



VHF AND UHF TRANSCEIVERS

IC-F12

(VHF transceiver, 16 channel type)

IC-F22

(UHF transceiver, 16 channel type)

IC-F12S

(VHF transceiver, 2 channel type)

IC-F22S

(UHF transceiver, 2 channel type)



▲IC-F12S/F22S

- Simple operation with minimum switches
- CTCSS, DTCS, 2-tone and 5-tone capability
- MIL specification rugged construction
- Powerful 5W of VHF and 4W of UHF output power
- Selectable 12.5kHz and 25kHz spacing in each channel
- Sixteen position rotary channel type or Two position toggle channel type
- Long life Ni-MH battery pack and alkaline battery case
- Optional speaker-mic. VOX headset

*Simple but
effective for
your Business*

◀IC-F12/F22



Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage :
IC-F12/S 146–174MHz
IC-F22/S 440–470MHz
- Channel spacing : 25kHz and 12.5kHz
- PLL channel step :
IC-F12/S 2.5kHz or 3.125kHz
IC-F22/S 5kHz or 6.25kHz
- Power supply requirement : 7.2V DC (negative ground)
- Current drain (approx.) :
Tx High (IC-F12/S: 5W) 1.6A
(IC-F22/S: 4W) 1.6A
Rx Rated audio 250mA
Standby 70mA
- Frequency error : ±1.5kHz (wide)
±2.5kHz (narrow)
- Operating temperature range : –25°C to +55°C
- Dimensions (proj. not included) : 54(W)×128(H)×37(D)mm
- Weight (with BP-209) : 310g

TRANSMITTER

- Output power (at 7.2V DC) :
IC-F12/S 5W, 2W or 1W
IC-F22/S 4W, 2W or 1W
- Max. frequency deviation : ±5.0kHz (wide)
±2.5kHz (narrow)
- Spurious emissions : 0.25µW (below 1GHz)
- Adjacent channel power : 70dB (wide)
60dB (narrow)
- External mic. connector : 3-conductor 2.5(d)mm / 2.2kΩ

RECEIVER

- Sensitivity (at 20dB SINAD) : 0.63µV emf typ.
- Squelch sensitivity : 0.3µV typ. (threshold)
- Adjacent channel selectivity : 70dB (wide)
60dB (narrow)
- Spurious response rejection : 70dB

- Intermodulation rejection : 65dB
- Audio output power : 500mW typ. (at 5% distortion with an 8Ω load)
- External speaker connector : 2-conductor 3.5(d)mm / 8Ω

Supplied accessories:

- Battery pack; BP-209
- Belt clip; MB-68
- Antenna

The IC-F12/S and IC-F22/S meet MIL-STD requirements and strict environmental standards for shock (MIL 810C, D, E) and vibration (MIL 810C, D, E).

Measurements made in accordance with ETS 300 086. 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 PACKS AND CASES	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)

REGULAR CHARGER



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.

RAPID CHARGERS



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 cloning.
HM-131L: Compact and durable body. Equipped with an earphone jack and a revolving clip.



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



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

SP-13 EARPHONE



Provides clear audio in noisy environments.

BELT CLIPS



MB-74: Alligator type. Clips to almost anything in a variety of convenient places.
MB-68: Same as that supplied.

AD-98FSC ANTENNA CONNECTOR ADAPTER



Allows you to connect a BNC-type antenna. (For maintenance use only)

STUBBY ANTENNAS



	Freq. range	Length	Ring Color
FA-SC56VS	146–162MHz	80mm	Red
FA-SC57VS	160–174MHz	80mm	Green
FA-SC73US	450–490MHz	60mm	Red

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Certificate Number Q14190

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

