



VHF AND UHF TRANSCEIVERS

IC-F34GT

(VHF transceiver with 10-keypad)

IC-F44GT

(UHF transceiver with 10-keypad)

IC-F34GS

(VHF transceiver without 10-keypad)

IC-F44GS

(UHF transceiver without 10-keypad)



Advanced Model



- 256 ch / 16 zones
- 2-Tone, 5-Tone CTCSS, DTCSS
- BIIS 1200 compatible
- 15-16 hrs. operating time with BP-232N
- 8-character LCD display
- Optional voice scrambler

Advanced functions packed in a tough, lightweight body

The IC-F34G series is suitable for a variety of needs — large or small, mobile or stationary. Whether you are on a large-scale construction site, warehouse, hospital or hotel, or operating a small on the go messenger service, this radio provides the built-in flexibility to handle all your communication needs. Offering advanced features such as wide frequency range, multiple signaling and loud audio, the IC-F34G series is a rugged and reliable 2-way communications tool. This is the new direction in PMR communications.



Lithium-Ion battery pack

Supplied 2000mAh (typ.) Li-Ion battery pack, BP-232N, provides 15/16 hours* of operating time. Li-Ion technology has virtually no memory charging issues. A 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.

* UHF/VHF, typical operation Tx:Rx: Stand-by=5:5:90, power save on.

Wide frequency range and large channel capacity

The IC-F34G series covers a wide frequency range in one version (136–174, 400–470MHz). Wide, middle and narrow channel bandwidth* is programmable to each channel. The 256 memory channel capacity with 16 memory zones allows you to divide and store a variety of flexible channel groupings. Easy memory channel selection is possible with a simple rotation of the rotary channel knob.

(* Programmable 25/12.5kHz or 20/12.5kHz)

Small and lightweight body

The IC-F34G series sheds size and weight compared with previous models, weighing just 340g (including BP-232N) and measuring only 53(W)×120(H)×36.9(D) mm. The aluminum die-cast chassis and polycarbonate casing combination has been tested to MIL standard specifications.

Built-in multi-format tone signaling

Use the built-in CTCSS, DTCS, 2-Tone, 5-Tone or BIIS capability to set up your own talk groups and quiet stand-by when others are talking. You can also set up selective calls to individuals or control a repeater.

VHF TRANSCEIVERS

IC-F34GT

With 10-keypad

IC-F34GS

Without 10-keypad

UHF TRANSCEIVERS

IC-F44GT

With 10-keypad

IC-F44GS

Without 10-keypad



Multiple 5-Tone, Multiple 2-Tone

Encode or decode up to 8 5-Tone, 10 2-Tone codes on a single memory channel. This is perfect for professionals who require multiple district paging on one channel. When a matched tone is received, the following items are programmable for each code.

- Bell icon
- Answer back
- Stun
- Beep sound
- Auto transmit
- Scan
- 8-character text

8 programmable buttons

The [P0]–[P3], [▲], [▼], [Red] and [Monitor] buttons are programmable to meet specific needs. The [Red] button on the top panel can be assigned as an emergency trigger.

Alphanumeric display

The 8-character alphanumeric display shows channel, zone, tone code and scanning list name on the display. A separate row of operational icons indicate battery, signal strength, RX/TX and other radio conditions.

Audio compander

The built-in audio compander reduces noise components and provides clear reception even in narrow band use.

Built-in voice scrambler

The IC-F34G series includes a built-in inversion type voice scrambler in all models. When a more secure system is required, the optional voice scrambler unit UT-109 or UT-110 is available.

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

- 8 DTMF autodial memories
- 2 step reduced power setting
- Power saver
- Power on password
- Busy, repeater lockout functions
- Optional man down unit, UT-124
- Flash ROM CPU
- Optional headset and speaker microphone available 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* (VHF/UHF)	Output power (VHF/UHF)
BP-230N	Li-Ion, 7.4V 950mAh (min.) 980mAh (typ.)	7.35/7.35 hours	5W/4W
BP-232N	Li-Ion, 7.4V 1900mAh (min.) 2000mAh (typ.)	16/15 hours	5W/4W
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-147S ▲ BC-171

BC-171 DESKTOP CHARGER + BC-147S AC ADAPTER**
Charges the BP-232N in 10 hours (approx.).

