



## 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.

# ADVANCED TECHNOLOGY FOR THE FU



▲ IC-F3062T

▲ IC-F4062S

## 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

The 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. The 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
- Auto TX
- Stun/kill radio
- Bell icon
- Answer back call
- 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.

# UTURE NOW!

## 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 conversation 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 12-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...

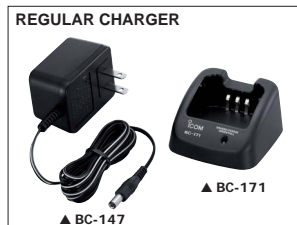
## OPTIONS

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



Battery packs	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

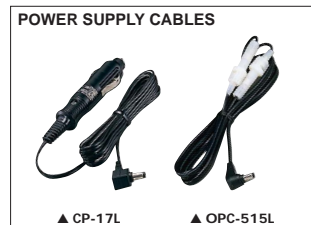
\* Operating time is approximate time (at 20°C). Tx: Rx: standby=5:5:90. Power save on.



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



**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.



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



**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).



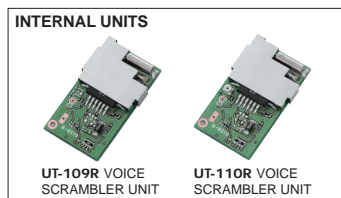
**MB-93** : Swivel type belt clip.  
**MB-94** : Alligator type. Same as supplied.  
**MB-96N** : Swivel type belt hanger.  
**MB-96F** : Fixed type belt hanger.



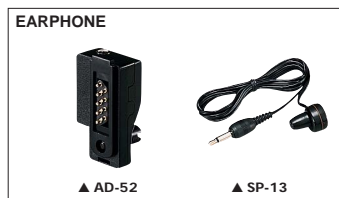
**HS-94**: Earhook headset with flexible boom microphone.  
**HS-95**: Behind-the-head headset with flexible boom microphone.  
**HS-97**: Throat microphone fits around your neck and picks up speech vibration.  
**VS-15C**: PTT/VOX unit. Required when using these headsets with the transceiver.



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



**UT-109R**: Up to 32 scrambling codes are available. 40-pin type.  
**UT-110R**: Up to 1020 scrambling codes are available. 40-pin type.



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



**FA-SC56VS** : 150–162MHz  
**FA-SC57VS** : 160–174MHz  
**FA-SC73US** : 450–490MHz  
**ANTENNAS**  
**FA-SC25V** : 136–150MHz  
**FA-SC55V** : 146–174MHz  
**FA-SC25U** : 400–430MHz  
**FA-SC57U** : 430–470MHz  
**FA-SC72U** : 470–520MHz

## Future digital mode capability

# DIGITAL

An optional upgrade to 6.25kHz digital operation is planned in the near future.

Icom is currently researching the regulatory requirements for use in Europe for the 6.25kHz 4FSK/FDMA technology.



## 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
• 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)
• 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)



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