



VHF AND UHF DIGITAL TRANSCEIVERS

IC-F5360D

VHF Transceiver

IC-F6360D

UHF Transceiver

Wide Area Coverage with NXDN™ Type-C Trunking



TYPE-C

Rugged
MIL-STD 810

GPS

iDAS™ ICOM DIGITAL ADVANCED SYSTEM

Type-C Trunking Compatible

The IC-F5360D series provides NXDN™ Type-C trunking and NXDN™ conventional systems.

- Paging call
- Broadcast call
- All call
- Group call
- Individual call
- Status call
- Text message
- Emergency call
- Stun and Kill (RX)
- Radio check (RX)
- Over-the-air alias
- GPS
- 15-bit digital scrambler
- RAN (Radio Access Number)
- Digital/analog mixed mode operation (Conventional system)

Menu-driven User Interface

The menu-driven user interface provides easy and intuitive operation. The functions can be toggled with the left and right [P2] and [P3] buttons and allow you to perform various operations and settings.



Built-in GPS Receiver*

Your current position data can be attached to a voice or data (status or emergency signal) transmission and can be sent to dispatch stations.

* External GPS antenna required.



Transparent Data

When IC-F5360D series is connected to a PC or other external equipment, the transparent data function allows data communication in a digital mode. It can be used for remote telemetry system control or data applications.

D-Sub Accessory Connector

The IC-F5360D series has a D-Sub 15-pin ACC connector for connecting various external devices.

Other Features

- MIL-STD 810 G rugged construction
 - 512 channels with 128 zones
 - CTCSS/DTCS/DTMF encoder/decoder*
 - MDC 1200 PTT ID transmission*
 - Audio compander*
 - Inversion voice scrambler*
 - 4W front mounted speaker
- (* = Analog mode only)

SPECIFICATIONS

	IC-F5360D	IC-F6360D
GENERAL		
Frequency coverage	136–174 MHz	400–470 MHz
Number of channels	512 channels/128 zones	
Type of emission	8K50F3E, 8K30F1E/F1D, 4K00F1E/F1D	
Channel spacing	15/12.5/6.25 kHz	
Power supply requirement	13.6 V DC	
Current drain Tx (High)	10 A (50 W)	10 A (45 W)
(approx.) Rx (Max./Standby)	0.9 A/250 mA	0.9 A/250 mA
Antenna impedance	50 Ω (SO-239)	
Operating temperature range	–30°C to +60°C ; –22°F to +140°F	
Dimensions (WxHxD)	160 × 45 × 150 mm; 6.3 × 1.8 × 5.9 in	
(Projections not included)		
Weight (approx.)	1.3 kg; 2.9 lb	
TRANSMITTER		
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	±2.5 kHz (Narrow)	
Frequency stability	±1.0 ppm	
Spurious emissions	87 dB typ.	80 dB typ.
FM Hum and noise	45 dB typ. (Narrow)	45 dB typ. (Narrow)
Audio harmonic distortion	1% typ. (AF 1 kHz 40% deviation)	
FSK error	1% typ. (Digital 6.25/12.5 kHz)	
Ext. microphone impedance	600 Ω (8-pin modular)	
RECEIVER		
Sensitivity (Analog 12 dB SINAD)	0.25 μV typ.	
(Digital 5% BER)	–9 dBμV emf typ. (0.18 μV typ.)	
Adjacent channel selectivity	70/70/59 dB typ. (Narrow/D 12.5 kHz/D 6.25 kHz)	
Spurious response rejection	80 dB typ.	
Intermodulation rejection	75/70/70 dB typ. (Narrow/D 12.5 kHz/D 6.25 kHz)	
Hum and noise	40 dB typ. (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, EN 301-166 and EN 300-113.
All stated specifications are subject to change without notice or obligation.

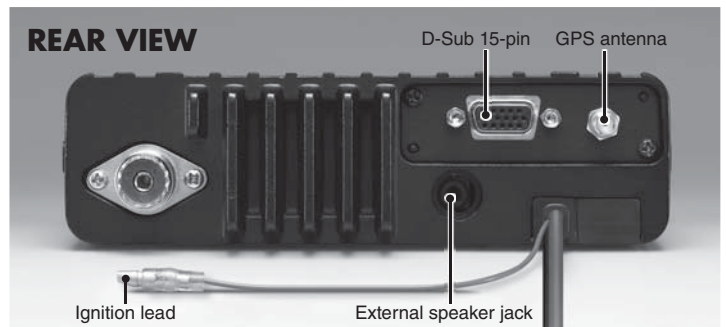
Applicable U.S. Military Specifications

Standard	MIL 810G	
	Method	Procedure
Low Pressure	500.5	I, II
High Temperature	501.5	I, II
Low Temperature	502.5	I, II
Temperature Shock	503.5	I-C
Solar Radiation	505.5	I
Humidity	507.5	II
Vibration	514.6	I
Shock	516.6	I, IV

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

Supplied Accessories

- Hand microphone (HM-148G)
- DC power cable
- Mounting bracket kit
- Microphone hanger



OPTIONS

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

HAND MICROPHONES

HM-152
HM-148G Heavy-duty microphone

DTMF MICROPHONES

HM-152T
HM-148T Heavy-duty microphone

DESKTOP MICROPHONE

SM-26

EXTERNAL SPEAKERS

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

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