



UHF TRANSCEIVER

IC-F21GM

Personal Communications with More Features, Power and Range!

- **GMRS** General Mobile Radio Service – simple license required
*Including 7 channels shared with **FRS** Family Radio Service channels*

A better communications solution

Perfect for sportsmen, families, clubs, hobbies, boating, camping, fishing, hunting – wherever you go where you need more power than a typical FRS radio offers.

Keep in touch for free – no cell phone fees!

Keep all your associates in touch instantly without the interruption of a public address system and complication of a cell phone.

8× more power than standard FRS (at maximum power)

Get a full 4 watts when you need it. Increase the range of your transmissions outdoors up to 5 *Plus* miles*, while the repeater function can be extended communication to 25 or more miles*. And indoors where obstacles and walls offer challenges to regular FRS radios. Crystal clear communications in almost any situation.

*Communications range may vary depending on operating environment, weather conditions. Repeater use may require a subscription.

More channels than a standard FRS

With the popularity of FRS, many of those channels are busy. Choose from 15 higher power GMRS channels to locate a quiet channel for your use. 7 channels are shared with FRS channels. You can also communicate with any FRS radios on these 7 channels.

Simple operation

All channels are pre-programmed internally. You simply select the ones you want and assign to the channel selector. Do it yourself, no programming required by your re-seller.

Operate right out of the box – simple license required

Apply for GMRS on-line at the FCC web site. Complete instructions included in the box. Operate immediately after FCC application*.

* Detail explained in the owner's manual.

Compact body

Measuring only $2\frac{1}{8} \times 5\frac{1}{32} \times 1\frac{15}{32}$ in, the IC-F21GM is truly portable. It's small enough to fit into a pocket. And, since it weight only 10.6 oz.*, you can carry one all day without fatigue or fuss.

* With standard BP-222 Ni-Cd battery pack

Other features

- Adjustable squelch
- Drop-in battery charger included
- Optional speaker mic and VOX headset available
- Optional alkaline or Ni-MH battery pack
- Built-in signaling capability (CTCSS & DTCS)
- Scanning and Tone Find functions
- Wide/narrow capability (12.5 or 25kHz)

Meets
MIL-STD 810



Icom Inc.

SPECIFICATIONS

- Frequency coverage : 462.550–467.725MHz
- Number of channels : 15
- Power supply requirement : 7.2V DC (negative ground)
- Current drain :
 - Tx High (4W) : 1.6A
 - Low1 (2W) : 1.2A
 - Low2 (1W) : 0.8A
 - Rx Rated audio : 250mA
 - Standby : 70mA
- Operating temperature range :
 - 30°C to +60°C ; –22°F to +140°F
- Dimensions (W×H×D) : 54×128×37 mm (proj. not included) 2 1/8×5 1/32×1 1/8 in
- Weight (with BP-222) : 300g (10.6oz)
- Output power (at 7.2V DC) : 4W, 2W or 1W
- External mic. connector : 3-conductor 2.5 (d) mm (1/8")/2.2kΩ
- Audio output power : 500mW (typical at 5% distortion with an 8Ω load)
- External speaker connector : 2-conductor 3.5 (d) mm (1 1/8")/8Ω

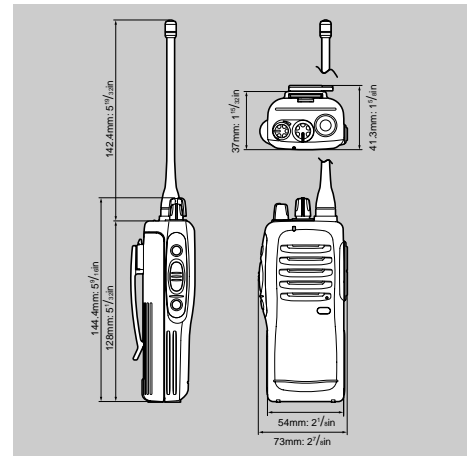
Supplied accessories:

- Battery pack; BP-222
- Battery charger; BC-146
- Antenna; FA-SC57U
- Belt clip; MB-68
- AC adapter; BC-147A

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	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



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

OPTIONS

BP-208 AA (R6) batteries × 6	BP-209 Ni-Cd 7.2V/1100mAh BP-222 Ni-Cd 7.2V/600mAh	BP-210 Ni-MH 7.2V/1650mAh	BP-211 Li-Ion 7.4V/1800mAh
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BATTERY PACKS AND CASE	BP-208	BP-209	BP-210	BP-211	BP-222
OUTPUT POWER	1W typ.	4W typ.	4W typ.	4W typ.	4W typ.
BATTERY LIFE	–	8.5hours	13hours	14hours	4.5hours

Battery life is approx. time; (Tx (H)): Rx: standby=5:5:90

BC-146 DESKTOP CHARGER + BC-147A/E AC ADAPTER
Charges the Ni-Cd or Ni-MH battery pack, BP-209, BP-210, BP-222 with/without transceiver in 12, 18.5, 6.5 hours (approx.), respectively. The BC-147 AC adapter is additionally required. Cannot charge Li-Ion battery pack, BP-211.

BC-144 DESKTOP CHARGER + BC-145A/E/V AC ADAPTER
For rapid charging of battery pack, BP-209, BP-210 or BP-222. An AC adapter, BC-145, is supplied with the charger depending on version. Charging time: 1.5 to 2 hours. Cannot charge Li-Ion battery pack, BP-211. **BC-119N+AD-101+BC-145A/E/V** rapidly charges BP-211 as well as other battery packs.

BC-121N MULTI-CHARGER + AD-101 CHARGER ADAPTER + BC-124 AC ADAPTER
For rapid charging of up to 6 battery packs (Six AD-101s are required), BP-209, BP-210, BP-211 or BP-222. An AC adapter, BC-124, may be supplied, depending on version. Charging time: 1.5 to 2 hours.

SPEAKER-MICROPHONES

HM-46L: Slim dimensions. Equipped with an earphone jack and a transmit indicator.
HM-75A: Allows you to remotely select operating channel, etc., according to program.
HM-128L: Light weight earphone-mic. Compact microphone with PTT Switch clips to your lapel.

HEADSETS

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 a speech vibration.
VS-1L: VOX/PTT unit. Required when using these headsets with the transceiver.
HS-51: Headset is also optionally available. Includes VOX, PTT and "one-touch" PTT with a time-out timer. (UHF only in U.S.A. and Canada)

- AD-98FSC ANTENNA CONNECTOR ADAPTER**
Allows you to connect a BNC-type antenna. (For maintenance use only)
- FA-SC73US STUBBY ANTENNA**
Convenient for carrying in your pocket. (60mm)
Freq. range: 450–490MHz
- MB-74 BELT CLIP**
Alligator type.
- MB-68 BELT CLIP**
Same as that supplied.
- OPC-656 DC POWER CABLE**
For use the BC-121N with a DC power supply (12-20 V DC).
- SP-13 EARPHONE**
Provides clear audio in noisy environment.

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Certificate Number Q14190
Icom Inc. (Japan), is an ISO9001 certification acquired company.

Your local distributor/dealer: