



## VHF AND UHF DIGITAL TRANSCEIVERS

### IC-F3360DT

VHF Transceiver with Full Keypad

### IC-F4360DT

UHF Transceiver with Full Keypad

### IC-F3360DS

VHF Transceiver with Simple Keypad

### IC-F4360DS

UHF Transceiver with Simple Keypad

# Ready for NXDN™ Type-C Trunking with Superior Waterproof Protection



## IDAS™ ICOM DIGITAL ADVANCED SYSTEM

### Type-C Trunking Compatible

The IC-F3360D series provides NXDN™ Type-C trunking and NXDN™ conventional systems.

- Paging call
- All call
- Individual call
- Text message
- Stun, Kill and Revive (RX)
- Over-the-air alias
- 15-bit digital scrambler
- Mixed mode operation (Conventional system)
- Broadcast call
- Group call
- Status call
- Emergency call
- Radio check (RX)
- GPS
- RAN

### 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.

### Man Down & Lone Worker

The man down function sends an emergency signal if left in a horizontal position. The lone worker function detects if the transceiver is not operated or not moved for a preset period.

### Transparent Data

When IC-F3360D series is connected to a PC or other external equipment, the transparent data function allows data communication in a digital mode.

### IP67 Dust-tight & Waterproof

The IC-F3360D series provides rugged protection against dust and water. The transceiver can withstand 1m depth of water for 30 minutes.

### 800mW (typ.) Audio Output

The built-in BTL amplifier doubles the audio output power and the large 40mm speaker delivers loud 800mW (typ.) audio to receive all calls under noisy environments.

### Other Features

- 512 memory channels with 128 zones
  - CTCSS/DTCS/DTMF encoder/decoder\*
  - MDC 1200 PTT ID transmission\*
  - Inversion voice scrambler\*
  - Audio compander\*
- (\* = Analog mode only)



IC-F3360DT

IC-F4360DS

	IC-F3360DT/DS	IC-F4360DT/DS
<b>GENERAL</b>		
Frequency coverage	136–174MHz	400–470MHz
Number of channels	512 channels/128 zones	
Type of emission	8K50F3E, 8K30F1E/F1D, 4K00F1E/F1D	
Channel spacing	15/12.5/6.25kHz	
Power supply requirement	7.5V DC nominal	
Current drain (approx.)		
Tx High (at 5W)	1.5A	1.8A
Rx Rated output/Standby	550mA/140mA	550mA/140mA
Antenna impedance	50Ω	
Operating temperature range	-30°C to +60°C; -22°F to +140°F (Radio specifications)	
Dimensions (W×H×D)	53.5×142.7×39.5 mm; 2.11×5.62×1.56 in (Projections not included)	
Weight (approx.)	400g; 14.1 oz (With BP-232WP, MB-94R & FA-SC57U)	
<b>TRANSMITTER</b>		
Output power (at 7.5V DC)	5W, 1W (Hi, Low)	
Max. frequency deviation	±2.5kHz (Narrow)	
Frequency stability	±1.0ppm	
Spurious emissions	75dB typ.	
FM Hum and noise	50dB typ. (Narrow)	45dB typ. (Narrow)
Audio harmonic distortion	1.5% typ. (AF 1kHz 40% deviation)	
FSK error	1% typ. (Digital 6.25/12.5kHz)	
Ext. microphone connector	14-pin multi-connector/2.2kΩ	
<b>RECEIVER</b>		
Sensitivity (Analog)	0.24μV typ. (at 12dB SINAD)	
(Digital)	-8.0dBμV emf typ. (at 5% BER)	
Adjacent channel selectivity	68/67/59dB typ. (Narrow/D 12.5kHz/D 6.25kHz)	
Spurious response rejection	80dB typ.	
Intermodulation rejection	75/70/70dB typ. (Narrow/D 12.5kHz/D 6.25kHz)	
Hum and noise	50dB typ. (Narrow)	48dB typ. (Narrow)
Audio output power	800mW typ. (Internal SP, 12Ω load)	
(at 5% distortion)	1000mW typ. (External SP, 8Ω load)	
Ext. speaker connector	14-pin multi-connector/8Ω	

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 & IP Rating**

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
Rain Blowing/Drip	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	-
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

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

Ingress Protection Standard (IC-F3360D/F4360D, BP-232WP and HM-184)	
Dust & Water	IP67 (Dust-tight and waterproof protection)

<b>Supplied accessories:</b> (May differ according to version)	• Battery pack, BP-232WP	• Belt clip, MB-94R	• Antenna
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## OPTIONS

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

**BATTERY PACK AND CASES**

BP-232WP Li-Ion, 2250mAh (min.), 2300mAh (typ.)  
BP-240 6 x LR03 (AAA) cells  
BP-261 6 x LR6 (AA) cells

**REGULAR CHARGER**

BC-171  
BC-147SA/SV  
Charges the BP-232WP in 8–10 hours (approx.).

**RAPID CHARGER**

BC-145SA  
BC-160  
Charges the BP-232WP in 3 hours (approx.).

**RAPID CHARGER**

AD-106  
BC-119N  
Charges the BP-232WP in 3 hours (approx.).

**MULTI-CHARGER**

BC-157S

**CHARGER BRACKET**

MB-130  
For use with BC-160

**SPEAKER-MICROPHONE**

IP67  
HM-184/H

**HEADSETS and PLUG ADAPTER CABLE**

HS-94 Earhook type  
HS-95 Behind-the-head type  
HS-97 Throat type  
VS-4MC Required when using any of these headsets

**BELT CLIPS**

MB-93 MB-94 MB-94R

**LEATHER BELT HANGERS**

MB-96N MB-96F MB-96FL

**CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES**

CP-23L For use with BC-119N and BC-160  
OPC-515L For use with BC-119N  
OPC-656 For use with BC-197 and BC-121N

**ACC ADAPTOR**

AD-118 For use with Hirose Plug Accessory

**ANTENNAS**

- FA-SC25V: 136–150MHz
- FA-SC55V: 150–174MHz
- FA-SC25U: 400–430MHz
- FA-SC57U: 430–470MHz
- FA-SC72U: 470–520MHz

**STUBBY ANTENNAS**

- FA-SC56VS: 150–162MHz
- FA-SC75VS: 160–174MHz
- FA-SC73US: 450–490MHz

**HIGH GAIN ANTENNAS**

- FA-SC62V: 150–160MHz
- FA-SC63V: 155–165MHz

**CUT ANTENNAS**

- FA-SC61VC: 136–174MHz
- FA-SC61UC: 380–520MHz

**CHARGER ADAPTER**

• AD-122 for BP-232WP  
AD-122 charger adapter is supplied with the BC-197, depending on BC-197's version.

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