Icom
Products and Accessories

ICOM

ICOM

ICOM, THE WIRELESS COMMUNICATION

Icom Inc. is a company located in Osaka, Japan, and is a manufacturer of wireless communication products. Icom was established in 1954 and it has have a long record as a trusted manufacturer of land mobile radio, amateur radio, marine radio, navigation products, aviation radio and communications receivers.

ICOM QUALITY AND ICOM RELIABILITY

Over 50 years of engineering and production excellence is a part of every Icom product. Using the latest equipment, Icom radios are tested to pass rigorous in-house tests as well as environmental tests to the US Military standard 810 specifications. Icom´s products are also compliant with the European RoHS directive.

MADE IN JAPAN QUALITY

Icom is a rare example of an electronics manufacturer that has not shifted production to lower cost countries, but kept its production base 100% in Japan. The Wakayama Icom plant has an advanced production system to produce volume/multimodel wireless communication products.

ICOM, WORLD BRAND NAME

Icom is today recognized as a reliable 2-way radio brand name around the world. Their land mobile radios are used by many professional organizations all over the world, like the United States Department of Defense and the U.S. Marine Corp, who chose Icom as the first Japanese company to supply radios to them.

ICOM´S WORLDWIDE NETWORK

Icom products are sold in over 80 countries in the world. Icom has an international sales and service network around the world and with a production capacity of over 1.300.000 units/year they are considered as a market leader in 2-way radio communication products.

Index

IDAS

THE GRASS
REALLY IS
GREENER ON
THE OTHER SIDE
The Time Is NOW!

PRO EQUIP

The PROEQUIP series is a product line specially designed to meet the high demands from the market. The accessories have a robust and waterproof construction and all contacts are extra strengthen to endure more stress. PROEQUIP is constructed to meet IP-65.

IC-F3002/F4002
IC-F3102D/F4102D
IC-F27SR

IC-F3002/ IC-F4002   IC-F3102D/IC-F4102D

IC-F3002/F4002

SIMPLE OPERATION FOR INSTANT COMMUNICATION
The IC-F3002 series is so easy to use there's no special training required. The few knobs and buttons are generously sized for easy operation and are designed to provide non-slip, positive action – even while wearing gloves.

Easy to hear in noisy areas

Long operating time

800mW loud audio

Weather resistant, dust protection, military rugged

IP54 and MILSTD- 810

OTHER FEATURES
- Internal VOX capability for hands-free operation
- Simple operation for instant communication
- Selective calling, quiet stand-by and more
- Scan features
- Low battery alert
- 2-step power save
- 3-color LED

IC-F3102D/F4102D

EVERYTHING YOU EXPECT IN A BUSINESS RADIO, PLUS DIGITAL!
The IC-F3102D series provides basic operation in IDAS digital mode as well as standard analogue. It is also compatible with IDAS multi-site conventional and IDAS single-site trunking.

Non-slip, large PTT

800mW loud audio

Channel announcement

IDAS™ digital mode operation

IP54 and MILSTD- 810

OTHER FEATURES
- Internal VOX capability for hands-free operation
- Simple operation for instant communication
- Scan features
- Low battery alert
- Lone worker function

IDAS
ICOM DIGITAL ADVANCED SYSTEM

INFO	IC-F3002	Art.no 80117
	IC-F4002	Art.no 80118

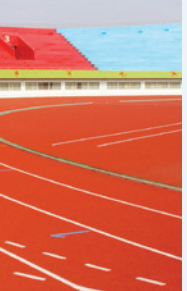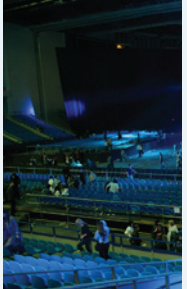| INFO	IC-F3102D	Art.no 80231
	IC-F4102D	Art.no 80241

IC-F27SR

Communications Solution

Events

Icom radios are ideal for all types of events. Facilitates communication at sound check, at the onset, between guards etc.

ICOM IC-F3002/F4002 series is a nice compact radio. It is small, highly impact resistant and waterproof to IP54.

IC-F27SR

HIGH PERFORMANCE, PROFESSIONAL LICENCE FREE RADIO

Outstanding audio quality, high performance and strong commercial build make the IC-F27SR the ideal licence free radio. This licence free radio is ideal for users in diverse areas such as construction, catering, event management, shopping centres, factories, farms as well as serious outdoor enthusiasts.

Analogue PMR 446 (8ch)

Up to 35.5 hours of operating time

Outstanding audio quality

Internal VOX for hands-free operation

OTHER FEATURES

- CTCSS and DTCS encoder and decoder for group call
- Surveillance function turns off the LED and beep sound
- Siren function can be used for security alarm
- Power save function
- Low battery alert

Lightweight headset with robust PTT

PRO PTT-box 25LS Robust PTT	PRO-LWB 25L Light Weight Headset Behind head
29157	**64328**

Compact speaker microphone with airtube

PRO-LSP480LS Compact Speaker microphone	PRO-AT35L Acoustic Earphone
29234	**29206**

2-wire headset with noise cancelling microphone

PRO-P280LS 2-wire solution with noise canceling mic	Noise Cancelling microphone is ideal for people who are working in extreme environment like disco, sport arena or maybe in a industry.
29193	

INFO   IC-F27SR   Art.no 80527

IC-F3002/F4002
IC-F3102D/F4102D
IC-F27SR

UNIVERSAL KIT – THE CUSTOMERS CHOICE

1 Your radio	
2 Choose PTT solution	You have two PTT options to choose between. If you like a standard rugged PTT which you can put in your belt you go for the PRO-PTT Box and if you prefer to have a finger PTT solution you can use the PRO-2 Wire.
3 Choose Audio solution	Choose your Audio (microphone & speaker) - The flexibility of the system enables you to choose from a wide range of solution and also maybe have several kits that you can alternate between depending on your needs.

1 Radio   2 PTT   3 Headset (2.5 mm 3-pole connector)

PRO PTT-box 25LS Robust PTT (2.5 mm female) **29157**	HS-95 Robust behind-the-head-type **90495**	HS-97 Throat microphone **90497**	HS-94 Earhook type with boom microphone **90494**

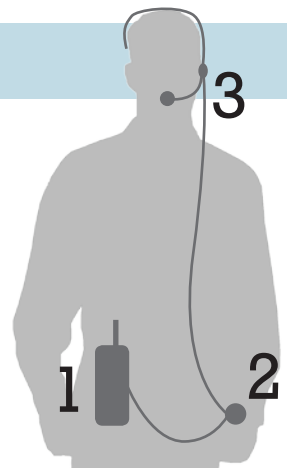|					
PRO-2 Wire PTT LS (2.5 mm female for headset, 3.5 mm for finger PTT) **29209**	PRO-BONE 25L Bone Conduction earphone **29213**	PRO-Surveillance 25L c-shell inline mic **29226**	PRO-GSM style 25L Cellular type of mini headset solution **60280**	PRO-LWB 25L Light Weight Headset Behind head **64328**	PRO-LWO 25L Light weight headset Over head **72240**

Accessories

PRO-P180LS
Mini PTT with acoustic airtube

29199

STANDARD ANTENNAS

FA-SC55V 150-174MHz	FA-SC57U 430-470MHz
90805	90807

CUTTABLE ANTENNAS

FA-SC61VC 136-174MHz	FA-SC61UC 380-520MHz
90861	90860

STUBBY ANTENNAS

FA-SC57VS 160-174MHz	FA-SC73US 450-490MHz
90857	90873

BATTERIES

BP-265 Battery7.4V 2000MAh Li-Ion	BP-263 Alcaline Battery Case (AAx6pcs) for
91265	91263

CHARGER

BC-193 Desktop Charger for BP-265
93193

MULTI CHARGER

BC-197 #13 6-Slot rack incl. powersupply
93198

CABLES FOR CHARGERS

CP-23L Cig cable for charger	OPC-515L DC cable for charger	MB-F3002 Car charger Handles12V-24V
89016	92515	89276

SPEAKER MICROPHONES

PRO-SP680LS Speaker Microphone Alarm button	PRO-SP480LS Speaker Microphone Alarm button
29683	29234

EARPHONES

PRO-U600LS Universal, 2 earpieces screw-type connection	PRO-P180LS Mini PTT with acoustic airtube	PRO-D30L Earpiece with 3.5 mm/L shaped contact	PRO-AT35L acoustic airtube, 3.5 mm/L and quick connect airtube	Rubber Eartip for acoustic airtube (10 pcs/set)
29134	29199	29149	29206	72242

HEADSET

Open insert 3-pack left/right ear (S,M,L) EFI-L/EFI-R	PRO-P780RB Military style headset	PRO-P580LWO Telephonist style headset
60278/60279	29261	29264

OTHER ACCESSORIES

Open harness 3 strap version for good comfort	Leather Case F3002/F4002 w. Swivel	Nylon Case F3002/F4002 w. Swivel	AD-98FSC Antenna adapter
91169	91954	91953	93098

IC-F34BTi/F44BTi GS/GT
IC-F3032S/F4032S

IC-F3032S/F4032S   IC-F34BTI/F44BTI GS   IC-F34BTI/F44BTI GT

IC-F34BTi/F44BTi GS/GT

ADVANCED STANDARD MODEL

The IC-F34BTi series is suitable for a variety of needs, large or small, mobile or stationary. Offering advanced features such as wide frequency range, Bluetooth support, multiple signaling and loud audio, the IC-F34BTi series is a rugged and reliable 2-way communications tool.

Tough and reliable construction

Build in Bluetooth
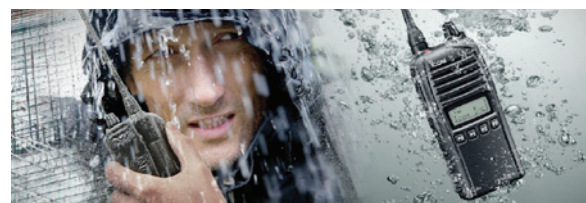
Simple operation

Lithium-Ion battery pack

OTHER FEATURES

- CTCSS and DTCS encoder and decoder for group call
- Optional man down unit, UT-124
- Optional voice scrambler UT-109 and UT-110
- Wide frequency coverage and wide, middle and narrow channel spacing programmable
- Small and lightweight body

INFO	IC-F34BTi GS	Art.no SET 153
	IC-F34BTi GT	Art.no SET 154
	IC-F44BTi GS	Art.no SET 155
	IC-F44BTi GT	Art.no SET 156

IC-F3032S/F4032S

SUPERIOR WATERPROOF PROTECTION COMBINED WITH VERSATILE FUNCTIONS.

IP67 waterproof and dust-tight protection

Long operating time

Selective calling, quiet stand-by and more

Scan features

Internal option units available

OTHER FEATURES

- Up to 128 memory channel with 8 zones
- Low battery alert
- 2-step power save

INFO	IC-F3032S	Art.no 83032
	IC-F4032S	Art.no 83033

Bluetooth™

Unique PTT support for Peltor

Totally unique in the market for IC-F34BTi is that it handles Peltor PTT protocol which enables you to have a PTT function up in the headset when using the Peltor WS headset. In other words, there's finally a Bluetooth™ solution that works as you'd expect!

Simple pairing

Pairing the headset with IC-F34BTi is simple, logical and designed to be as seamless as possible for the user. Pairing button is preprogrammed to your favorite buttons for quick access. This feature is also always via the setup menu. Once mating is completed and the link is active, an icon in the display indicating that everything is working properly. If paired the headset's name will also appear in clear text in the display.

Use any headset

In addition to use with Peltor WS headsets the radio can be used with most other Bluetooth™ headsets on the market and also has support for PIN code entry. The radio also has memory for multiple headsets so you do not need to mate if in case you switch between already paired headset.

Products supporting PTT protocol

Peltor WS headset-series   PRO-BT520

- High sound quality Bluetooth™.
- Voicemail from the radio for Bluetooth™ features programmable on/off.
- Favorite button is pre-programmed as pairing button.
- Symbol is displayed when the Bluetooth™ connection is active.
- The radio support Peltor PTT protocol which means you get a real PTT function in the headset.
- Easily switch the sound between the radio and Bluetooth™ headset.
- Support for PIN code entry.
- Can be used with most Bluetooth™ headsets on the market.
- When mated, it is shown paired headset by name.
- Bluetooth™ version 2.1 + EDR.

Three ways to use your Bluetooth™ radio

1 Connect your radio to a Peltor WS headset and get a unique and highly effective solution where you can easily send directly to your headset when you want to be heard.
You can also connect a microphone to optimize your audibility when sending.

2 Connect your radio to our specially developed light-weight headsets, PRO-BT520. This solution is designed for those who do not want a noise reducing headset. The solution also supports the unique PTT protocol allowing you to transmit directly to the headset.

3 You can also connect the radio to the most Bluetooth™ headsets on the market. You will not get the unique PTT support, but you can send by turning on and off transmission with the answer key on your Bluetooth™ headset.

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IC-F34BTi/F44BTi GS/GT
IC-F3032S/F4032S

UNIVERSAL KIT – THE CUSTOMERS CHOICE

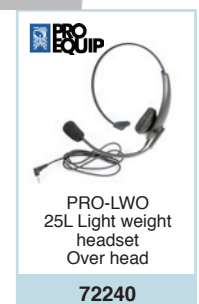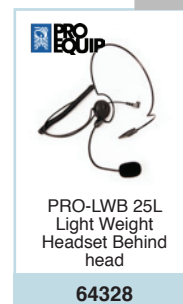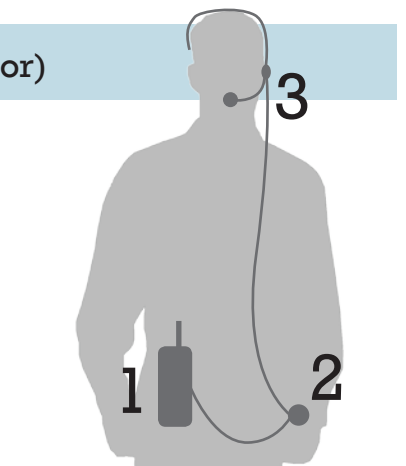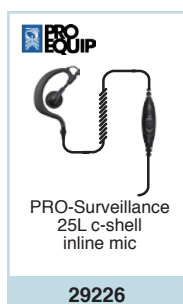| **1 Your radio**	
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3 Choose Audio solution	Choose your Audio (microphone & speaker) - The flexibility of the system enables you to choose from a wide range of solution and also maybe have several kits that you can alternate between depending on your needs.

1 Radio   2 PTT   3 Headset (2.5 mm 3-pole connector)

PRO PTT-box 25LS
Robust PTT
(2.5 mm female)
29157

HS-95
Robust behind-the-head-type
90495

HS-97
Throat microphone
90497

HS-94
Earhook type with boom microphone
90494

PRO-2 Wire PTT LS
(2.5 mm female for headset, 3,5 mm for finger PTT)
29209

PRO-BONE 25L
Bone Conduction earphone
29213

PRO-Surveillance 25L c-shell
inline mic
29226

PRO-GSM style 25L
Cellular type of mini headset solution
60280

PRO-LWB 25L
Light Weight Headset Behind head
64328

PRO-LWO
25L Light weight headset Over head
72240

Accessories

STANDARD ANTENNAS

FA-SC55V 150-174MHz	FA-SC57U 430-470MHz
90805	**90807**

CUTTABLE ANTENNAS

FA-SC61VC 136-174MHz	FA-SC61UC 380-520MHz
90861	**90860**

STUBBY ANTENNAS

FA-SC57VS 160-174MHz	FA-SC73US 450-490MHz
90857	**90873**

BATTERIES

IBP-232 PLUS 2700 mAh Li-Ion batteri	BP-232H (Li-Ion) 7.4V/2250mAh	BP-240 AAA (LR03)x6 cells
29233	**93232**	**91240**

CHARGER

BC-160 Standard charger

93160

UNIVERSAL CHARGER

BC-197 #23 6-Slot rack incl. powersupply	MB-F34 Car charger Handles12V-24V
93199	**89286**

CABLE

CP-23L Cig cable for BC-160

89016

HEADSET AND EARPHONES

PRO-P780RB Military style headset	PRO-P580LWO Telephonist style headset	Peltor WS Tactical XP	PRO-U600LS Universal, 2 earpieces screw-type connection	PRO-D30L Earpiece with 3.5 mm/L shaped contact	PRO-AT35L acoustic airtube, 3.5 mm/L and quick connect airtube	PRO-P180LS Mini PTT with acoustic airtube
29261	**29264**	**49757**	**29134**	**29149**	**29206**	**29199**

PRO-BT520 Lightweight headset Bluetooth			
30315			

OPTION

Rubber Eartip for acoustic airtube (10 pcs/set)	Open insert 3-pack left/right ear (S,M,L) EFI-L/EFI-R
72242	**60278/60279**

SPEAKER MICROPHONES

PRO-SP680LS Speaker Microphone Alarm button	PRO-SP480LS Speaker Microphone Alarm button	HM-159LA Robust RSM,screw-type connection
29683	**29234**	**94178**

OTHER ACCESSORIES

Nylon case With belt hanger for F34-series	Nylon case With hanger	Open harness 3 strap version for good comfort	AD-98FSC Antenna adapter	Car holder for F34-series	UT-110 Voice scrambler unit (rolling type)
91161	**91168**	**91169**	**93098**	**89287**	**90115**

Extend your range

The PRO-SP960/980 is a 2.4 GHz secure wireless microphone powered with frequency hopping spread spectrum technology specifically designed for use with mobile radios.

This new breakthrough device allows mobile radio users for the very first time to create a cost effective wireless connection to their mobiles. Allowing users to communicate wirelessly over long distances (up to 300 metres) with clear secure audio. PRO-SP960/980 is ideal for delivery or service personnel who need to constantly get in and out of their commercial vehicles. With the PRO-SP960/980 they can now remain in constant communication with their mobile radio whilst out of the vehicle.

Our innovative product will not only change the way you interact with your mobile radio, it's also comfortable, light weight and easy to use.

VOLUME UP/DOWN

PTT

EMERGENCY

ON/OFF

HIROSE HEADSET JACK

3.5 MM EARPIECES JACK

HOLDER

Features

- **Up to 300 metres outdoor range**
- **Suits most manufacturers' mobile radios**
- **Rugged removable belt clip**
- **IP55 weatherproof design**
- **3.5 mm earpiece socket**
- **10+ hour operation**
- **Hirose 6 pin accessory connector**
- **Emergency button**

| INFO		
PRO-SP960 Wireless RSM, 64 bit, Hirose, 1200 mA battery and cradle		Art.no 30390
PRO-SP980 Wireless RSM, 128 bit, Hirose, 1200 mA battery and cradle		Art.no 30391
Charging cradle for PRO-SP960/980		Art.no 30409
3 Way interface box for PRO-SP960/980		Art.no 30393
Installation cable - PRO-SP960/980 - 3 Way Box <=> Cradle		Art.no 30399
Installation cable for PRO-SP960/980 - for radio unit		Call for info
Antenna 2,4 GHz, mounting on glass for SP980 + 2,5 meter SMA		Art.no 30405

Example of users...

Fire brigade/Ambulance/Police

Warehouse/Industry

Security/Transport

0-300 meters

Example of installation:
Truck, Car, Motorcycle, Dispatcher etc
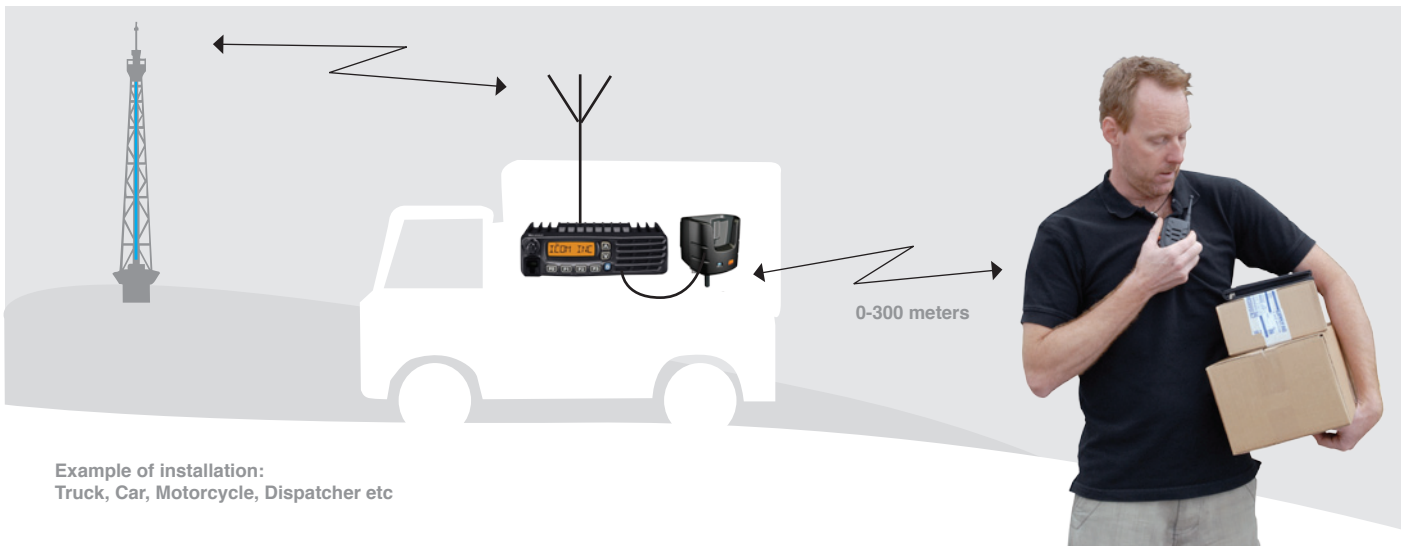
World breating performance

Voice Protection

Your wireless communication between the PRO-SP960/980 and the mobile radio will remain secure with both 64 and 128bit encryption models available.

Compatibility

The PRO-SP960/980 will work with any mobile radio due to it's unique compatible design and accessories.

Powerful

The PRO-SP960/980 has a long communication range.

Clear Audio

Users can expect clear audio ensuring voice communcations can be heard under stressful environments.

Rugged Design

Built for continuous use, the PRO-SP960/980 has a lightweight yet totally rugged design built for use in any terrain.

Features

SPECIFICATIONS	
Dimensions	88 x 28 x 63mm
Standard Weight	150 Grams
Frequency Bands	2.40 GHz~2.48 GHz ISM Band
User Modes	Standard PTT & Emergency
Operating Temperature	-10°C to +60°C
Operating Voltage	3.7V DC
RF Power Output	10mWatts / 100mWatts
Rated Audio	>250mW
Audio Distortion	3%
RF Connectors	SMA Female
Type Acceptance	CE, FCC
Shock & Vibration	MIL-STD 810C/D/E/F
Humidity, Rain & Dust	IEC529, IP55
Battery	1200mA Lithium Ion
Battery Life	10+ Hours
Range	60 - 300 + Meters

13

IC-F51V/F61V
IC-F51ATEX/F61ATEX

IC-F51V/F61V

NEVER MISS IMPORTANT CALLS

The IC-F51V series offers loud audio, vibration alert and voice recorder functions that let you catch every call. Furthermore, the IC-F51V-series offers a compact dust and waterproof package that provides reliable communications, and is easy to use in nearly any environment.

Vibration alert function

8 minute voice recorder

700mW (typical) audio output with internal speaker

IP67

OTHER FEATURES

- 56(W)×97(H)×36.4(D) mm compact body
- Inversion type voice scrambler is built-in
- Optional waterproof speaker-microphone, HM-168
- Large capacity Lithium-Ion battery pack, BP-227
- Built-in CTCSS, DTCS, 2-Tone and 5-Tone capability
- Mode-dependent scan

IC-F51ATEX/F61ATEX

SUPERIOR WATERPROOF PROTECTION

Firefighters, police, security and public utilities. Each profession has its own unique challenges, but all have one thing in common: the need for reliable communications. The IC-F51 series offers a compact waterproof package that is easy to use. This radio keeps you in contact in nearly any environment.

The IC-F51/F61 and designated options are certified to the ATEX Protection Class II 2 GD Ex ib IIA T3 Ex tD A21 T160˚C IP67 as interpreted in the following table. It is suitable for use in hazardous areas where flammable gasses, liquids or combustible dusts are used.

Approved classes

The approved rating is

Gas: II2GD Ex ib IIA T3

Dust: II2GD Ex tD A21 T160°C IP67

Communications Solution

Covert

We have the solution for security guards and covert personnel who want to blend in and not show that they use radio.
You can use a finger PTT going out through the arm or buy a solution with a wireless PTT.

FEATURES

- DISCRETE PTT WHICH IS MORE COVERT
- COMPACT DESIGN EASY TO CONCEAL
- FOR COVERT OPERATION WHERE DISCREET COMMUNICATION IS ESSENTIAL
- SUITABLE FOR PATROLLING POLICE, SECURITY PERSONNEL IN HOTEL, CONFERENCE HALL, CASINO AND RESTAURANT, ETC.

Cellular headset style

PTT →

PRO-2 Wire PTT SC (2.5 mm female for headset, 3.5 mm for finger PTT)

29212

PRO-GSM style 25L Cellular type of mini headset solution

60280

Security guard style

PTT

PRO-Surveillance kit, 2-wire, wireless PTT

29445

IC-F51V/F61V
IC-F51ATEX/F61ATEX

UNIVERSAL KIT – THE CUSTOMERS CHOICE

1 Your radio

2 Choose PTT solution

You have two PTT options to choose between. If you like a standard rugged PTT which you can put in your belt you go for the PRO-PTT Box and if you prefer to have a finger PTT solution you can use the PRO-2 Wire.

3 Choose Audio solution

Choose your Audio (microphone & speaker) - The flexibility of the system enables you to choose from a wide range of solution and also maybe have several kits that you can alternate between depending on your needs.

1 Radio	**2** PTT	**3** Headset (2.5 mm 3-pole connector)

	PRO PTT-box 25SC Robust PTT (2.5 mm female)	HS-95 Robust behind-the-head-type	HS-97 Throat microphone	HS-94 Earhook type with boom microphone
	29156	**90495**	**90497**	**90494**

PRO-2 Wire PTT SC (2.5 mm female for headset, 3,5 mm for finger PTT)	PRO-BONE 25L Bone Conduction earphone	PRO-Surveillance 25L c-shell inline mic	PRO-GSM style 25L Cellular type of mini headset solution	PRO-LWB 25L Light Weight Headset Behind head	PRO-LWO 25L Light weight headset Over head
29212	**29213**	**29226**	**60280**	**64328**	**72240**
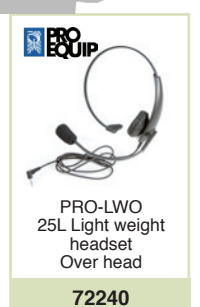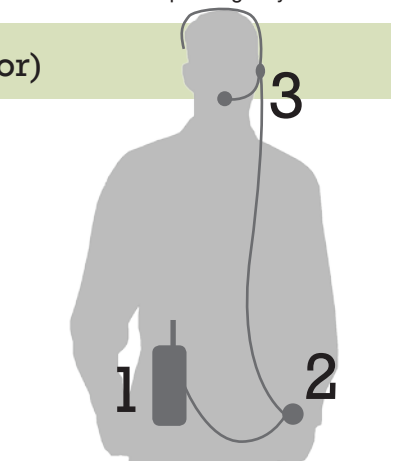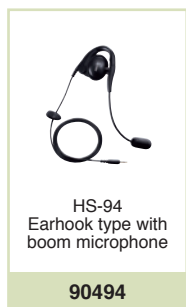
Accessories

STANDARD ANTENNAS

FA-S59V 150-174 MHz	FA-S27U 400-470 MHz
81509	**81527**

STUBBY ANTENNAS

FA-S63VS 160-174 MHz	FA-S57US 450-490 MHz
90863	**90869**

HI GAIN ANTENNA

Hi Gain antenna Center 155MHz 480 mm

86051

ATEX BATTERY

BP-227ATEX

93227

BATTERIES

BP-227 Li-Ion 7.4V/1850mAh	BP-226 AA(LR6)x5 cells
91227	**91226**

MULTI CHARGER 6 SLOT

REQUIRES EACH OTHER

BC-121N Universal charger 6 slot	AD-100 Adapter for F51/F61
93121	**93100**

CHARGERS

BC-190 Standard charger	Car charger Handles12V-24V
93190	**89284**

UNIVERSAL CHARGER

REQUIRES EACH OTHER

BC-119 Universal charger	AD-100 Adapter for F51/F61
89119	**93100**

CABLES FOR CHARGERS

CP-23L Cig cable for charger	OPC-515L DC cable for charger
89016	**92515**

SPEAKER MICROPHONES AND PTT KIT

HM-170GP RSM with GPS reciever IP57	HM-168 IP57 Dustprotected and waterproof RSM	HM-138 ATEX Microphone
94170	**94168**	**90138**

EARPHONES

PRO-SP680SC Speaker Microphone Alarm button	PRO-SP480SC Speaker Microphone Alarm button	PRO-U600SC Universal, 2 earpieces screw-type connection	PRO-P180SC Mini PTT with acustic airtube	PRO-AT35L acoustic airtube, 3.5 mm/L and quick connect airtube	PRO-ATSC acoustic airtube	Rubber Eartip for acoustic airtube (10 pcs/set)
29685	**29200**	**29172**	**29198**	**29206**	**29173**	**72242**

OTHER ACCESSORIES

Open insert 3-pack left/right ear (S,M,L) EFI-L/EFI-R	AD-52 Earphone adapter	MB-96N Belt hanger swivel type	MB-96F Leather belt hanger	Open harness 3 strap version for good comfort	Leather case With belt hanger	Car holder for F51/F61
60278/60279	**90152**	**93096**	**93097**	**91166**	**91142**	**89285**

IC-F3162D/F4162D
IC-F3262D/F4262D

IC-F3162D/ F4162D T   IC-F3162D/ F4162D S   IC-F3262D/ F4262D S   IC-F3262D/ F4262D T

IC-F3162D/F4162D S/T

CONVENTIONAL/ DIGITAL MULTI-MODE LAND MOBILE!

Designed and built for advanced communication needs, the IC-F3162 series handhelds are feature-rich with built-in multiple signalings and trunking capability. Two optional slots support numerous extension capabilities including IDAS digital operation.

Dot matrix, multi-function LCD

Loud audio output with BTL amp

IDAS, 6.25kHz digital mode ready

512 memory channels

OTHER FEATURES

- Built-in inversion type voice scrambler and optional UT-109R and UT-110R for higher security
- The mode independent setting automatically selects the scanning list, according to the operating channel
- IP55 dust-protection and water jet resistance
- Optional man down unit, UT-124R
- Lone worker function

IC-F3262D/F4262D S/T

ADVANCED IDAS™ DIGITAL HANDHELD WITH BUILT-IN GPS AND WATERPROOF PROTECTION

IP67 Waterproof & Dustproof Protection

Man Down and Lone Worker Functions for Emergency Call

800mW (typ.) Audio Output Power

Built-in GPS Receiver

14-pin Accessory Connector

OTHER FEATURES

- 512 memory channels
- Built-in Voice Scrambler
- 5W output power both in VHF and UHF
- Built-in 2-Tone, 5-Tone and BIIS 1200*
- CTCSS/DTCS encoder/decoder
- Busy channel lockout, repeater lockout

PRO-SP680

The highest performance level speaker microphone available on the market today.

PRO-SP680 is a multifunctional robust speaker microphone which gives you the little extra you need to feel confident with you product.

ALARM

LED

PTT

LED ON/OFF

HIGH/LOW

3.5 MM EARPIECES JACK

ART.NO 29685

i-LOC

Indoor localisation system

i-LOC

i-LOC uses low-power beacons strategically placed within a building or area. When the user of the handportable passes, the beacon automatically transmits it's identity to a receiver fitted inside the ICOM radio. This information, including all other radio traffic is then logged and stored on a central database, providing a powerful management tool for any security-conscious organisation.

i-LOC Beacon low-power beacon for i-Loc system	F3162/4162 -RXLOC + MANDOWN Build in unit for i-LOC system	RMS.004 RadioMessSystem Mapp Version inc Dongle
82176	82177	49966

IC-F3162D/F4162D

UNIVERSAL KIT – THE CUSTOMERS CHOICE

1 Your radio

2 Choose PTT solution You have two PTT options to choose between. If you like a standard rugged PTT which you can put in your belt you go for the PRO-PTT Box and if you prefer to have a finger PTT solution you can use the PRO-2 Wire.

3 Choose Audio solution Choose your Audio (microphone & speaker) - The flexibility of the system enables you to choose from a wide range of solution and also maybe have several kits that you can alternate between depending on your needs.

1 Radio	**2** PTT	**3** Headset (2.5 mm 3-pole connector)				**3**

| | PRO PTT-box 25SC Robust PTT (2.5 mm female) **29156** | HS-95 Robust behind-the-head-type **90495** | HS-97 Throat microphone **90497** | HS-94 Earhook type with boom microphone **90494** | | |

| | PRO-2 Wire PTT SC (2.5 mm female for headset, 3.5 mm for finger PTT) **29212** | PRO-BONE 25L Bone Conduction earphone **29213** | PRO-Surveillance 25L c-shell inline mic **29226** | PRO-GSM style 25L Cellular type of mini headset solution **60280** | PRO-LWB 25L Light Weight Headset Behind head **64328** | PRO-LWO 25L Light weight headset Over head **72240** |

20
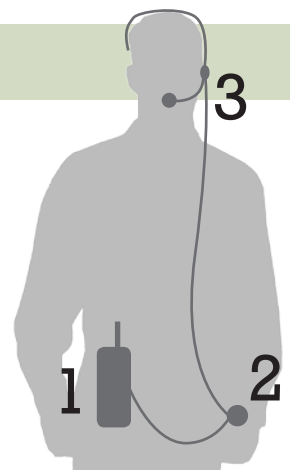
PRO-Surveillance kit, 2-Wire, Wireless PTT

29445

STANDARD ANTENNAS

FA-SC55V 150-174MHz	FA-SC57U 430-470MHz
90805	**90807**

CUTTABLE ANTENNAS

FA-SC61VC 136-174MHz	FA-SC61UC 380-520MHz
90861	**90860**

STUBBY ANTENNAS

FA-SC57VS 160-174MHz	FA-SC73US 450-490MHz
90857	**90873**

CHARGERS

BC-160 Standard charger	Car charger 12V-24V
93160	**89286**

MULTICHARGER

BC-197 #23 6-Slot rack incl. powersupply
93199

SPEAKER MICROPHONES AND PTT KIT

HM-168 IP57 Dustprotected and waterproof RSM	HM-170GP RSM with GPS reciever IP57	PRO-SP680SC Speaker Microphone Alarm button	PRO-SP480SC Speaker Microphone Alarm button	PRO-Surveillance Kit 2 wire, wireless PTT	PRO-U600SC Universal, 2 earpieces screw-type connection	PRO-P180SC Mini PTT with acoustic airtube
94168	**94170**	**29685**	**29240**	**29445**	**29172**	**29198**

EARPHONES

PRO-AT35L acoustic airtube, 3.5 mm/L and quick connect airtube	PRO-ATSC acoustic airtube	Rubber Eartip for acoustic airtube (10 pcs/set)	Open insert 3-pack left/right ear (S,M,L) EFI-L/EFI-R	AD-52 Earphone adapter
29206	**29173**	**72242**	**60278/60279**	**90152**

BATTERIES

BP-232H (Li-Ion) 7.4V/2250mAh	BP-240 AAA (LR03)x6 cells
93232	**91240**

OTHER ACCESSORIES

MB-96N Belt hanger swivel type	MB-96F Leather belt hanger	Leather case With belt hanger	Car holder for F3162-series	AD-98FSC Antenna adapter	UT-96R 5-tone unit	UT-110R Voice scrambler unit (rolling type)
93096	**93097**	**91218**	**89287**	**93098**	**90196**	**90210**

IC-F5022/F6022
IC-F5062/F6062
IC-F5122D/F6122D

IC-F5022/F6022

IC-F5062/F6062

IC-F5022/F6022

FEATURES, PERFORMANCE, VALUE FOR THE EVERY-DAY PMR USER.

The IC-F5022 series is ideal for small-to-mid sized systems for public safety, large industry to light commercial users. The IC-F5022 series offers multiple signaling, advanced scanning, improved external channel control capability and wide frequency coverage packed in a compact body. This rugged mobile easily exceeds your expectations with its reliable performance and communication quality.

128 memory channels

Front mounted speaker

6 programmable buttons

Most popular signalings built-in

Optional internal units

OTHER FEATURES

- Microphone hanger action programmable
- Power-on password function
- Optional DTMF microphone (HM-152T)

IC-F5062/F6062

MULTI-MODE, MULTI-FEATURED PROFESSIONAL MOBILE

Designed for public safety, transportation and delivery service users, the IC-F5062 series offers advanced multi-mode operations, improved scanning, flexible installation suitable for mobile and base stations.

IP54 dust-protection and splash resistance

IDAS digital mode ready

Detachable front panel

Built-in versatile tone signaling

Voting operation

OTHER FEATURES

- 8 DTMF autodial memories
- 512 memory channel capacity
- Optional heavy duty, keypad microphone
- Power on password
- Advanced scanning functions including
- Tx channel, talk back and nuisance delete

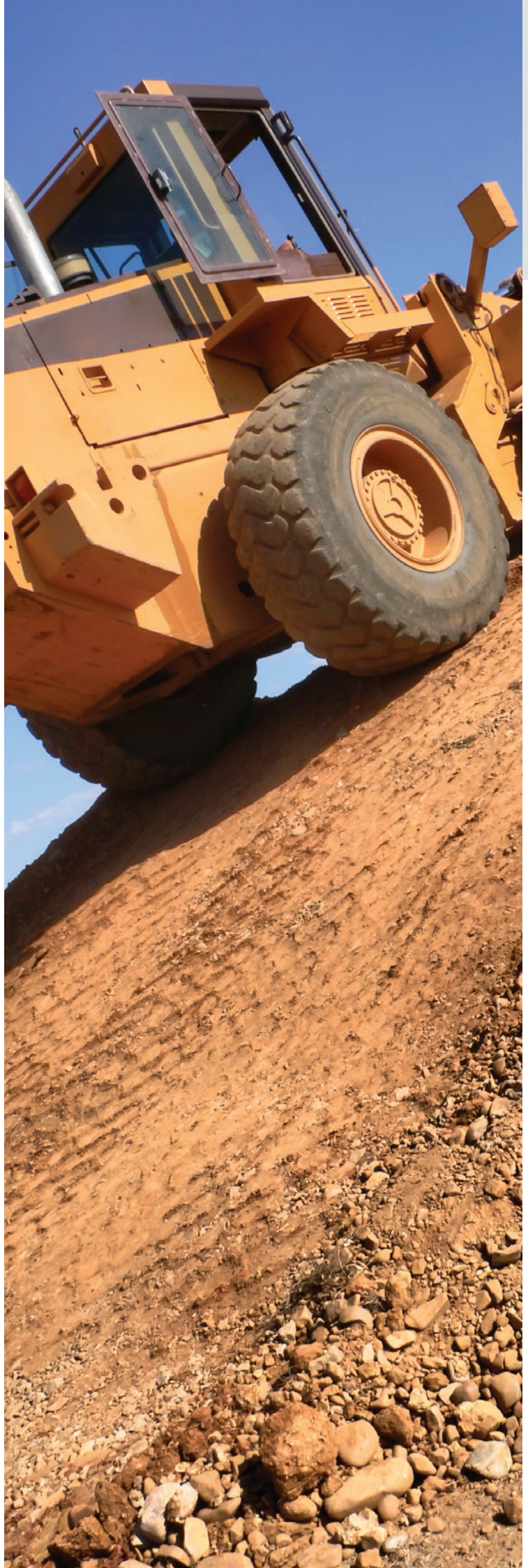| INFO | IC-F5022 | Art.no 85022 |
| | IC-F6022 | Art.no 85023 |

| INFO | IC-F5062 | Art.no 85061 |
| | IC-F6062 | Art.no 85064 |

IC-F5122D/F6122D

ANALOGUE/DIGITAL

IC-F5122D/F6122D

EVERYTHING YOU'D EXPECT IN A BUSINESS RADIO, PLUS DIGITAL!

128 channels

Powerful, front-facing speaker

IDAS™ digital mode operation

Optional accessory cable

IDAS
ICOM DIGITAL ADVANCED SYSTEM

OTHER FEATURES

- CTCSS/DTCS encoder/decoder
- Microphone hanger action programmable
- Optional DTMF microphone
- Power-on password function
- Time out timer
- Nuisance delete function

INFO	IC-F5122D	Art.no 80251
	IC-F6122D	Art.no 80261

IC-F5022/F6022
IC-F5062/F6062
IC-F5122D/F6122D

Radiator 68-225MHz	Radiator 380-470MHz	Antennabase 5M RG58 open coil	Antennabase 3.65M RG58 UHF	Robust magnetbase 3.65M FMG	FME-UHF contact
67401	**67408**	**67402**	**67403**	**67350**	**67083**

MH 2-ZR 144-174 MHz Compl.with mounting	MH 2-ZR 146-175MHz Whip Antenna	Z Car mounting	Wing Screw Z Car antenna	MH1-MMR 144-175 MHz Complete with mag. mount. for car	MM-MINIMAG for X antenna	MH1-XR Antenna 144- 175 MHz
5004119	**5090106**	**5020801**	**5025801**	**5004113**	**5025805**	**5004109**

MU 7-X/h Antenna 430-470 MHz	MU 7-X/l Antenna 406-440 MHz	SRS-PS100 Desk top chassie	Mascot 9522 Power supply for enclosure	Mascot 9460DC/ DC24/12V 10A	SEC-1223 Power supply 13.8VDC 23A	Cabinet for SEC-1223 suit F5022/6022
5008142	**6008137**	**82010**	**49524**	**49460**	**49223**	**58505**

Accessories

SM-26 Desktop Microphone
90974

MICROPHONES

				SPEAKER	
Cabinet for SEC-1223 suit F5062/F6062	HM-152#02 Microphone	HM-152T12 Microphone	SM-26 Desktop Microphone	SP-22 External Speaker	SP-24 Powerful external speaker
58520	**94152**	**94151**	**90974**	**90924**	**90934**

VEHICLE MOUNTING

DM-1010 Handsfree for Icom mobiles	DM-6600F Gooseneck Hands-free Microphone	RMK-3 Sep.kit for IC-F5060-series	OPC-609 Sep. cabel for RMK 1.9 m	OPC-608 Sep. cabel for RMK 8 m	OPC-607 Sep. cabel for RMK 3 m
88101	**89962**	**89103**	**92609**	**92608**	**92607**

VEHICLE MOUNTING / OTHER ACCESSORIES

Vehicle Mounting kit din F5022/6022	Vehicle Mounting kit din F5062/F6062	Horn honk Unit SRS UX-617	UT-110R Voice-scrambler rolling type F5062/F6062	OPC-345 DC Kabel	UT-126H IDAS digital unit F5062/F6062
82009	**82008**	**80630**	**90210**	**92345**	**94126**
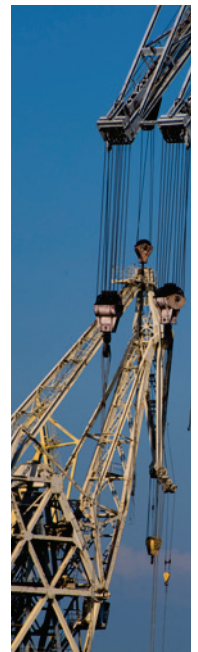
IC-FR5100/FR6100

ADVANCED POWERFUL REPEATERS

Icom's repeaters have been designed as advanced heavy duty performers to support all types of commercial radio applications. A host of standard features and guaranteed Icom performance means you'll need to look no further to satisfy your communication needs.

UNIQUE TWO-IN-ONE REPEATERS

The IC-FR5100 series combines superior analog specifications with competitive cost performance. Its slim, rackmount design allows you to stack two RF modules in one unit. In addition, the built-in IDAS digital mode paves the way to a future digital migration now.

19-inch rack mount, 2U height low profile design

The IC-FR5100 series uses only 2U height. This low profile configuration allows you to stack multiple units in an industry standard 19-inch rack and provides great space efficiency.

Two RF modules in one unit

The IC-FR5100 series has an internal space for installing another RF unit. Two RF modules can be installed and can be programmed and operated independently. LEDs on the front panel show both channel conditions.

25W 100% duty cycle operation

Employing a high stability ±0.5ppm oscillator and high performance power amplifier, the IC-FR5100 series provides a reliable 100% duty cycle operation at 25W output.

D-SUB 25-pin accessory connector

The IC-FR5100 series has a programmable D-SUB 25-pin accessory connector for connecting various trunking controllers or external remote control devices. Also, modulation/demodulation signals can be input/output from the D-SUB connector.

UR-FR5100/FR6100

IC-FR5100/FR6100

VE-PG3

Versatile Radio over IP Gateway

The VE-PG3 has two function modes; one is the bridge mode which interconnects two or more radio over IP networks. The radio users can talk to other radio group users over the network. The VE-PG3 can connect dispersed radio systems over the network and can provide crossband communication between VHF and UHF or IDAS digital and analog conventional radio systems.

The other mode is the converter mode which interconnects calls between connected IP phone, analog phone and radio systems. Radio users can dial to a PSTN line or an IP phone number.

MAJOR SELLING POINTS
- Radio to radio system bridge mode connection
- Converter mode interconnects calls between IP Phone, analog phone and radiosystems
- Radio users can make a call to a PSTN line or an IP phone number
- Radio/IP phone to external equipment connection

INFO

BASE ANTENNAS

GP-160LBN Antenna 145-175MHz 1/4 GP	GP-430 LBN Antenna 380-480MHz	GPA 45-230 1/4- antenna	FM-Dipole Antenna 87-194MHz	Aerial dipol	Aerial H- 2-stack dipol	Aerial H-4-stack dipol
67405	**67430**	**67404**	**67387**	**Upon request**	**Upon request**	**Upon request**

BASE ANTENNAS

PROCOM We offer Procom's product programme within base station antennas reflects state-of-the-art modern antenna constructions and comprises active receiver antennas, circular polarised antennas, directional antennas (gain), omni-directional antennas (gain), multiband antennas, yagi antennas & dipole antennas.

MOUNTING KIT

Antenna wall mount bracket	Adjustable antenna mount bracket	Antenna pipe 1,5 m length 38 mm wide
67500	**49255**	**49153**

POWER SUPPLY & CABLES

Mascot 9522 Power supply 13,2VDC 10A	SEC-1223 Power supply 13,8VDC 23A	SEC1223R1 Rackmount Power Supply 13,8VDC 23A FR5100/FR6100	A wide selection of cables for repeater installations (RG-214, RG-223 and 1/2" cables)
49524	**49223**	**58111**	**Upon request**

Base Station Controller including phone patch & repeater controller

COM50 interfaces to most any base station on the market. Selective calling is supported by standard ZVEI and CCIR tone signalling.

75050

DUPLEX & MOUNTING KIT

A wide selection of VHF Duplex filers	A wide selection of UHF Duplex filers	Duplex Mounting Kit IC-FR5100/6100
Upon request	**Upon request**	**45424**

Call Recorder Single Flash

This model is used when keeping recordings for a long time is only occasionally necessary. It has enough memory for either 5 or 10 hours recording time.

TELEPHONE & MOUNTING

OTHER ACCESSORIES

Eldon repeater cabinet 9U	Eldon repeater cabinet 15U	UT-110R Voice-scrambler rolling type	SP-3000 Lightning protector antenna	Lightning protector phone
88462	**88463**	**90210**	**34512**	**29026**

49503

IDAS SYSTEM

IDAS is Icom's digital land mobile radio system. IDAS offers a complete system of handheld radios, mobile radios, repeaters, network interface/trunking controller, remote communicator and various accessories. IDAS is a complete digital solution that system owners and managers can grow into as their own time and budgets allow.

IDAS™ SYSTEM FEATURES

Spectrum efficiency

The IDAS system utilizes 6.25kHz narrowband FDMA technology. This system is not only spectrum efficient but meets the FCC 2011 deadline for narrow band compliance.

Audio quality and coverage

When compared to an analog FM signal, digital easily outperforms analog in audio clarity at the fringes of the communication range, thus providing more reliable audio over a greater total area, even if the coverage footprint is the same as analog FM.

Secure conversation

The digital modulation/demodulation makes it difficult to decode the IDAS digital signal by using the current scanner receivers at this time. The digital voice scrambler adds security on your conversation.

IDAS™ Trunking

The IDAS trunking conforms with NXDN™ type-D trunking protocol. The IDAS trunking is a distributed system which does not use a dedicated control channel and it is an affordable digital trunking solution for high volume users.

Flexible IP Network

The IDAS multi-site trunking/conventional system integrates IP network capability in the system and extends your communication coverage. The remote communicator, RC-FS10, creates an IP-based virtual radio on a PC and works as a simple dispatcher.

Flexible migration path

The IDAS system allows you to scale migration to narrow band digital at your own pace and needs, while running your existing analog system. The IDAS radios can receive both analog and IDAS conventional mode signals on a single channel.

IDAS™ MIGRATION PATH

TRUNKING

Analog multi-site trunking

IDAS single-site trunking
Up to 48-sites connection
Up to 60000 IDs
Fleet management

Analog trunking

IDAS single-site trunking
Up to 30 channels per site
Up to 2000 IDs

CONVENTIONAL

Analog conventional

IDAS conventional
6.25kHz digital migration
Mixed mode operation

IDAS multi-site conventional
Up to 16-sites connection

Analog system   Digital migration   IP Network (Wide area)

IDAS™ CALLING FEATURES

IDAS supports following calling features in digital mode.

Digital/analog mixed mode

The IDAS radio can receive both analog mode and IDAS conventional mode signals on a single channel and automatically selects the received mode to reply to the received call, while the talk back timer remains. It's a smart way to grow into digital radio – at your own pace, as your budget and comfort allow.

Individual/group call

The IDAS radio allows you to call individual or group users. The radio automatically sends own ID number when the PTT button is held down. The alias name or individual/group ID is displayed on the LCD*1 while receiving a message allowing the radio user to identify who is calling.

Emergency call functions

When the emergency button is pushed, an emergency signal will be automatically sent to the dispatcher or another radio. Other emergency features are a man down feature*2 and a lone worker function, available for automated emergency calls (in digital and analog modes). A remote radio monitor function allows the dispatcher to turn on the PTT button from a remote location and transmit anything the microphone hears for a preprogrammed time period.

Status message and short data message

Up to 100 status conditions can be set and sent with voice call.

Also, the radio user can request another IDAS radio to send their status and receive it. Up to 100-character of short data message can be sent and received.*

GPS capability

When used with the optional GPS speaker microphone for the handheld IDAS radio or an external GPS receiver for the mobile IDAS radio, the IDAS radio can transmit accurate position data for use with vehicle management applications.

Radio kill, stun and revive

The radio kill function disables a lost or stolen radio over the air, eliminating security threats from undesired listeners. When the radio stun command is received, all functions will be temporary locked out until the revive command is received or the user password is entered.

Digital voice scrambler

When secure communication is required, the IDAS system provides a digital voice scrambler using a 15-bit key (about 32,000 codes) as standard. This is added security to the digital modulation/demodulation.
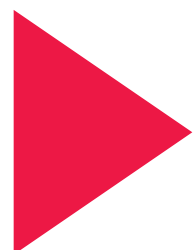
Other features

• Radio check function allows you to verify if another radio is within communication range

• Call log displays the received call history*1

• Call alert function notifies the receiving party that a call is coming by using a beep sound and blinking icon

• RAN (Radio Access Number) code for digital code squelch

• Late entry: IDAS radio can decode the received ID and show group ID, unit ID or alias name on the display* even when turned on during a conversation* Except IC-F3101D series (No-LCD) radio.

