



VHF AND UHF DIGITAL/ANALOG TRANSCEIVERS

IC-F3261DT

VHF transceiver with full keypad

IC-F4261DT

UHF transceiver with full keypad

IC-F3261DS

VHF transceiver with simple keypad

IC-F4261DS

UHF transceiver with simple keypad

Fully Featured IDAS™ Digital Handheld with Built-in GPS and Waterproof Protection

IDAS™
ICOM DIGITAL ADVANCED SYSTEM

Built-in GPS Receiver*

Man Down Function*

IP67 Waterproof Protection

800 mW Audio Output Power

IDAS™ NXDN™ Features

**512 Memory Channels
with 128 Zones**

(* Depending on version)



IDAS™: Better, Improved & Enhanced

IP67 Dust-tight & Waterproof Protection



The IC-F3261D series provides rugged protection against dust and water that is equivalent to IP67. The radio can withstand 1m depth of water for 30 minutes.

Man Down and Lone Worker Functions for Emergency Call

The man down function* automatically sends an emergency signal when the transceiver is left in a horizontal position. The lone worker function also can transmit an emergency signal when the radio is not operated for a preset period. These emergency signals can be sent with GPS position data* to alert your co-workers or dispatcher to any potential trouble.

* Depending on version.

800 mW (typ.) Audio Output Power



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.



IC-F3261DT
(Full keypad)

IC-F4261DS
(Simple keypad)

IDAS™ Features

The IC-F3261D series provides NXDN™ CAI-based IDAS digital mode operation. It is also compatible with NXDN™ Type-D multi-site trunking. The following IDAS features are programmable.

- Individual/group call
- Individual ID and talkgroup ID memories
- Status message • SDM (Short Data Message)
- GPS • Stun, kill and revive
- Radio check • Remote monitor
- Call alert • Call log
- Emergency • Digital voice scrambler
- Block decode • RAN (Radio Access Number)

Built-in 2-Tone and 5-Tone*

2-Tone and 5-Tone signalings give you selective calling, quiet stand-by and other convenient functions. The radio stun and kill functions disable a radio over the air and the revive function restores the stunned radio.

MDC 1200 Compatible*

The built-in MDC signaling provides the following selective calling and ANI features.

- PTT ID • SelCall • Radio check
- Radio stun/revive • 500 aliases
- Status message/request • Call alert
- Emergency, emergency mic monitoring

Scan Features

The IC-F3261D series can detect both analog and IDAS conventional signals and automatically selects the transmission mode to reply to the received call.

Built-in Voice Scrambler

The built-in inversion voice scrambler* provides secure conversation in analog mode. When using IDAS digital mode, the digital voice scrambler provides a 15-bit key (about 32,000 codes) as standard.

* Inversion voice scrambler is not compatible with UT-109R/UT-110R voice scrambler.



Built-in GPS Receiver*

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



* Depending on version. * To show the received position data, an external PC application is required.

14-pin Accessory Connector

The new 14-pin accessory connector enhances audio output capabilities with the built-in BTL amplifier. The optional HM-184/H speaker-microphone provides a 1000 mW (typ.) audio output for loud and clear communication.



Large Full Dot-matrix LCD

Using a large full dot-matrix LCD (32 x 18 mm), the IC-F3261D series shows two lines of easy to read text messages. The bottom row shows assigned functions to the [P0] to [P3] buttons.

Long Lasting Battery Life

GPS type	Digital mode	Analog mode
Built-in GPS type	10.5 hours (approx.)	11 hours (approx.)
Non GPS type	12 hours (approx.)	12.5 hours (approx.)

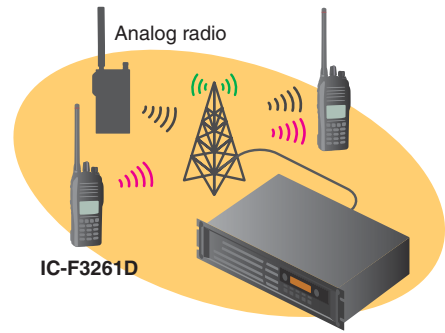
* Typical operation in 5:5:90 duty cycle, power save on.

Other Features

- 512 memory channels with 128 zones
 - 5 W output power both in VHF and UHF
 - Basic LTR™ mode operation*
 - CTCSS/DTCS encoder/decoder*
 - MIL-STD 810 G rugged construction
 - 8 DTMF autodial memories
 - Tactical group function
 - Busy channel lockout, repeater lockout
 - Power on password
 - Time-out timer • Talk around function
 - Low battery alert • Escalating alarm
 - Surveillance function
- (* = Analog mode only)

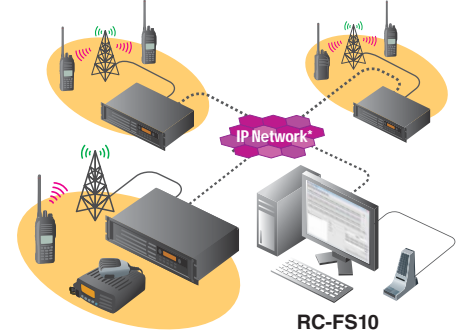
IDAS™ expands coverage and capacity

Conventional



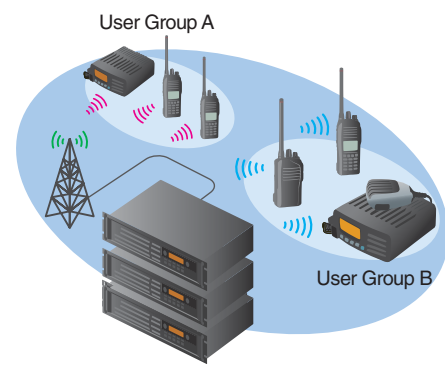
- 6.25 kHz digital migration
- Digital/analog mixed mode operation

Multi-site Conventional



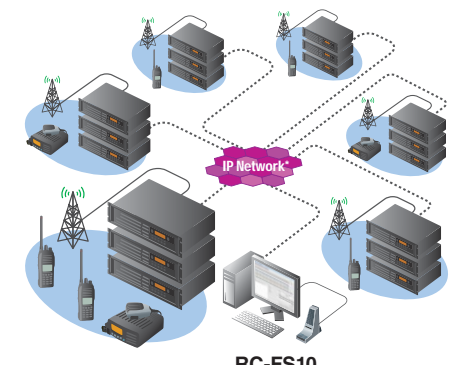
- Up to 16 IDAS repeater sites connection over an IP network.
- RC-FS10, PC dispatch station

Type-D Single Site Trunking



- Distributed channel system which does not use a dedicated control channel
- Up to 30 channels per system
- Up to 2,000 individual IDs and up to 2,000 group IDs

Type-D Multi-site Trunking



- Distributed channel system
- Up to 30 channels per site and up to 48 sites connection over an IP network
- Up to 60,000 individual IDs and 60,000 group IDs with fleet management
- Automatic site roaming
- ESN authentication
- RC-FS10 PC dispatch

All advantages shown represent possible system configurations. Ask your Icom dealer to configure an IDAS system that works best for you. *Note: Private IP Network or VPN Tunnels through the Internet with static endpoints.

VHF DIGITAL/ANALOG TRANSCEIVERS

IC-F3261DT
IC-F3261DS

UHF DIGITAL/ANALOG TRANSCEIVERS

IC-F4261DT
IC-F4261DS

SPECIFICATIONS

	IC-F3261DT/DS	IC-F4261DT/DS
GENERAL		
Frequency coverage	136–174 MHz	400–470 MHz 450–512 MHz
Number of channels	512 channels/128 zones	
Type of emission	11K0F3E/4K00F1E/F1D	
Channel spacing	12.5/6.25 kHz	
Power supply requirement	7.5 V DC nominal	
Current drain (approx.)		
Tx High (at 5 W)	1.7 A	1.8 A
Rx Rated output/Standby	550 mA/160 mA	550 mA/160 mA
Antenna impedance	50 Ω	
Operating temperature range	–30 °C to +60 °C; –22 °F to +140 °F (Radio specifications)	
Dimensions (W × H × D) (Projections not included)	53.5 × 142.7 × 39.5 mm; 2.1 × 5.6 × 1.6 in (With BP-232WP)	
Weight (approx.)	400 g; 14.1 oz (With BP-232WP, MB-94R & FA-SC57U)	

TRANSMITTER		
Output power (at 7.5 V DC)	5 W, 2 W, 1 W (Hi, L2, L1)	
Max. frequency deviation	±2.5 kHz (Narrow)	
Frequency stability	±1.0 ppm	
Spurious emissions	78 dB typ.	
FM Hum and noise	43 dB typ. (Narrow)	40 dB typ. (Narrow)
Audio harmonic distortion	1.5% typ. (AF 1 kHz 40% deviation)	
FSK error	2.0% typ.	
Ext. microphone connector	14-pin multi-connector/2.2 kΩ	

RECEIVER		
Sensitivity (Analog)	0.23 μV typ. (at 12 dB SINAD)	
(Digital)	0.20 μV typ. (at 5% BER)	
Adjacent channel selectivity	68/60 dB typ. (Narrow, digital)	
Spurious response rejection	76 dB typ.	
Intermodulation rejection	75/66 dB typ. (Narrow, digital)	
Hum and noise	47 dB typ. (Narrow)	43 dB typ. (Narrow)
Audio output power	800 mW typ. (Internal SP, 12 Ω load)	
(at 5% distortion)	1000 mW typ. (External SP, 8 Ω load)	
Ext. speaker connector	14-pin multi-connector/8 Ω	

GPS (Depending on version)		
Receiver channels	12 channels	
Time to first fix (cold start)	36 seconds typ. (at open sky)	
Horizontal accuracy	5 m (at open sky)	

Measurements made in accordance with EIA/TIA-603. All stated specifications are subject to change without notice or obligation. * 25 kHz bandwidth is no longer available for FCC Part 90 licensees for USA versions. Ask your dealer if you need 25 kHz bandwidth.

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-F3261D/F4261D, 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

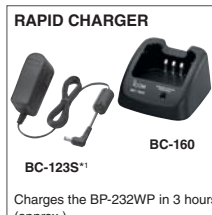
Some options may not be available in some countries. Please ask your dealer for details.



Battery packs	Type	Capacity
BP-232WP	Rechargeable Li-ion	2200 mAh (min.) 2350 mAh (typ.)
BP-240	AAA (LR03) × 6 batteries	
BP-261	AA (LR6) × 6 batteries	



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

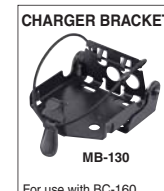


Charges the BP-232WP in 3 hours (approx.).



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

*1 BC-123/BC-147SA for USA plug. SE for Europe plug. SV for Australia plug.



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

ZONE COPY CABLES

- OPC-1870: Handheld to handheld cable
- OPC-1871: Handheld to mobile cable

CHARGER ADAPTER

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

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Icom Inc.

1-1-32, Kamiminami, Hirano-Ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013

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