



VHF AND UHF DIGITAL/ANALOGUE TRANSCEIVERS

**IC-F3263DT**

VHF transceiver with full keypad

**IC-F4263DT**

UHF transceiver with full keypad

**IC-F3263DS**

VHF transceiver with simple keypad

**IC-F4263DS**

UHF transceiver with simple keypad

# **Full-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)



**6.25 kHz FDMA**  
True RF Efficiency



**IP67**





# IDAS™: Improved, Enhanced & More Versatile

## IP67 Waterproof & Dustproof Protection



The IC-F3263D series provides rugged protection against dust and water that is equivalent to IP67. The radio can withstand 1 m 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 dispatch of 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-F3263DT  
(Full keypad)



IC-F4263DS  
(Simple keypad)

## IDAS™ Features

The IC-F3263D 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
- GPS
- Radio check
- Call alert
- Emergency
- Block decode
- SDM (Short Data Message)
- Stun, kill and revive
- Remote monitor
- Call log
- Digital voice scrambler
- 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
- Radio stun/revive
- Status message/request
- Emergency, emergency mic monitoring
- SelCall
- Radio check
- 500 aliases
- Call alert

## Scan Features

The IC-F3263D series can detect both analogue 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 analogue 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 has a 1000 mW (typ.) audio output for loud and clear communications.



### Large Full Dot-Matrix LCD

Using a large full dot-matrix LCD (32 x 18 mm), the IC-F3263D 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         | Analogue 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
- (\* = Analogue mode only)

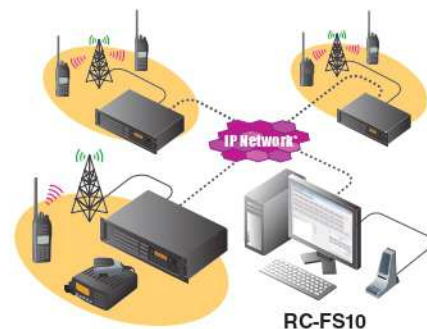
## IDAS™ expands coverage and capacity

### Conventional



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

### Multi-Site Conventional



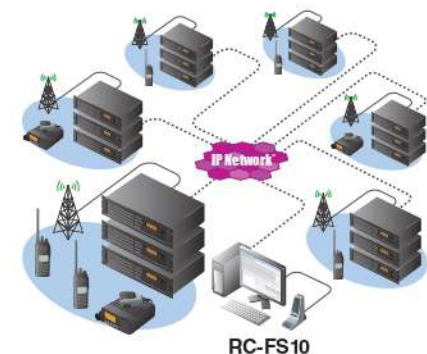
- Up to 16 IDAS repeater sites connection over an IP network.
- RC-FS10, PC dispatch station

### 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/ANALOGUE TRANSCEIVERS  
**IC-F3263DT**  
**IC-F3263DS**

UHF DIGITAL/ANALOGUE TRANSCEIVERS  
**IC-F4263DT**  
**IC-F4263DS**



## SPECIFICATIONS

|                                   | IC-F3263DT/DS                             | IC-F4263DT/DS                             |
|-----------------------------------|---|---|
| <b>GENERAL</b>                    |   |   |
| Frequency coverage                | 136–174 MHz                               | 350–400 MHz<br>400–470 MHz<br>450–520 MHz |
| Number of channels                | 512 channels/128 zones                    |   |
| Type of emission                  | 16K0F3E/8K50F3E/4K00F1E/F1D               |   |
| Channel spacing                   | 25/12.5/6.25 kHz                          |   |
| Power supply requirement          | 7.5 V DC nominal                          |   |
| Current drain (approximate)       |   |   |
| 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 (Radio specifications)   |   |
| Dimensions (W × H × D)            | 53.5 × 142.7 × 39.5 mm<br>(With BP-232WP) |   |
| (Projections not included)        |   |   |
| Weight (approximate)              | 400 g (With BP-232WP, MB-94R & FA-SC57U)  |   |
| <b>TRANSMITTER</b>                |   |   |
| Output power (at 7.5 V DC)        | 5 W, 2 W, 1 W (Hi, L2, L1)                |   |
| Max. frequency deviation          | ±5.0/±2.5 kHz (Wide, narrow)              |   |
| Frequency stability               | ±1.0 ppm                                  |   |
| Spurious emissions                | 78 dB typ.                                |   |
| FM Hum and noise                  | 48/43 dB typ. (W/N)                       | 46/40 dB typ. (W/N)                       |
| 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             |   |
| <b>RECEIVER</b>                   |   |   |
| Sensitivity (Analogue)            | 0.23 μV typ. (at 12 dB SINAD)             |   |
| (Digital)                         | 0.20 μV typ. (at 5% BER)                  |   |
| Adjacent channel selectivity      | 78/68/60 dB typ. (W/N/D)                  | 75/68/60 dB typ. (W/N/D)                  |
| Spurious response rejection       | 76 dB typ.                                |   |
| Intermodulation rejection         | 75/75/66 dB typ. (Wide, narrow, digital)  |   |
| Hum and noise                     | 52/47 dB typ. (W/N)                       | 48/43 dB typ. (W/N)                       |
| 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                |   |
| <b>GPS (Depending on version)</b> |   |   |
| 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.

### 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-F3263D/F4263D, 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 |

## OPTIONS

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

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

| REGULAR CHARGER   | RAPID CHARGER   | MULTI-CHARGER   |
|---|---|---|
|  <p>BC-147S*<br/>BC-171</p> <p>Charges the BP-232WP in 8–10 hours (approx.).</p> |  <p>BC-123S*<br/>BC-160</p> <p>Charges the BP-232WP in 3 hours (approx.).</p> |  <p>BC-197<br/>BC-157S</p> <p>Charges up to six BP-232WP battery packs in 3.5 hours (approx.).</p> |


\* BC-123/BC-147SA for USA, SE for Europe, SV for Australia, BC-123SUK for UK.

| SPEAKER-MICROPHONE  | HEADSETS and PTT SWITCH CABLE  |
|---|--|
|  <p>HM-184/H</p> |  <p>HS-94 Earhook type<br/>HS-95 Behind-the-head type<br/>HS-97 Throat type<br/>VS-4MC Required when using any of these headsets</p> |

| BELT CLIPS  | LEATHER BELT HANGERS  | CHARGER BRACKET  |
|---|---|--|
|  <p>MB-93<br/>MB-94R</p> |  <p>MB-96N<br/>MB-96F<br/>MB-96FL</p> |  <p>MB-130<br/>For use with BC-160</p> |

| CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLE   | ACC ADAPTOR  | ZONE COPY CABLES & CHARGER ADAPTOR   |
|--|--|--|
|  <p>CP-23L For use with BC-160<br/>OPC-656 For use with BC-197</p> |  <p>AD-118 For use with Hirose Plug Accessory</p> | <p>• OPC-1870: Handheld to handheld cable<br/>• OPC-1871: Handheld to mobile cable</p> <p><b>CHARGER ADAPTOR</b><br/>• AD-122<br/>AD-122 charger adaptor is supplied with the BC-197, depending on BC-197's version.</p> |

| STUBBY ANTENNAS  | HIGH-GAIN ANTENNAS   | ANTENNAS  |
|--|--|---|
| <ul style="list-style-type: none"> <li>• FA-SC56VS: 150–162 MHz</li> <li>• FA-SC57VS: 160–174 MHz</li> <li>• FA-SC73US: 450–490 MHz</li> </ul> | <ul style="list-style-type: none"> <li>• FA-SC62V: 150–160 MHz</li> <li>• FA-SC63V: 155–165 MHz</li> </ul> | <ul style="list-style-type: none"> <li>• FA-SC57U: 430–470 MHz</li> <li>• FA-SC72U: 470–520 MHz</li> <li>• FA-SC01U: 350–400 MHz</li> <li>• FA-SC02U: 330–380 MHz</li> <li>• FA-SC03U: 380–430 MHz</li> </ul> |

|   |  |
|---|--|
|  <p>6.25 MHz FDMA<br/>True RF Efficiency</p> | <p>Check our web site to know more about 6.25 kHz FDMA narrow band.<br/><a href="http://www.icom.co.jp/world/fdma/">www.icom.co.jp/world/fdma/</a></p> |
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Your local distributor/dealer:

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