
 Crta. de Gracia a Manresa Km. 14,750
 08190 Sant Cugat del Valles Barcelona, SPAIN
 Phone: +34 (93) 590 26 70 Fax: +34 (93) 589 04 46
 URL : <http://www.icomspain.com>

Icom (UK) Ltd.
 Unit 9, Sea St., Herne Bay, Kent, CT6 8LD, U.K.
 Phone: +44 (01227) 741741 Fax: +44 (01227) 741742
 URL : <http://www.icomuk.co.uk>

Icom France S.a
 Zac de la Plaine, 1, Rue Brindejonc des Moulinais
 BP 5804, 31505 Toulouse Cedex, France
 Phone: +33 (5) 61 36 03 03 Fax: +33 (5) 61 36 03 00
 URL : <http://www.icom-france.com>

Asia Icom Inc.
 6F No. 68, Sec. 1 Cheng-Teh Road, Taipei, Taiwan, R.O.C.
 Phone: +886 (02) 2559 1899 Fax: +886 (02) 2559 1874
 URL : <http://www.asia-icom.com>

Beijing Icom Ltd.
 1305, Wanshang Plaza, Shijingshan Road, Beijing, China
 Phone: +86 (010) 6866 6337 Fax: +86 (010) 6866 3553
 URL : <http://www.bjicom.com>



Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.

Your local distributor/dealer: