ICOM

IC-F3262DT
VHF transceiver with full keypad

IC-F4262DT
UHF transceiver with full keypad

IC-F3262DS
VHF transceiver with simple keypad

IC-F4262DS
UHF transceiver with simple keypad

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

iDAS™
ICOM DIGITAL ADVANCED SYSTEM

Built-in GPS Receiver*

**Man Down* and
Lone Worker Functions**

**IP67 Waterproof and
Dust-tight Protection**

800mW Audio Output Power

IDAS™ dPMR™ Features*

**512 Memory Channels
with 128 Zones**

(* Depending on version)

dPMR digital™ · Rugged MIL-STD 810 · IP67 · GPS

IDAS™– Versatile Digital Radio Solutions for your Business

IP67 Waterproof & Dustproof Protection

The IC-F3262D series provides 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 dispatch of any potential trouble.

* Depending on version.

800mW (typ.) Audio Output Power

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.

IC-F3262DT
(Full keypad)

IC-F4262DS
(Simple keypad)

dPMR™ Features

The IC-F3262D series* meets dPMR standards (TS 102 658) and provides dPMR Tier 2 Mode 1/2/3 operation. The following dPMR features are programmable.
- Individual/group call • All group call
- Emergency • Call log
- Status message
- SDM (Short Data Message)
- GPS
- Stun, kill and revive
- Digital voice scrambler
- Transparent data mode
   * dPMR version only.

Call Setup and Clear Down

The "Call setup and clear down" which is used in 5-Tone or BIIS signaling in analogue radios is implemented in the dPMR system. The IC-F3262D series confirms availability of the destination radio before you talk. 5-Tone or BIIS users can introduce dPMR without hesitation and avoid a new learning curve with these radios.

Transparent Data Modem Function

When IC-F3262D series is connected to a PC or other external equipment, the transparent data modem function allows communication in a 6.25kHz channel. It can be used for remote telemetry system control or data applications.

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.

Status Messages

The IC-F3262D series has 32 programmable status messages. The status messages can be used as special functions to control the radio such as ambience listening (Auto TX), radio stun/kill /revive and GPS position reporting/request.

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*.
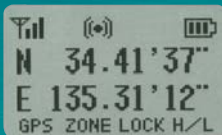
Showing own position information.

* Depending on version. * To graphically 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 speaker-microphone has a 1000mW (typ.) audio output for loud and clear communications.

Large Full Dot-Matrix LCD

Using a large full dot-matrix LCD (32 × 18 mm), the IC-F3262D 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	Operating Time
Built-in GPS type	10.5 hours (approx.)
Non GPS type	12 hours (approx.)

* Digital mode typical operation in 5:5:90 duty cycle, power save on.

Other Features

- 512 memory channels with 128 zones
- 5W output power both in VHF and UHF
- Built-in 2-Tone, 5-Tone and BIIS 1200*
- 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)

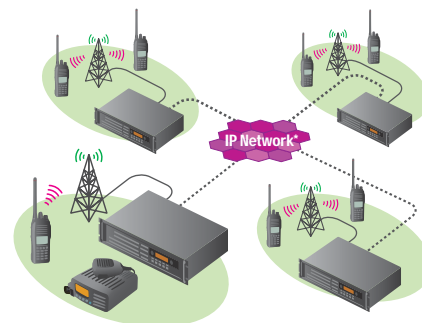# IDAS™ expands coverage and capacity
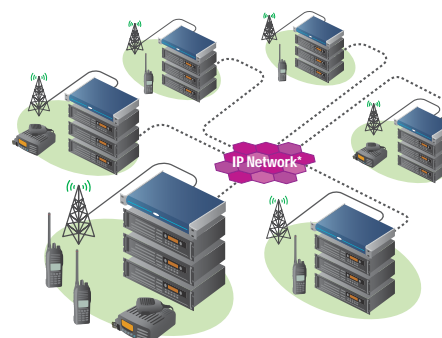
Mode 1 Direct Peer-to-Peer Mode
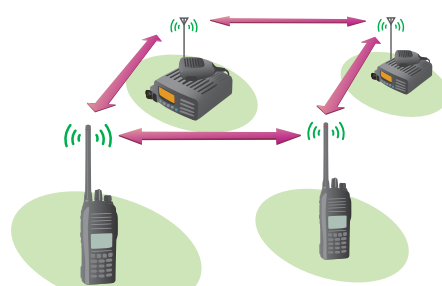
IC-F3262D

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

### Mode 2 Conventional Repeater Mode

IP Network*

- Up to 16 IDAS repeater sites connection over an IP network.

Mode 3 Digital Trunking

IP Network*

- Unique migration solution from MPT to dPMR
- Systems ranging in size from 2 channels on a single site to national systems of over 1,000 sites
- Up to 32 channels per site
- Network supports up to 500,000 subscriber terminals
- SIP digital telephone interconnect as well as 2 wire POTS
- Native IP connectivity

NXDN™ Simple Trunking

User Group A

User Group B
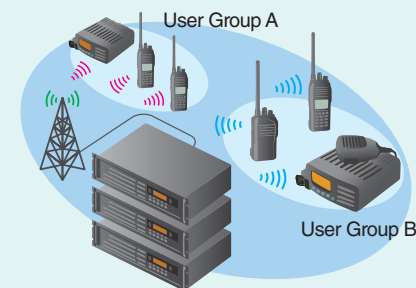
- NXDN Type-D distributed channel trunking system which does not use a dedicated control channel
- Up to 30 channels per site
- Up to 2,000 individual IDs and up to 2,000 group IDs (in single site system)
  * NXDN version radios and repeater system required.

