



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 1 m depth of water for 30 minutes.

800 mW (typ.) Audio Output

The built-in BTL amplifier doubles the audio output power and the large 40 mm speaker delivers loud 800 mW (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

SPECIFICATIONS

	IC-F3360DT/DS	IC-F4360DT/DS
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	7.5 V DC nominal	
Current drain (approximate)		
Tx High (at 5 W)	1.5 A	1.8 A
Rx Rated output/Standby	550 mA/140 mA	550 mA/140 mA
Antenna impedance	50 Ω	
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; 2.1 × 5.6 × 1.6 in (Projections not included)	
Weight (approximate)	400 g; 14.1 oz (With BP-232WP, MB-94R & FA-SC57U)	
TRANSMITTER		
Output power (at 7.5 V DC)	5 W, 1 W (Hi, Low)	
Max. frequency deviation	±2.5 kHz (Narrow)	
Frequency stability	±1.0 ppm	
Spurious emissions	75 dB typ.	
FM Hum and noise	50 dB typ. (Narrow)	45 dB typ. (Narrow)
Audio harmonic distortion	1.5% typ. (AF 1 kHz 40% deviation)	
FSK error	1% typ. (Digital 6.25/12.5 kHz)	
Ext. microphone connector	14-pin multi-connector/2.2 kΩ	
RECEIVER		
Sensitivity (Analog)	0.24 μV typ. (at 12 dB SINAD)	
(Digital)	–8.0 dBμV emf typ. (0.20 μV typ.) (at 5% BER)	
Adjacent channel selectivity	68/67/59 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	50 dB typ. (Narrow)	48 dB typ. (Narrow)
Audio output power	800 mW typ. (Internal SP, 12 Ω load)	1000 mW typ. (External SP, 8 Ω load)
External speaker connector	14-pin multi-connector/8 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 & 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/H)	
Dust & Water	IP67 (Dust-tight and waterproof protection)

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

OPTIONS

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

BATTERY PACK AND CASES




BP-232WP BP-240 BP-261

Battery packs	Type	Capacity	Operating time*
BP-232WP	Rechargeable Li-ion battery	2200 mAh (min.), 2350 mAh (typ.)	14.5 hours (D) 13 hours (A)
BP-240	LR03 (AAA) batteries × 6	–	–
BP-261	LR6 (AA) batteries × 6	–	–

* Approx. Tx: Rx: standby = 5:5:90. Power save function is set to "Short".
 D means Digital mode, A means Analog mode.


REGULAR CHARGER



BC-147SA/SV BC-171

Charges the BP-232WP in 8–10 hours (approx.).


RAPID CHARGER



BC-123SA BC-160

Charges the BP-232WP in 3 hours (approx.).

MULTI-CHARGER



BC-197 BC-157S


Charges up to six BP-232WP battery packs in 3.5 hours (approx.).

SPEAKER-MICROPHONE



HM-184/H

HEADSETS and PTT SWITCH 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-94R

LEATHER BELT HANGERS



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

CHARGER BRACKET



MB-130
For use with BC-160

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLE



CP-23L For use with BC-160 OPC-656 For use with BC-197

ACC ADAPTOR



AD-118 For use with Hirose plug accessory

- ANTENNAS**
- FA-SC25V: 136–150 MHz
 - FA-SC55V: 150–174 MHz
 - FA-SC25U: 400–430 MHz
 - FA-SC57U: 430–470 MHz
 - FA-SC72U: 470–520 MHz
- STUBBY ANTENNAS**
- FA-SC56VS: 150–162 MHz
 - FA-SC57VS: 160–174 MHz
 - FA-SC73US: 450–490 MHz
- HIGH GAIN ANTENNAS**
- FA-SC62V: 150–160 MHz
 - FA-SC63V: 155–165 MHz
- CUT ANTENNAS**
- FA-SC61VC: 136–174 MHz
 - FA-SC61UC: 380–520 MHz

CHARGER ADAPTER

- AD-122

AD-122 charger adapter is supplied with the BC-197, depending on BC-197's version.

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