



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



512ch / 128 zones

Conventional/ LTR® mode

2-Tone, 5-Tone CTCSS, DTCS

VHF 5W, UHF 5W Output

IP54/ IP55

Full dot-matrix LCD

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-232N, provides 14 hours* of operating time. Icom's rugged dual-rail guide securely locks the battery to the radio. In addition, 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

- BIIS 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-230N ▲ BP-232N ▲ BP-240

Battery packs	Type and capacity	Operating time*	Output power
BP-230N	Li-Ion 7.4V/ 980mAh	7.35 hours	5W
BP-232N	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 BP-232N in 10 hours (approx.).

RAPID CHARGER

▲ BC-145 ▲ BC-160

BC-160 DESKTOP CHARGER + BC-145 AC ADAPTER
Charges the BP-232N 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). Charges the BP-232N in 3 hours (approx.).
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-124R MAN DOWN 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.
UT-124R: Automatically sends an emergency signal when the transceiver is left in a horizontal position for a preset time. 40-pin type.

EARPHONE

▲ SP-13

SP-13 EARPHONE + AD-52 EARPHONE ADAPTER
Provides clear audio even.
AD-52 is required.

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

CUT ANTENNAS
FA-SC61VC : 136–174MHz
FA-SC61UC : 380–520MHz
Cut the antenna element to tune to a specific center frequency.

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-232N) : 53 (W) ×136 (H) ×38.9 (D) mm
(projections are not included)
- Weight (approx.) : 338g (with BP-232N)

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

Applicable U.S. Military Specifications

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810C		MIL 810D		MIL 810E		MIL 810F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4-3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	–
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	–
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

SUPPLIED ACCESSORIES

(May differ according to version)



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