



VHF AND UHF TRANSCEIVERS

IC-F3062T

(VHF transceiver with 10-keypad)

IC-F4062T

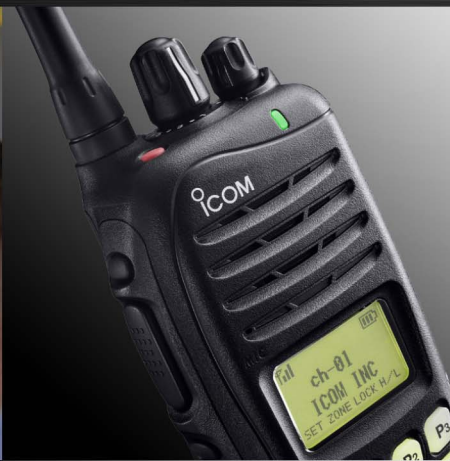
(UHF transceiver with 10-keypad)

IC-F3062S

(VHF transceiver without 10-keypad)

IC-F4062S

(UHF transceiver without 10-keypad)



F3062 F4062 Series



Icom Inc.

DIGITAL READY* FOR THE NARROW B

* With UT-119H installed.



VHF TRANSCEIVERS

IC-F3062T

With 10-keypad

IC-F3062S

Without 10-keypad

UHF TRANSCEIVERS

IC-F4062T

With 10-keypad

IC-F4062S

Without 10-keypad

IP54/55 Dust-protection and splash, water jet resistance

The IC-F3062 series meets IP54/55 requirements for dust-protection, splash and water jet resistance. Its durable construction is backed up by the aluminum die-cast chassis and polycarbonate casing, allowing reliable operation under harsh weather and environmental conditions.

Lithium-Ion battery pack

Supplied 2000mAh Li-Ion battery pack, BP-232, provides 14 hours* of operating time. Icom's rugged dual-rail guide securely locks the battery to the radio. Optional battery case BP-240 provides a convenient back up and great reassurance in an emergency.

* Typical operation Tx:Rx:Stand-by=5:5:90, power save on

Most popular signalings built-in

The IC-F3062 series has built-in 2-Tone, 5-Tone, CTCSS and DTCS signaling capabilities as standard for group communication or selective calling. Also, the IC-F3062 series can decode ten 2-Tone codes or eight 5-Tone codes on a channel. When a matched tone is received, the following actions are programmable for each code.

- Beep sound
- Bell icon
- Auto TX
- Answer back call
- Stun/kill radio
- Scan

Wide frequency range and large channel capacity

The IC-F3062 series covers a wide frequency range in one version (VHF 136–174 MHz, UHF 400–470MHz). The 512 memory channel capacity with 128 zones allows you to divide and store a variety of flexible channel groupings. Memory channel selection can be made with a simple rotation of the rotary channel knob. Wide, middle and narrow channel bandwidth (25/20/12.5kHz)* is also programmable.

* Programmable 25/12.5kHz or 20/12.5kHz

Voting mode scanning

The Voting mode scanning detects the S-meter level of repeater stations and automatically selects the strongest station, useful for roaming between 2 or more repeater sites. In addition, the IC-F3062 series has 10 scanning modes including priority scan and double priority scan.

AND FUTURE

Full dot-matrix LCD

Using a large full dot-matrix LCD (32 × 18 mm), the IC-F3062 series shows upper and lower case characters clearly. The display setting is selectable from 1 line, 12 characters or 2 lines 24 characters via programming. The bottom row shows assigned functions to the [P0] to [P3] buttons.



Enhanced audio

The IC-F3062 series employs a BTL amplifier that increases the audio output and the built-in audio compander provides clear, low noise communications.

Built-in inversion-type voice scrambler

The built-in inversion type voice scrambler provides secure conversion as standard. When a more secure system is required, the 32 code non-rolling-type voice scrambler UT-109R and 1020 code rolling type UT-110R are available as an option.

BIIS 1200 compatible

The following selective calling and data features are available with the built-in BIIS system.

- 32 abbreviated call memories
- 7 group IDs
- 24-status Messages
- Send 8-character SDM (Short Data Message)
- Receive up to 95 characters of free text

Other features

- Built-in basic LTR® trunking capability.
- 8 DTMF autodial memories
- 2 step reduced power setting
- Power on password
- Busy, repeater lockout functions
- Radio stun and kill functions disable a lost or stolen unit over the air
- Surveillance function temporarily turns off the LED backlight and beep sound
- Powerful 5W output both VHF and UHF
- Flash CPU for future upgrade and more...

OPTIONS

Some options may not be available in some countries. Please ask your dealer for details.

BATTERY PACKS AND CASE



Battery packs	Type and capacity	Operating time*	Output power
BP-230	Li-Ion 7.4V/ 800mAh	6 hours	5W
BP-231	Li-Ion 7.4V/1150mAh	8 hours	5W
BP-232	Li-Ion 7.4V/2000mAh	14 hours	5W
BP-240	AAA (LR03) batteries × 6	—	1W

* Operating time is approximate time (at 20°C). Tx: Rx: standby=5:5:90. Power save on.

REGULAR CHARGER



BC-171 DESKTOP CHARGER + BC-147 AC ADAPTER
Charges the battery pack in 8–10 hours (approx.).