** BC-145/BC-147SA for 120V AC. SE for 230V AC. SV for 240V AC. BC-145SUK for 230V AC.

RAPID CHARGER



▲ BC-145S ▲ BC-160

BC-160 DESKTOP CHARGER + BC-145S AC ADAPTER**
Charges the BP-232N in 3 hours (approx.).

BC-119N + AD-106 + BC-145S** is also available. : Charges the BP-232N in 3 hours (approx.).

POWER SUPPLY CABLES



▲ CP-23L ▲ OPC-515L

CP-23L 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-1L

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-1L : PTT/VOX unit. Required when using these headsets with the radio.

SPEAKER-MICROPHONES



▲ HM-158L ▲ HM-159L ▲ HM-166L ▲ HM-159L

HM-158L : Compact and durable body with screw-type connector.

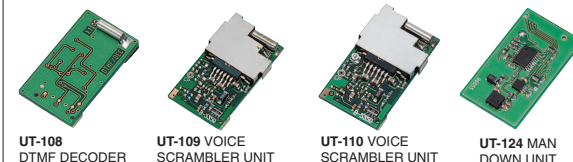
HM-159L : Full size durable speaker microphone.

HM-153L : Durable earphone-microphone with revolving clip.

HM-166L : Light-weight earphone-microphone with revolving clip.

SP-13 : EARPHONE Provides clear audio in noisy environments.

INTERNAL UNITS



UT-108 DTMF DECODER UT-109 VOICE SCRAMBLER UNIT UT-110 VOICE SCRAMBLER UNIT UT-124 MAN DOWN UNIT

UT-108 : Provides DTMF, Selective call and ANI capabilities.

UT-109 : Up to 32 scrambling codes are available. Version 02 is required.

UT-110 : Up to 1020 scrambling codes are available. Version 02 is required.

UT-124 : Automatically sends an emergency signal when the transceiver is left in a horizontal position for a preset time.

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

SPECIFICATIONS

GENERAL

- Frequency range :
 - IC-F34GT/GS 136–174MHz
 - IC-F44GT/GS 400–470MHz
- Number of channels : 256 channels/16 zones
- Type of emission : 8K50F3E, 14K0F3E, 16K0F3E
- Channel spacing : 12.5kHz/20kHz/25kHz
- PLL channel step : 2.5kHz, 3.125kHz (VHF)
5kHz, 6.25kHz (UHF)
- 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/4W 1.5A/1.7A (VHF/UHF)
 - at 1W 0.7A/0.8A (VHF/UHF)
 - Receive stand-by 85mA
 - rated output 300mA
- Dimensions (with BP-232N) : 53 (W) × 120 (H) × 36.9 (D) mm
(projections are not included)
- Weight : 340g (with BP-232N and ANT)

TRANSMITTER

- Output power VHF : 5W, 2W, 1W (Hi, Low2, Low1),
UHF 4W, 2W, 1W (Hi, Low2, Low1)
- Max. frequency deviation : ±5.0/4.0/2.5kHz (Wide/middle/narrow)
- Frequency error : ±1.5kHz
- Spurious emissions : 0.25μW (below 1GHz)
1.0μW (above 1GHz)
- Adjacent channel power : 70dB (Wide, middle)
60dB (Narrow)
- Audio harmonic distortion : 3% typ. (AF 1kHz, 40% deviation)
- Modulation limiting : 60–100% of max. deviation
- Ext. microphone connector: 3-conductor 2.5 (d) mm/2.2kΩ

Measurements made in accordance with EN 300-086.

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

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia and/or other countries. All other trademarks are the properties of their respective holders.

RECEIVER

- Sensitivity : –4dBμV typ. (emf, at 20dB SINAD)
- Adjacent channel selectivity :
 - VHF 75/75/65dB typ. (Wide/middle/narrow)
 - UHF 73/73/63dB typ. (Wide/middle/narrow)
- Spurious response : 70dB
- Intermodulation : 67dB typ.
- Hum and noise ratio (with CCITT filter) :
 - VHF 55/53/50dB typ. (Wide/middle/narrow)
 - UHF 45/44/40dB typ. (Wide/middle/narrow)
- Audio output power : 500mW typ.
(at 5% distortion with an 8Ω load)
- External speaker connector: 2-conductor 3.5 (d) mm /8Ω

Applicable U.S. Military Specifications

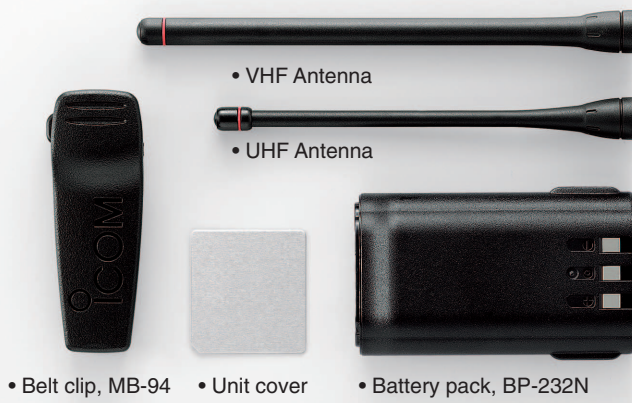
Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810F	
	Method	Procedure
Low Pressure	500.4	I, II
High Temperature	501.4	I, II
Low Temperature	502.4	I, II
Temperature Shock	503.4	I
Solar Radiation	505.4	I
Rain	506.4	I, III
Humidity	507.4	–
Salt Fog	509.4	–
Dust	510.4	I
Vibration	514.5	I
Shock	516.5	I, IV

Also meets equivalent MIL-STD-810-C, -D and -E.

SUPPLIED ACCESSORIES

(May differ according to version)



Icom Inc.

1-1-32, Kami-minami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

www.icom.co.jp/world

Count on us!

Icom America Inc.

2380 116th Avenue NE,
Bellevue, WA 98004, U.S.A.
Phone : +1 (425) 454-8155
Fax : +1 (425) 454-1509
E-mail : sales@icomamerica.com
URL : http://www.icomamerica.com

Icom Canada

Glenwood Centre #150-6165 Highway 17,
Delta, B.C., V4K 5B8, Canada
Phone : +1 (604) 952-4266
Fax : +1 (604) 952-0090
E-mail : info@icomcanada.com
URL : http://www.icomcanada.com

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,
Clayton, VIC 3168 Australia
Phone : +61 (03) 9549 7500
Fax : +61 (03) 9549 7505
E-mail : sales@icom.net.au
URL : http://www.icom.net.au

Icom New Zealand

146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone : +64 (09) 274 4062
Fax : +64 (09) 274 4708
E-mail : inquiries@icom.co.nz
URL : http://www.icom.co.nz

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone : +49 (6196) 76685-0
Fax : +49 (6196) 76685-50
E-mail : info@icom-europe.com
URL : http://www.icomeurope.com

Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"
Bajos A 08174, Sant Cugat del Valles,
Barcelona, Spain
Phone : +34 (93) 590 26 70
Fax : +34 (93) 589 04 46
E-mail : icom@icomspain.com
URL : http://www.icomspain.com

Icom (UK) Ltd.

Blacksale House, Altira Park,
Herne Bay, Kent, CT6 6GZ, U.K.
Phone : +44 (01227) 741741
Fax : +44 (01227) 741742
E-mail : info@icomuk.co.uk
URL : http://www.icomuk.co.uk

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejonc des Moulinais, BP 45804,
31505 Toulouse Cedex 5, France
Phone : +33 (5) 61 36 03 03
Fax : +33 (5) 61 36 03 00
E-mail : icom@icom-france.com
URL : http://www.icom-france.com

Icom Polska

81-850 Sopot, ul. 3 Maja 54, Poland
Phone : +48 (59) 550 7135
Fax : +48 (59) 551 0484
E-mail : icompolska@icompolska.com.pl
URL : http://www.icompolska.com.pl

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone : +886 (02) 2559 1899
Fax : +886 (02) 2559 1874
E-mail : sales@asia-icom.com
URL : http://www.asia-icom.com

Beijing Icom Ltd.

10C07, Long Silver Mansion, No.88,
Yong Ding Road, Haidian District,
Beijing, 100039, China
Phone : +86 (010) 5889 5391/5392/5393
Fax : +86 (010) 5889 5395
E-mail : bjicom@bjicom.com
URL : http://www.bjicom.com

Your local distributor/dealer: