

ICOM

VHF AND UHF TRANSCEIVERS

IC-F11
(VHF transceiver, rotary type)

IC-F11S
(VHF transceiver, toggle type)

IC-F21
(UHF transceiver, rotary type)

IC-F21S
(UHF transceiver, toggle type)



Perfect for Business, Big or Small

The on-site communications solution

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.

Keep in touch without interruption

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 at the same time you improve service.

Twice as much power than other models

Use a full 5/4 watts when you need it, or select a lower setting if you don't...you decide. Increase the range of your transmissions out-doors, and indoors where obstacles and walls offer challenges to your current equipment. Crystal clear communications.

Simple controls, easy to use

Transmit button, volume control and channel selector are all you need. All three controls may be operated without removing from your belt. The perfect business tool that doesn't require training to use. Great for high turnover or retail shift situations.

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. Just put them out in the workplace and let them do their job.

Wide/narrow capability - a good investment

May be operated on 12.5 or 25kHz wide channels. Easy transition to the new narrow channels as regulations will move in that direction in several years. A good investment that will adapt to the future. Won't be obsolete as the rules change.

Multiple group and individual selective calling

Use the built-in signaling capability (2-tone, 5-tone, CTCSS, DTCS) to set up your own talk groups and quiet the radio when others are talking. You can set up selective calls to individuals too. Keep private communications private and eliminate unnecessary interruptions and gossip in the workplace.

Other features

- Compact and lightweight - carry all day with no fatigue
- Ni-Cd battery and drop-in battery charger* included (* depending on versions)
- Optional speaker mic, VOX headset, and much more
- Optional alkaline or Ni-MH battery pack

Meets
MIL-STD 810



IC-F21
Rotary type radio



IC-F21S
Toggle type radio

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage
IC-F11/IC-F11S : 146–174MHz
IC-F21/IC-F21S : 440–470MHz
- Type of emission
: 16K0F3E (25kHz)
8K50F3E (12.5kHz)
- PLL channel step
: 2.5kHz, 3.125kHz (VHF)
5kHz, 6.25kHz (UHF)
- Power supply requirement : 7.2V DC
- Current drain (approx.)
Tx High (5W/4W) : 1.6A
Rx Rated audio : 250mA
Standby : 70mA
- Frequency stability : ±5ppm (VHF)
±2.5ppm (UHF)
- 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-209)
: 310g; 10.9oz

TRANSMITTER

- Output power (at 7.2V DC) : 5W, 2W or 1W (VHF)
4W, 2W or 1W (UHF)
- Max. frequency deviation : ±5.0kHz (at 25kHz)
±2.5kHz (at 12.5kHz)
- Spurious emissions : 73dBc typ.
- Adjacent channel power : 70dB typ. (at 25kHz)
60dB typ. (at 12.5kHz)
- External mic. connector : 3-conductor 2.5 (d) mm
(1/16")/2.2kΩ

RECEIVER

- Sensitivity : 0.25µV typ. (at 12dB SINAD)
- Squelch sensitivity : 0.3µV typ. (at threshold)
- Adjacent channel selectivity : 70dB typ. (at 25kHz)
65dB typ. (at 12.5kHz)
- Spurious response rejection : 70dB typ.
- Intermodulation rejection : 70dB typ.

- Audio output power : 500mW (typical at 5% distortion with an 8Ω load) (at 7.2V DC)
- External speaker connector : 2-conductor 3.5 (d) mm (1/8")/8Ω

Supplied accessories:

- Battery pack; BP-209
- Belt clip; MB-68
- Antenna (Varies from versions)
- Battery charger; BC-146*
- AC adapter; BC-147*
- * depending on version

The IC-F11/S and IC-F21/S meets MIL-STD requirements and strict environmental standard for shock (MIL 810C, D, E) and vibration (MIL 810C, D, E).

Measurements made in accordance with EIA-152-C/204D or TIA-603. All stated specifications are subject to change without notice or obligation.

OPTIONS

BATTERY PACKS AND CASE

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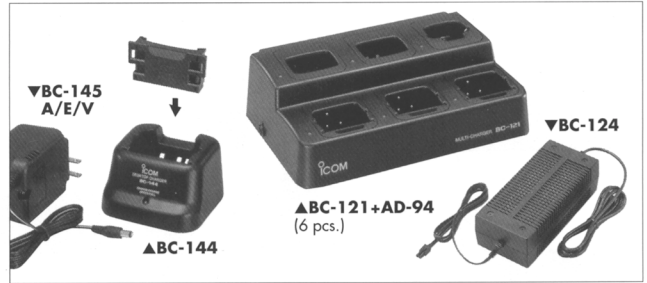


BATTERY PACKS AND CASE	BP-208	BP-209	BP-210	BP-222
OUTPUT POWER	1W typ.	5/4W typ.	5/4W typ.	5/4W typ.
BATTERY LIFE	–	8.5hours	13hours	4.5hours

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



BC-146 DESKTOP CHARGER + BC-147A/E AC ADAPTER
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 is additionally required.



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 (#11) 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 body. Equipped with an earphone jack and a revolving clip.

HS-51 HEADSET



For hands-free operation. Includes VOX, PTT and "one-touch" PTT with a time-out timer. (UHF only in U.S.A. and Canada)

HM-128L EARPHONE-MICROPHONE



The light weight earphone-mic. has a compact microphone with PTT Switch that clips to your lapel.

STUBBY ANTENNAS



FA-SC57VS	Freq. range
FA-SC56VS	146–162MHz
FA-SC57VS	160–174MHz
FA-SC73US	450–490MHz

- AD-98FSC ANTENNA CONNECTOR ADAPTER**
Allows you to connect a BNC-type antenna. (For maintenance use only)
- HS-94 EARHOOK-HEADSET + VS-1L VOX SWITCH CASE**
Flexible boom microphone and rotating earbud with a spring earhook.
- MB-74 BELT CLIP**
Alligator type. Clips to almost anything in a variety of convenient places.
- MB-68 BELT CLIP**
Same as that supplied.
- 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.