



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
<b>GENERAL</b>		
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	
<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	±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)	
<b>RECEIVER</b>		
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.

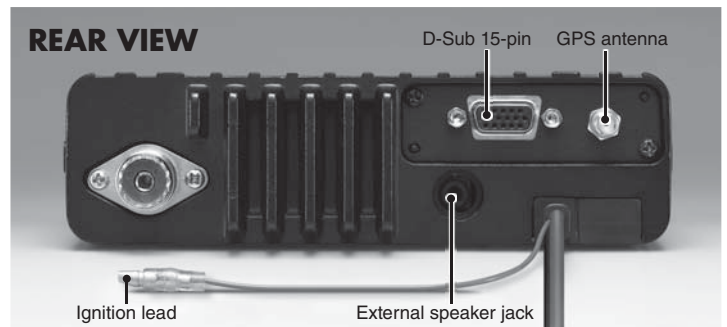
**Applicable U.S. Military Specifications**

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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