



Limited functions.

Easy to use, versatile features and rugged construction to meet your everyday communication needs.

Simple operation for instant communication The IC-F5013/H series has 8 channels. Programmable P0-P3 buttons let you customize the radio to suit your needs and preferences.

The most popular signals are integrated

Use the following built-in capabilities, 2 frequencies, 5 frequencies, DMC 1200, CTCSS and DTCS, to organize your group calls, PTT identification and a silent standby mode when your teammates are talking to each other.

2 multiple frequencies and 5 multiple frequencies

Up to ten 2-frequency codes and eight 5-frequency codes can be decoded on one channel. Features such as override, stop, reactivate, response, auto TX, scan, and audio output can be programmed to respond to each frequency.

Compatible with MDC 1200

The IC-F5013/H series includes an MDC 1200 for transmitting PTT identification and an emergency signal*, and receiving radio verification, override and reactivation. Assimilate radio easily in MDC 1200 ex-istant systems. (*No acknowledgement transmission)

Enhanced sweep characteristics

Priority scanning allows you to monitor one or two priority channels while scanning other, non-priority channels. The "Tx channel" and "Talk Back" functions enable rapid response, even while scanning is in progress.

Remote channel control via optional ACC cable

The optional ACC cable allows connection to multiple external devices to control audio output, modulated signal input, remote channels, horn noise and a wide range of other functions. OPC-1939 is a 15-pin D-SUB connector and OPC-2078 is a 25-pin D-SUB connector.



The picture shows the OPC-2078 cable (available as an option) installed on the a high-power version.

Rugged military design

The IC-F5013/H series complies with MIL-STD 810 F standards. The radio is designed to survive harsh conditions and keep on working.

Other features

- 4 W front speaker (typ.)
- Range of broadband frequencies (136-174, 400-470 and 450-520 MHz)
- Programmable wide and narrow channel spacing (25, 12.5 kHz)
- Microphone holder and programmable release
- Optional multi-frequency microphone (HM-152T)
- Optional UT-109R or UT-110R voice scramblers
- Automatic multi-frequency dialing and optional multi-frequency decoder, UT-108R
- PC-programmable - Talk around" function
- Password start function

- Nuisance suppression function
- Time-out timer, lock-out penalty timer

FEATURES

IC-F5013/H·IC-F6013/H

VHF AND UHF TRANSCEIVERS

	IC-F5013H, IC-F5013	IC-F6013H, IC-F6013
GENERAL		
Frequency range	136-174 MHz	400-470 MHz 450-520 MHz
Number of channels	8	
Type of program	16K0F3E/11K0F3E	
Track spacing	12.5/25kHz	
LLP channel frequency step	2.5/3.125kHz	
Power supply requirements	13.6 V d.c.	
Power consumption (approx.)		
Tx50 W/45 W 25 W	10 A (IC-F5013H) 5 A	11 A (IC-F6013H) 5 A
Rx volume max. watch	700 mA 250 mA	700 mA 250 mA
Antenna impedance	50Ω (SO-239)	
Operating temperature range	-30°C to +60°C (-22°F to +140°F)	
Dimensions (W×H×D) (Projections not included)	150×40×167.5 mm; 5.91×1.57×6.59 in (IC-F5013H/F6013H) 150×40×117.5 mm; 5.91×1.57×4.63 in (IC-F5013/F6013)	
Weight (approx.)	1.1 kg (2.4 lb) (IC-F5013H/F6013H) 0.8 kg (1.8 lb) (IC-F5013/F6013)	
SENDER		
Output power (High, L2, L1) (at 13.6 V d.c.)	50 W, 25 W, 5 W (IC-F5013H)	45 W, 25 W, 4.5 W (IC-F6013H) 25 W, 10 W, 2.5 W (IC-F5013) 25 W, 10 W, 2.5 W (IC-F6013)
Maximum frequency deviation	± 5.0 kHz/±2.5 kHz (Wide/Narrow)	
Frequency stability	±2.5 ppm	
Non-essential radiation	70 dBmin.	70 dBtyp.
Buzzing and FM noise	46/40 dBtyp. (Wide/Narrow)	
Harmonic distortion (AF 1 kHz 40% deviation)	3% typ.	
External microphone	impedance 600 Ω (8-pin modular)	

OPTIONS

Some options may not be available in certain countries. Please contact your dealer for details.

HANDHELD MICROPHONES

HM-152
Multifrequency microphone

HM-148G
Robust microphone

HM-148T
Rugged microphone with multi-frequency keypad

EXTERNAL SPEAKERS

SP-30

SP-22

ACC CABLES

OPC-2078
25-pin

OPC-1939
15-pin

	IC-F5013H, IC-F5013	IC-F6013H, IC-F6013
RECEIVER		
Sensitivity (at 12 dB SINAD)	0.25 μV typ.	
Selectivity in an adjacent lane	75/65 dB typ. (L/E)	
Rejection of non-essential radiation	70 dB min.	
Intermodulation rejection	75 dB typ.	
Hum and noise	45/40 dBtyp. (w/e)	
Audio output power (at 5% distortion, 4Ω load)	4 W typ.	
External speaker connector	2 x 3.5 mm (d) (0.31 mm (1/8 in) pitch) 4Ω connectors	

All specifications are subject to change without notice or obligation.

Applicable U.S. military specifications

Standard	MIL 810F	
	Method	and directive
Low pressure	500.4	I, II
High temperature	501.4	I, II
Low temperature	502.4	I, II
Thermal shock	503.4	I
Solar radiation	505.4	I
Humidity	507.4	-
Dust deposit	510.4	III
Vibration	514.5	I
Shake	516.5	I, IV

Also complies with MIL-STD-810-C, -D and -E standards.

Supplied accessories

- Hand-held microphone (HM-152) - DC power supply cable.
- Fixing kit - Microphone holder
- Key identification sticker

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