RAPID CHARGER



BC-160 DESKTOP CHARGER + BC-145 AC ADAPTER
Charges the BP-232 in 3 hours (approx.).
BC-119N + AD-106 + BC-145 is also available.

POWER SUPPLY CABLES



CP-17L CIGARETTE LIGHTER CABLE, OPC-515L DC POWER CABLE
For use with the BC-160 or BC-119N. (12–16V DC required).

MULTI-CHARGER



BC-121N MULTI-CHARGER + AD-106 CHARGER ADAPTER + BC-157 AC ADAPTER
Rapidly charges up to 6 battery packs (Six AD-106s are required). Charging time: 3 hours (approx.) when BP-232 is attached.
OPC-656 DC POWER CABLE :For use with the BC-121N. (12–20V DC required).

BELT CLIPS AND LEATHER BELT HANGERS



MB-93 : Swivel type belt clip.
MB-94 : Alligator type. Same as supplied.
MB-96N : Swivel type belt hanger.
MB-96F : Fixed type belt hanger.

HEADSETS and PTT/VOX UNIT



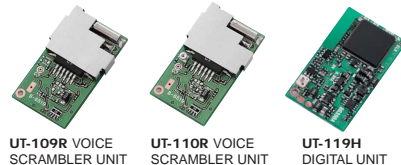
HS-94 : Earhook headset with flexible boom microphone.
HS-95 : Behind-the-head headset with flexible boom microphone.
HS-97 : Throat microphone fits around your neck and picks up speech vibration.
VS-15C : PTT/VOX unit. Required when using these headsets with the transceiver.

SPEAKER-MICROPHONES



HM-1315C : Compact type speaker microphone.
HM-1595C : Full size durable speaker microphone with revolving clip.

INTERNAL UNITS



UT-109R : Up to 32 scrambling codes are available. 40-Pin type.
UT-110R : Up to 1020 scrambling codes are available. 40-Pin type.
UT-119H : Digital unit. Provides 6.25kHz digital capability.

EARPHONE



SP-13 : EARPHONE.
AD-52 : EARPHONE ADAPTER
Provides clear audio even in noisy environments.

STUBBY ANTENNAS



FA-SC56VS : 150–162MHz
FA-SC57VS : 160–174MHz
FA-SC73US : 450–490MHz

ANTENNAS
FA-SC25V : 136–150MHz
FA-SC55V : 150–174MHz
FA-SC25U : 400–430MHz
FA-SC57U : 430–470MHz
FA-SC72U : 470–520MHz

6.25kHz digital mode ready

DIGITAL

The optional UT-119H digital unit provides 4FSK/FDMA modulation and 6.25kHz digital narrow channel spacing, which is half the channel spacing of the existing analogue PMR system. It increases efficiency of channel allocation and use of spectrum. The IC-F3062 series series is ready for 6.25kHz digital narrow mode!

The IC-F3062 series provides 2 optional slots: one optional slot for the UT-119H digital unit and one for another option board.

Ask your dealer for availability.



SPECIFICATIONS

GENERAL

- Frequency range :
IC-F3062T/S 136–174MHz
IC-F4062T/S 400–470MHz
- Number of channels : 512 channels/128 zones
- Channel spacing : 12.5kHz/20kHz/25kHz,
6.25kHz (option)
- PLL channel step : 2.5kHz, 3.125kHz
- Antenna impedance : 50Ω
- Usable temperature range : –25°C to +55°C
- Power supply requirement : 7.2V DC nominal
- Current drain (at 7.2V DC; approx.):
Transmit at 5W/5W 1.5A/1.8A (VHF/UHF)
Receive stand-by 95mA
rated output 600mA
- Dimensions : 53 (W) × 136 (H) × 38.5 (D) mm
(projections are not included)
- Weight (approx.) : 340g (with BP-232)

TRANSMITTER

- Output power : 5W (VHF), 5W (UHF)
- Max. frequency deviation : ±5.0/4.0/2.5kHz (Wide/middle/narrow)
- Frequency error : ±1.0ppm
- Spurious emissions : 0.25μW (≤1GHz)
1.0μW (>1GHz)
- Adjacent channel power : 80dB typ. (Wide, middle)
70dB typ. (Narrow)
- Residual modulation : 55/53/50dB typ. (Wide/middle/narrow)
(With CCITT filter)
- Audio harmonic distortion : 3% typ. (AF 1kHz, 40% deviation)
- Modulation limiting : 60–100% of max. deviation
- Ext. microphone connector: 9-pin multi connector/ 2.2kΩ

Measurements made in accordance with EN 300-086.

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

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RECEIVER

- Intermediate frequency : 1st 46.35MHz
2nd 450kHz
- Sensitivity : –4dBμV typ. (emf, at 20dB SINAD)
- Squelch sensitivity : –4dBμV typ. (emf, at threshold)
- Adjacent channel selectivity : 75/75/68dB typ. (Wide/middle/narrow)
- Spurious response : 70dB min.
- Intermodulation : 67dB typ.
- Hum and noise ratio : 55/53/50dB typ. (Wide/middle/narrow)
(with CCITT filter)
- Audio output power : 500mW typ.
(at 5% distortion with an 8Ω load)
- External speaker connector: 9-pin multi connector/ 8Ω

SUPPLIED ACCESSORIES

(May differ according to version)



• VHF Antenna

• UHF Antenna

• Battery pack, BP-232

• Belt clip, MB-94

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