

IC-F21BR

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

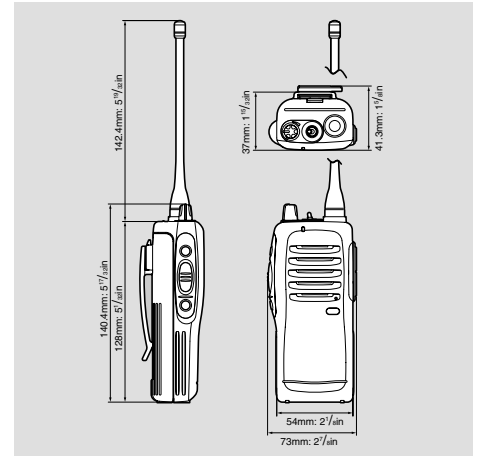
SPECIFICATIONS

- 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 1/2 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% (at 7.2V DC) distortion with an 8Ω load)
- External speaker connector : 2-conductor 3.5 (d) mm (1/8")/8Ω

Supplied accessories:

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

The IC-F21BR meets MIL-STD requirements and strict environmental standard for shock (MIL 810C, D, E) and vibration (MIL 810C, D, E).



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

OPTIONS

BATTERY PACKS AND CASE

BP-208	BP-209	BP-210	BP-222
AA (R6)	Ni-Cd	Ni-MH	Ni-Cd
batteries × 6	7.2V/1100mAh	7.2V/1650mAh	7.2V/600mAh

BATTERY PACK	OUTPUT POWER	BATTERY LIFE	BATTERY PACK	OUTPUT POWER	BATTERY LIFE
BP-208	1W typ.	—	BP-210	2W typ.	15.5hours
BP-209	2W typ.	10hours	BP-222	2W typ.	5.5hours

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

BC-146 BATTERY CHARGER



Charges the battery pack, BP-209, BP-210 or BP-222 with/without transceiver in 12, 18.5, 6.5 hours (approx.), respectively. The BC-147 AC ADAPTER and AD-99 COMBINATION SPACER are supplied with the BC-146.

▼BC-145 A/E/V

▲BC-144

▼BC-124

▲BC-121+AD-94 (6 pcs.)

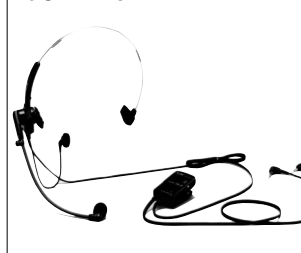
BC-144 DESKTOP CHARGER + BC-145A/E/V AC ADAPTER
For rapid charging of battery pack, BP-209, BP-210 or BP-222. An AC adapter, BC-145, is supplied with the charger depending on version. Charging time: 1.5 to 2 hours. BC-119 is also available for rapid charging.
BC-121 MULTI-CHARGER + AD-94 (#1) DESKTOP CHARGER ADAPTER + BC-124 AC ADAPTER
For rapid charging of up to 6 battery packs (Six AD-94s are required), BP-209, BP-210 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-131L: Compact and durable speaker. Equipped with an earphone jack and a revolving clip.

H5-51 HEADSET



For hands-free operation. Includes VOX, PTT and "one-touch" PTT with a time-out timer.

HM-128L EARPHONE-MICROPHONE



Ideal for hands-free operation by clipping the Mic. with PTT switch to your lapel or breast pocket.

MB-74 BELT CLIP



Alligator type. Clips to almost anything in a variety of convenient places.
MB-68 is also available. Same as that supplied.

SP-13 EARPHONE
Provides clear audio in noisy environment.
FA-SC73US STUBBY ANTENNA
60mm stubby antenna convenient for carrying in your pocket.
AD-98FSC ANTENNA CONNECTOR ADAPTER
Allows you to connect a BNC-type antenna. (For maintenance use only)

Icom Inc.

1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: 06 6793 5302 Fax: 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: (425) 454-8155 Fax: (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: (604) 952-4266 Fax: (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: 03 9387 0666 Fax: 03 9387 0022
URL : <http://www.icom.net.au>

Icom New Zealand

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

Icom (Europe) GmbH

Communication Equipment
Himmelgeister Str. 100, D-40225 Düsseldorf, Germany
Phone: 0211 346047 Fax: 0211 333639
URL : <http://www.icomeurope.com>

Icom Spain S.L.

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

Icom (UK) Ltd.

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

Icom France S.a

Zac de la Plaine, Rue Brindejone des Mouliniers
BP 5804, 31505 Toulouse Cedex, France
Phone: 561 36 03 03 Fax: 561 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: (02) 2559 1899 Fax: (02) 2559 1874



Certificate Number Q14190

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

Your local distributor/dealer: