



Limited functions.

Simple operation, versatile functions & rugged construction for your day-to-day communication needs

Simple operation for instant communication

The IC-F5012 series has 8 channels. The P0-P3 programmable buttons allows you to customise the radio to suit your needs and convenience.

Most popular signalings built-in

Use the built-in 2-Tone, 5-Tone, MDC 1200, CTCSS and DTCS capabilities as standard to set up your own talk groups and quiet stand-by when others are talking.

Multiple 2-Tone, multiple 5-Tone

Up to ten 2-Tone or eight 5-Tone codes can be decoded on a channel. Features such as stun, kill, revive, answer back, auto TX, scan, audio output are programmable to respond to each tone.

MDC 1200 compatible

The IC-F5012 series has a built-in MDC 1200 for transmitting a PTT ID and emergency* signal and for receiving radio check, stun and revive. Assimilate the radio easily into existing MDC 1200 systems. (* No ACK transmission)

Enhanced scan features

The priority scan function allows you to monitor one or two priority channels while scanning other non-priority channels. The Tx channel and talk back functions allow you to make a quick response while scanning.

Remote channel control with optional ACC cable

The optional ACC cable allows you to connect with various external devices to control audio output, modulated signal input, remote channel control, horn honk and many more functions. OPC-1939 is a D-SUB 15-pin type and OPC-2078 is a D-SUB 25-pin type.



Photo includes optional OPC-2078.

Built military rugged

The IC-F5012 series is tested to MIL-STD 810 F specifications. The radio is built to survive harsh environment and keep working.

Other features

- 4 W (typ.) front mounted speaker
- Wide frequency coverage (136–174 and 400–470 MHz)
- Wide/middle/narrow channel spacing (25, 20, 12.5 kHz)
- Microphone hanger action programmable
- Optional DTMF microphone (HM-152T/HM-148T)
- Optional voice scrambler unit, UT-109R or UT-110R
- DTMF autodial function
- PC programmable
- Talk around function
- Power-on password function
- Nuisance delete function
- Time-out-timer, lock-out penalty timer

SPECIFICATIONS

	IC-F5012	IC-F6012
GENERAL		
Frequency coverage	136–174 MHz	400–470 MHz
Number of channels	8 channels	
Type of emission	16K0F3E, 14K0F3E, 8K50F3E	
Channel spacing	25/20/12.5 kHz	
PLL channel step	2.5/3.125 kHz	
Power supply requirement	13.2 V DC	
Current drain (approx.)		
Tx	25 W	
Rx	Max. audio	
Standby	5 A	
Max. audio	700 mA	
Standby	250 mA	
Antenna impedance	50 Ω (SO-239)	
Operating temperature range	–25 °C to +55 °C	
Dimensions (W × H × D) (Projections not included)	150 × 40 × 117.5 mm	
Weight (approx.)	0.8 kg	
TRANSMITTER		
Output power (Hi, L2, L1) (at 13.2 V DC)	25 W, 10 W, 2.5 W	
Max. frequency deviation	±5.0 kHz/±4.0 kHz/±2.5 kHz (W/M/N)	
Frequency stability	±2.5 ppm	
Spurious emissions	0.25 μW (≤1 GHz) 1.0 μW (>1 GHz)	
Residual modulation	55/53/50 dB typ. (W/M/N)	
Audio harmonic distortion	3% typ. (AF 1 kHz, 40% deviation)	
Ext. microphone impedance	600 Ω (8-pin modular)	

Measurements made in accordance with EN 300-086.
All stated specifications are subject to change without notice or obligation.

	IC-F5012	IC-F6012
RECEIVER		
Sensitivity (at 20 dB SINAD)	–4 dBμV typ. emf	
Adjacent channel selectivity	75/75/65 dB typ. (W/M/N)	
Spurious response	70 dB min.	
Intermodulation	67 dB typ.	
Hum and noise	55/53/50 dB typ. (W/M/N)	
Audio output power	4 W typ. (at 5% distortion, 4 Ω load)	
Ext. speaker connector	2-conductor 3.5 (d) mm (1/8")/4 Ω	

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Applicable U.S. Military Specifications

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
Humidity	507.4	–
Settling Dust	510.4	III
Vibration	514.5	I
Shock	516.5	I, IV

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

Supplied Accessories

- Hand microphone (HM-152)
- DC power cable
- Mounting bracket kit
- Microphone hanger
- Key assign stickers

OPTIONS

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

HAND MICROPHONES

HM-152 HM-152T DTMF microphone HM-148G Heavy duty microphone HM-148T Heavy duty microphone with DTMF keypad

DESKTOP MICROPHONE

SM-26

VOICE SCRAMBLER UNITS

UT-109R Non-rolling type voice scrambler unit UT-110R Rolling type voice scrambler unit

EXTERNAL SPEAKERS

SP-30 SP-35: 2 m cable SP-35L: 6 m cable

ACC CABLES

OPC-2078 25-pin type OPC-1939 15-pin type

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