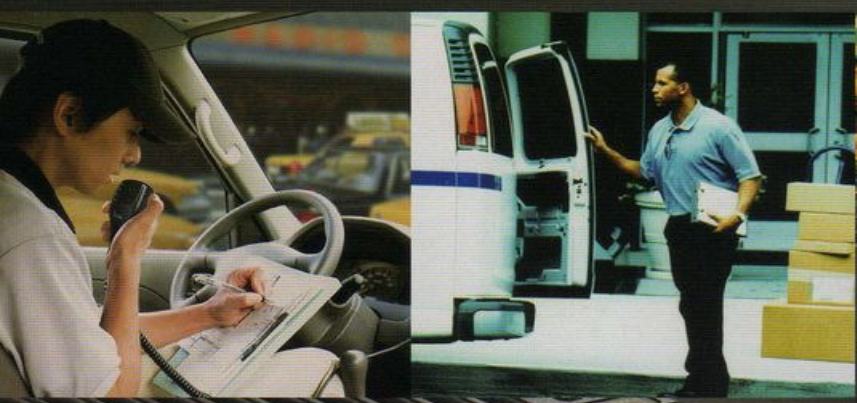


IC-F5063 (VHF transceiver)

IC-F6063 (UHF transceiver)



Rugged
MIL-STD 810



F5063
F6063

- 512ch / 128zones
- Conventional / LTR mode
- 2-Tone, 5-Tone CTCSS, DTCSS
- VHF 25W, UHF 25W Output
- IP54 (Controller only)
- Full dot-matrix LCD



SPECIFICATIONS

GENERAL

- Frequency range :
IC-F5063 136-174MHz
IC-F6063 400-470MHz
450-520MHz
- Number of channels : Max. 512 channels/
128 zones
- Channel spacing : 12.5/25kHz,
6.25kHz (option)
- PLL channel step : 2.5, 3.125kHz
- Antenna impedance : 50Ω nominal
- Power supply requirement :
13.2V DC
- Current drain (approx.) :
Tx at 25W 7.0A
Rx Max. audio 1200mA
Stand-by 300mA
- Operating temperature range :
-30°C to +60°C
- Dimensions (W×H×D) : 160×45×150 mm
(Projections are not included)
- Weight (approx.) : 1.3kg

TRANSMITTER

- Output power : 25W
- Max. frequency deviation : ±5.0/2.5kHz
(Wide/ narrow)
- Frequency error : ±1.5kHz
- Spurious emissions : 75dB typ.
- Adjacent channel power : 70/60dB
(Wide/ narrow)
- Audio harmonic distortion : 3% typ. (40% deviation)
- FM Hum and Noise : 45/40dB typ.
(Wide/Narrow)
- Limiting character of : 70-100% of Max.
modulator deviation
- External microphone : 600Ω (8-pin modular)
impedance

RECEIVER

- Sensitivity : 0.25μV typ.
(at 12dB SINAD)
- Squelch sensitivity : 0.25μV typ. (at threshold)
- Adjacent channel selectivity : 85/75dB typ.
(Wide/ narrow)
- Spurious response : 90dB typ.
- Intermodulation : 77dB typ.
- Hum and Noise : 50/45dB typ. (Wide/Narrow)
- Audio output power : 4W typ. at 10% distortion
with a 4Ω load
- External speaker impedance : 4Ω

Applicable U.S. Military Specifications

The IC-F5063/F6063 and RMK-3 have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
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	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Rain Blowing*	506.1	I	506.2	I	506.3	I	506.4	I
Rain Drip*	506.1	II	506.2	III	506.3	III	506.4	III
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
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

* Rain blowing and drip tests were performed on the controller and RMK-3 only.

Supplied Accessories

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

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

OPTIONS

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

HAND MICROPHONES



- HM-152 : Regular microphone. Same as supplied.
- HM-152T : DTMF microphone.
- HM-148 : Dynamic microphone for heavy duty use.

EXTERNAL SPEAKERS



- SP-5 : Large external speaker.
- SP-10 : Mid sized external speaker.
- SP-22 : Compact and easy-to-install external speaker.

SEPARATION KIT



RMK-3 : For front panel detachment installation.

Use with one of the following cables: OPC-609 (1.9m), OPC-607 (3m), or OPC-608 (8m).

SEPARATION CABLES



DESKTOP MICROPHONE



SM-25 : Convenient for dis-patching, equipped with mon-itor switch.

INTERNAL UNITS



- UT-109R : Non-rolling type voice scrambler.
- UT-110R : Non-rolling type voice scrambler.
- UT-119H : Digital unit. Provides 6.25kHz digital capability.

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