

Personal and Business Use, All In One Radio

- **GMRS**

General Mobile Radio Service – simple license required

Including 7 channels shared with

FRS Family Radio Service channels

- **BRS**

Business Radio Service – license required

Combine Them As You Wish!



Use them for pleasure...



...AND for work!



A better communications solution for pleasure...

For sportsmen, families, clubs, hobbies, boating, camping, fishing, hunting, biking, hiking, skiing and other leisure time activities. An FRS upgrade for more features, more power, and longer range.

...Or for business use

The perfect on-site communications solution designed for small business, hotels, hospitality, landscape, nursery, etc. who need economical and instant two-way communications. Also a wireless intercom solution for large retailers, warehouses, etc.

Increase productivity & reduce cost

Keep all your associates in-touch instantly without the interruption of a public address system or the expense and complication of a cell phone. Answer customer inquiries, check stock, arrange special handling, and provide better service to your customers right from the retail sales floor. Increase productivity and improve service.

4x more power than standard FRS

Get a full 2 watts when you need it. Increase the range of your transmissions outdoors up to 5 miles*, and indoors where obstacles and walls offer challenges to your current equipment. Crystal clear communications in almost any situation!

* Communications range may vary depending on operating environment, weather conditions.

More channels than a standard FRS

With the popularity of FRS, many of those channels are busy. Choose from 36 higher power BRS or GMRS channels to locate a quiet channel for your use. 7 channels of GMRS are shared with FRS channels. You can communicate with any FRS radio 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. A simple radio for anyone to operate, even those not familiar with radios.

Military rugged construction

Don't let the light weight or compact body fool you. This is a military spec. rugged radio that can take abuse and keep working. Don't worry about special training to protect them.

Other features

- Compact and light weight
- "Frequency Find" feature
- "Tone Find" feature (group code)
- Built-in CTCSS signaling capability
- Wide/narrow capability (12.5 or 25kHz wide channels)
- Adjustable squelch
- Drop-in battery charger included
- Optional speaker mic and VOX headset available
- Optional alkaline or Ni-MH battery pack

SPECIFICATIONS

- Frequency coverage : 462.550–469.550MHz
- Number of channels : 2 from 36 channels
- Power supply requirement : 7.2V DC (negative ground)
- Current drain :
 - Tx 1.2A
 - 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 15/32 in
- Weight (with BP-222) : 300g; 10.6 oz
- Output power (at 7.2V DC) : less than 2W
- External mic. connector : 3-conductor 2.5 (d) mm (1/10")/2.2kΩ
- Audio output power : 500mW (typical at 5% distortion with an 8Ω load)
- External speaker connector : 2-conductor 3.5 (d) mm (1/8")/8Ω

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

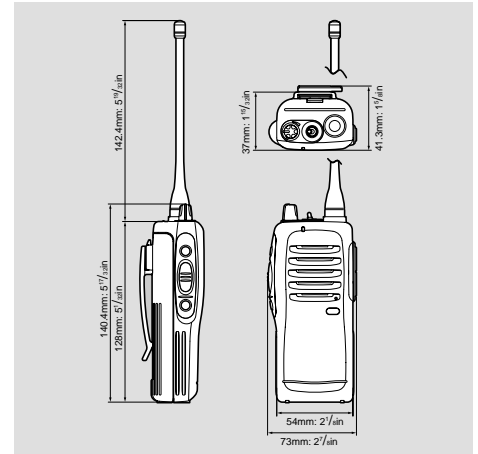
Supplied accessories:

- 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

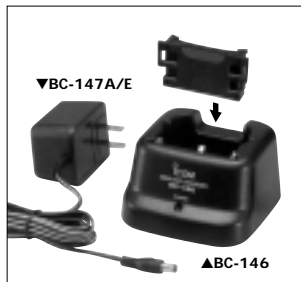


OPTIONS

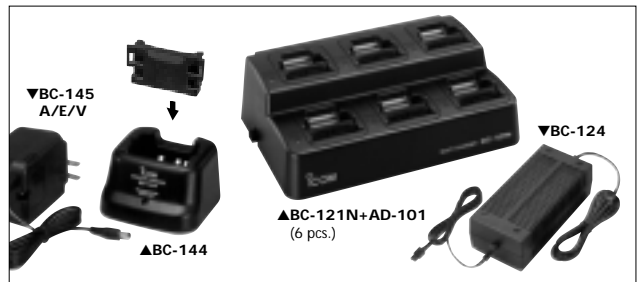


BATTERY PACKS AND CASE	BP-208	BP-209	BP-210	BP-211	BP-222
OUTPUT POWER	1W typ.	2W typ.	2W typ.	2W typ.	2W typ.
BATTERY LIFE	–	10hours	15.5hours	16.5hours	5.5hours

Battery life is approx. time; (Tx (Hi): 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.



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-131L: Compact and durable body. Equipped with an earphone jack and a revolving clip.
HM-128L: Light weight earphone-mic. Compact microphone with PTT Switch clips to your lapel.



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 case. 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: