



VHF AND UHF TRANSCEIVERS

IC-F3063T

(VHF transceiver with 10-keypad)

IC-F4063T

(UHF transceiver with 10-keypad)

IC-F3063S

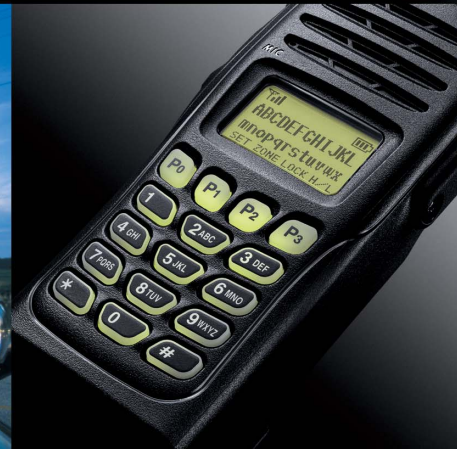
(VHF transceiver without 10-keypad)

IC-F4063S

(UHF transceiver without 10-keypad)



F3063 F4063 Series



Icom Inc.

LTR[®]/Conventional/Digital* – Multi-Mode

* With UT-119H installed.



▲ IC-F3063T

▲ IC-F4063S

VHF TRANSCEIVERS

IC-F3063T

With 10-keypad

IC-F3063S

Without 10-keypad

UHF TRANSCEIVERS

IC-F4063T

With 10-keypad

IC-F4063S

Without 10-keypad

Basic LTR[®]/Conventional mixed mode operation

The IC-F3063 series provides LTR[®]/conventional mixed mode operation. Group, selective (DTMF), and phone call are available in LTR[®] mode.

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

The IC-F3063 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-F3063 series has built-in 2-Tone, 5-Tone, CTCSS and DTCS signaling capabilities as standard for group communication or selective calling. Also, the IC-F3063 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-F3063 series covers a wide frequency range in one version (VHF 136–174 MHz, UHF 400–470MHz or 450–520 MHz). 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 and narrow channel bandwidth (25/12.5kHz, 30/15kHz) is also programmable.

Land Mobile!

Full dot-matrix LCD

Using a large full dot-matrix LCD (32 × 18 mm), the IC-F3063 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.



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-F3063 series has 10 scanning modes including priority scan and double priority scan.

Enhanced audio

The IC-F3063 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.

Other features

- BLS 1200 compatible
- 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 and more...

OPTIONS

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

BATTERY PACKS AND CASE

▲ BP-230 ▲ BP-231 ▲ BP-232 ▲ BP-240

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-147 ▲ BC-171

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

RAPID CHARGER

▲ BC-145 ▲ BC-160

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 ▲ OPC-515L

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+AD-106 (6 pcs.) ▲ OPC-656 ▲ BC-157

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 ▲ MB-96F

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 ▲ HS-95 ▲ HS-97 ▲ VS-15C

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-131SC ▲ HM-159SC

HM-131SC : Compact type speaker microphone.
HM-159SC : Full size durable speaker microphone with revolving clip.

INTERNAL UNITS

▲ UT-109R VOICE SCRAMBLER UNIT ▲ UT-110R VOICE SCRAMBLER UNIT ▲ UT-119H DIGITAL UNIT

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

▲ AD-52 ▲ SP-13

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

STUBBY ANTENNAS

▲ FA-SC56VS ▲ FA-SC57VS ▲ FA-SC73US

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

A first in the industry. With the optional UT-119H, the IC-F3063 series provides 6.25kHz digital narrow mode communication, and increases efficiency of channel allocation and use of spectrum. The IC-F3063 series provides 2 optional slots: one optional slot for the UT-119H digital unit and one for another option board.

This option may not be available in some countries. Please ask your dealer for details.



SPECIFICATIONS

GENERAL	
• Frequency range	: IC-F3063T/S 136–174MHz IC-F4063T/S 400–470MHz 450–520MHz
• Number of channels	: 512 channels/128 zones
• Channel spacing	: 12.5kHz/25kHz, 15kHz/30kHz, 6.25kHz (option)
• PLL channel step	: 2.5kHz, 3.125kHz
• Antenna impedance	: 50Ω
• Usable temperature range	: –30°C to +60°C
• Power supply requirement	: 7.2V DC
• Current drain (at 7.2V DC; approx.):	
Transmit VHF/UHF	1.5A/1.8A (at 5W/5W)
Receive stand-by	95mA
rated output	600mA
• Dimensions (with BP-232)	: 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	: ±5kHz (Wide) ±2.5kHz (Narrow)
• Frequency error	: ±1.0ppm
• Spurious emissions	: 75dB typ.
• Adjacent channel power	: 80dB typ. (Wide), 70dB typ. (Narrow)
• FM Hum and Noise	: 46dB typ. (Wide) 40dB typ. (Narrow)
• Audio harmonic distortion	: 3% typ. (AF 1kHz, 40% deviation)
• Modulation limiting	: 60–100% of max. deviation
• External microphone connector :	9-pin multi connector/ 2.2kΩ

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

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RECEIVER	
• Intermediate frequency	: 1st 46.35MHz 2nd 450kHz
• Sensitivity	: 0.25μV typ. (at 12dB SINAD)
• Squelch sensitivity	: 0.25μV typ. (at threshold)
• Adjacent channel selectivity	: 75dB typ. (Wide) 68dB typ. (Narrow)
• Spurious response	: 70dB min.
• Intermodulation	: 74dB typ.
• Hum and noise ratio	: 46dB typ. (Wide) 40dB typ. (Narrow)
• 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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