



VHF AND UHF TRANSCEIVERS

**IC-F5011**  
VHF Transceiver

**IC-F6011**  
UHF Transceiver



Limited functions.

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

### Simple operation for instant communication

The IC-F5011 series has 8 channels. The P0-P3 programmable buttons allows you to customize 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-F5011 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-F5011 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, 400–470 and 450–512 MHz)
- Microphone hanger action programmable
- Optional DTMF microphone (HM-152T)
- 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-F5011	IC-F6011
<b>GENERAL</b>		
Frequency coverage	136–174 MHz	400–470 MHz 450–512 MHz
Number of channels	8 channels	
Type of emission	16K0F3E/11K0F3E*	
Channel spacing	12.5/25 kHz, 15/30 kHz*	12.5/25 kHz*
PLL channel step	2.5/3.125 kHz	
Power supply requirement	13.6 V DC	
Current drain (approx.)		
Tx High (50 W/45 W)	10 A	11 A
Rx Max. audio/Standby	700 mA/250 mA	700 mA/250 mA
Antenna impedance	50 Ω (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; 5.9 × 1.6 × 6.6 in	
Weight (approx.)	1.1 kg; 2.4 lb	
<b>TRANSMITTER</b>		
Output power (at 13.6 V DC)	50 W, 25 W, 5 W (Hi, L2, L1)	45 W, 25 W, 4.5 W (Hi, L2, L1)
Max. frequency deviation	± 5.0 kHz/±2.5 kHz (Wide/Narrow)	
Frequency stability	±2.5 ppm	
Spurious emissions	70 dB min.	70 dB typ.
FM Hum and noise	46/40 dB typ. (Wide/Narrow)	
Audio harmonic distortion (AF 1 kHz 40% deviation)	3% typ.	
Ext. microphone impedance	600 Ω (8-pin modular)	

\* 25kHz bandwidth is no longer available for FCC Part 90 licensees for USA versions.

	IC-F5011	IC-F6011
<b>RECEIVER</b>		
Sensitivity (at 12 dB SINAD)	0.25 μV typ.	
Adjacent channel selectivity	75/65 dB typ. (Wide/Narrow)	
Spurious response rejection	70 dB min.	
Intermodulation rejection	75 dB typ.	
Hum and noise	45/40 dB typ. (Wide/Narrow)	
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	

Measurements made in accordance with TIA-603.

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

**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

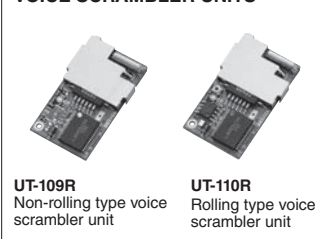
Heavy duty microphone  
with DTMF keypad

**DESKTOP MICROPHONE**



SM-26

**VOICE SCRAMBLER UNITS**



UT-109R  
Non-rolling type voice  
scrambler unit

UT-110R  
Rolling type voice  
scrambler unit

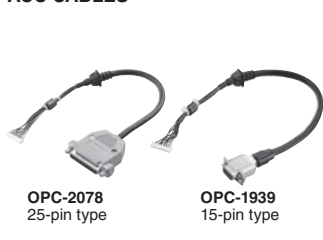
**EXTERNAL SPEAKERS**



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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