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−F3262DT
IC−F3262DS

UHF DIGITAL/ANALOGUE TRANSCEIVERS

IC−F4262DT
IC−F4262DS

SPECIFICATIONS

	IC-F3262DT/DS	IC-F4262DT/DS
GENERAL		
Frequency coverage	136–174MHz	400–470MHz
Number of channels	512 channels/128 zones	
Type of emission	16K0F3E/14K0F3E/8K50F3E/4K00F1E/F1D	
Channel spacing	25/20/12.5/6.25kHz	
Power supply requirement	7.5V DC nominal	
Current drain (approx.)		
Tx High (at 5W)	1.7A	1.8A
Rx Rated output/Standby	550mA/160mA	550mA/160mA
Antenna impedance	50Ω	
Operating temperature range	−25°C to +55°C (Radio specifications)	
Dimensions (W×H×D) (Projections not included)	53.5×142.7×39.5 mm (With BP-232WP)	
Weight (approx.)	410g (with BP-232WP, MB-94R & FA-SC55V)	400g (with BP-232WP, MB-94R & FA-SC57U)
TRANSMITTER		
Output power (at 7.5V DC)	5W, 2W, 1W (Hi, L2, L1)	
Max. frequency deviation	±5.0/±4.0/±2.5kHz (Wide, middle, narrow)	
Frequency stability	±1.0ppm	
Spurious emissions	0.25µW (≤1GHz), 1.0µW (>1GHz)	
Residual modulation	48/47/42dB typ. (Wide, middle, narrow)	
Audio harmonic distortion	1.5% typ. (AF 1kHz 40% deviation)	
FSK error	2.0% typ.	
Ext. microphone connector	14-pin multi-connector/2.2kΩ	
RECEIVER		
Sensitivity (Analogue) (Digital)	−4dBµV emf typ. (at 20dB SINAD) −8dBµV emf typ. (at 5% BER)	
Adjacent channel selectivity	78/78/68/60dB typ. (Wide, middle, narrow, digital)	
Spurious response rejection	76dB typ.	
Intermodulation	67dB typ. (Wide, narrow) 73dBµ emf typ. (Digital)	
Hum and noise	55/54/50dB typ. (Wide, middle, narrow)	
Audio output power (at 5% distortion)	800mW typ. (Internal SP, 12Ω load) 1000mW typ. (External SP, 8Ω load)	
Ext. speaker connector	14-pin multi-connector/8Ω	
GPS (Depending on version)		
Receiver channels	12 channels	
Time to first fix (cold start)	36 seconds typ. (at open sky)	
Horizontal accuracy	5m (at open sky)	

Measurements made in accordance with EN 300 086 and EN 301 166.
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-F3262D/F4262D, BP-232WP and HM-184)	
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
IP67

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

REGULAR CHARGER
BC-171
BC-147S[1]
Charges the BP-232WP in 8–10 hours (approx.).

RAPID CHARGER
BC-145S[1]
BC-160
Charges the BP-232WP in 3 hours (approx.).

RAPID CHARGER
AD-106
BC-145S[1]
BC-119N
Charges the BP-232WP in 3 hours (approx.).

MULTI-CHARGER[2]
BC-157S
BC-197

CHARGER BRACKET
MB-130
For use with BC-160

[1] BC-145/BC-147SA for 120V AC. SE for 230V AC. SV for 240V AC. BC-145SUK for 230V AC.
[2] The combination of **BC-121N** Multi-charger and **AD-106** Charger adaptor (6 pieces required) is also available.

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: Swivel type
• MB-94R: Alligator type

LEATHER BELT HANGERS
• MB-96N: Swivel type
• MB-96F: Fixed type
• MB-96FL: Long type

ACC ADAPTOR
• AD-118: For use with Hirose Plug Accessory

ZONE COPY CABLES
• OPC-1870: Handheld to handheld
• OPC-1871: Handheld to mobile

CIGARETTE LIGHTER CABLE
• CP-23L: For use with BC-119N and BC-160

POWER SUPPLY CABLES
• OPC-515L: For use with BC-119N
• OPC-656: For use with BC-197 and BC-121N

CHARGER ADAPTOR
• AD-122 for use with BC-197 AD-122 charger adaptor is supplied with the BC-197, depending on version.

STUBBY ANTENNAS
• FA-SC56VS: 150–162MHz
• FA-SC57VS: 160–174MHz
• FA-SC73US: 450–490MHz

CUT ANTENNAS
• FA-SC61VC: 136–174MHz
• FA-SC61UC: 380–520MHz

HIGH GAIN ANTENNAS
• FA-SC62V: 150–160MHz
• FA-SC63V: 155–165MHz

ANTENNAS
• FA-SC25V: 136–150MHz
• FA-SC55V: 150–174MHz
• FA-SC25U: 400–430MHz
• FA-SC57U: 430–470MHz

VERSION COMPARISON

		IC-F3262DT/DS series (IDAS dPMR 3 version)	IC-F3262DT/DS series (IDAS dPMR 1/2 version)	IC-F3262DT/DS series (IDAS NXDN version)
IDAS dPMR	Mode 1/2	✔	✔	–
	Mode 3	✔	–	–
IDAS NXDN	Conventional	–	–	✔
	Type D trunking	–	–	✔
Voice scrambler	Digital	✔	✔	✔
	Analogue (Inversion)	✔	✔	✔
GPS		✔[2]	✔[2]	✔[2]
Man Down Function		✔[2]	✔[2]	✔[2]
Lone Worker Function		✔	✔	✔
CTCSS, DTCS[1]		✔	✔	✔
5-Tone, 2-Tone[1]		✔	✔	✔
DTMF autodial/decoder		✔	✔	✔
BIIS 1200[1]		✔	✔	✔
MDC 1200[1]		–	–	✔
LTR™ trunking[1]		–	–	✔

[1] Analogue mode. [2] Depending on version mode.