Power on/off status only.TX: Transmit, RX: Receive

IDAS™ FUNCTION CHART

	IC-F3162 D IC-F4162 D series	IC-F5062 D IC-F6062 D series	IC-F3102 D IC-F4102 D series	IC-F5122 D IC-F6122 D series	RC-FS10	IC-FR5000 IC-FR6000 Base mode
IDAS multi-site conventional	✔(Rev. 2.0 or later)	✔(Rev. 2.0 or later)	✔	✔	✔	✔
IDAS single-site trunking	✔(Rev. 2.4 or later)	✔(Rev. 2.4 or later)	✔	✔	—	—
IDAS multi-site trunking	✔(Rev. 4.0 or later)	✔(Rev. 4.0 or later)	—	—	Available later	—
PTT ID	✔	✔	TX only	✔	✔	✔
Individual List	✔(Max. 500 ID)	✔(Max. 500 ID)	—	✔(Max. 500 ID)	✔(Max. 500 ID)	✔(Max. 500 ID)
Talkgroup List	✔(Max. 500 ID)	✔(Max. 500 ID)	—	✔(Max. 500 ID)	✔(Max. 500 ID)	✔(Max. 500 ID)
Log for individual Call	✔	✔	—	✔	✔	—
Block Decode	✔	✔	✔	✔	✔	✔
RAN code	✔	✔	✔	✔	✔	✔
Status	✔	✔	TX only *1	✔	✔	✔
SDM (Short Data Message)	✔	✔	—	✔	✔	✔
Call Alert	✔	✔	RX only	✔	✔	✔
Radio Check	✔	✔	RX only	RX only	✔	✔
Stun/Revive/Kill	✔	✔	RX only	RX only	TX only	✔
Emergency	✔	✔	TX only	✔(No ACK TX)	✔	RX only
Remote Monitor	✔	✔	RX only	RX only	TX only	✔
Digital voice scrambler	✔	✔	✔	✔	✔	✔
GPS	✔	✔	TX only	✔	RX only	—
GPS microphone	HM-170GP	—	HM-171GP	—	—	—

IDAS™ PRODUCT LINEUP

IC-FR5100/ IC-F6100

- 136-174, 400-470, 450-512, 350-400MHz coverage
- Number of channels: Max 32 channels
- 19-inch rack mount design, 2U height low profile design
- 12-digit dot-matrix display and 32 memory channels
- Multiple CTCSS, DTCS tone and digital RAN code decode
- 25W at 100% duty operation
- "2 channel in 1 box" configuration (Optional UR-FR5000/UR-FR6000 required)
- 5-Tone and DTMF encoder/decoder (For analog FM mode)
- Accessory connector (D-sub 25-pin) for connecting analog trunking controllers or other external devices

Options

UC-FR5000
IDAS Trunking/Network Controller
UC-FR5000 #01 IDAS single-site trunking
UC-FR5000 #02 (UC-FR5000+CF-FR5000MC)
IDAS multi-site conventional
UC-FR5000 #03 (UC-FR5000+CF-FR5000MT)
IDAS multi-site trunking

CF-FR5000MT
CF Card
IDAS multi-site trunking upgrade software for UC-FR5000 #01.
* CF-FR5000MT is already installed to UC-FR5000 #03.

CF-FR5000MC
CF Card
Multi-site conventional upgrade software for UC-FR5000 #01.
CF-FR5000MC is already installed to UC-FR5000 #02.

"2 channel in 1 box" configuration

UC-FR5000, IDAS trunking/network controller

UR-FR5000 (VHF)
UR-FR6000 (UHF)
Channel Modules

UR-FR5000 series, Channel Module

2 channel IDAS trunking repeater

Two RF units can be installed in the unit.
(Left side is an option.)

Multi-site conventional
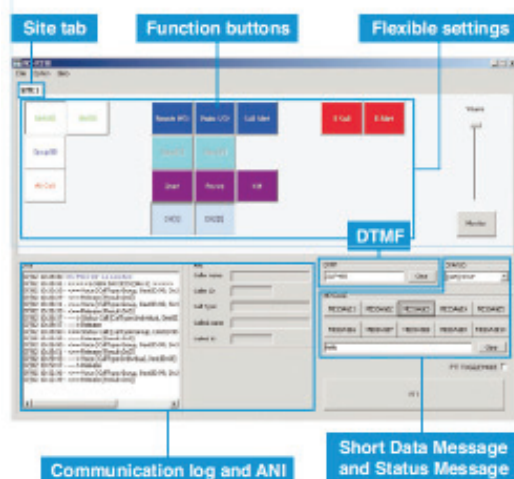
Multi-site trunking

RC-F10

- The digital voice converter, CT-24, is a USB connection device that converts microphone audio to an IDAS compatible digital signal. The remote communicator software will not work if the CT-24 is not connected.

- HM-152 or SM-26 can be connected to a PC through the CT-23 PTT microphone adapter which converts the microphone audio and PTT signal to the 3.5mm stereo jack. AC adapter BC-147SA/SE is required separately for use with the CT-23.

- Up to 8 target IDAS repeater sites* can be programmable in the software. 8 remote communicators can connect to a single repeater.*

- The RC-FS10 software can transmit one voice path at a time. One CT-24 is required for receiving an IDAS repeater site and up to 8 repeater sites can be monitored simultaneously with 8 CT-24s.

- RC-FS10 for multi-site trunking is available later.

Site tab   Function buttons   Flexible settings
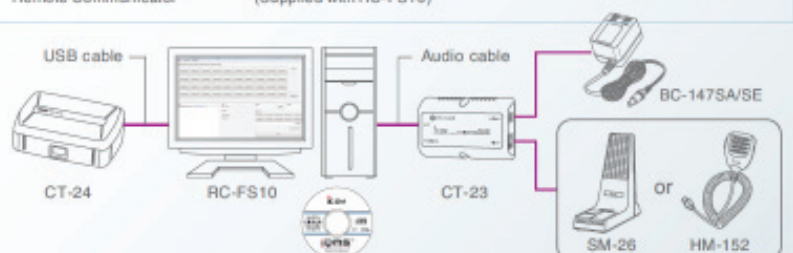
DTMF

Communication log and ANI

Short Data Message and Status Message

RC-FS10 Remote Communicator

CT-24 Digital Voice Converter (Supplied with RC-FS10)

CT-23 PTT Microphone Adapter

USB cable   Audio cable   BC-147SA/SE

CT-24   RC-FS10   CT-23   SM-26   or   HM-152

IC-F3162DT/F3162DS/F5062D/F3262D
IC-F4162DT/F4162DS/F6062D/F4262D

- 136–174, 400–470, 450–512, 350–400MHz coverage
- 512 Channels/128 zones
- IDAS multi-site trunking
- IDAS single-site trunking
- IDAS conventional & multi-site conventional
- Digital/analog mixed mode operation
- Built-in 2-Tone / 5-Tone / CTCSS / DTCS
- Dot matrix, multi-function LCD
- Detachable front panel with optional RMK-3 and separation cable
- D-Sub 25-pin accessory connector and ignition sensing line (IC-F5062D series)
- Optional GPS speaker-microphone, HM-170GP

5W (VHF/UHF) **5W** (VHF/UHF) **25W** (VHF/UHF)

IC-F3102D/F5122D
IC-F4102D/F6122D

- 136–174, 400–470, 450–512, 350–400MHz coverage
- 16 Channels (IC-F3101D series), 128 Channels/8 zones (IC-F5122D series)
- IDAS single-site trunking
- IDAS conventional & multi-site conventional
- Digital/analog mixed mode operation
- Built-in 2-Tone / 5-Tone / CTCSS / DTCS / MDC 1200 signaling (For analog FM mode)
- Channel announcement (IC-F3101D series)
- D-Sub 25-pin accessory connector with optional OPC-2078
- Optional GPS speaker-microphone, HM-171GP

5W (VHF/UHF) **25W** (VHF/UHF)

INFO

IDAS HANDHELD 136-174MHz	
IC-F3102D	Art.no 80231
IC-F3162S	Art.no ID83162
IC-F3162T	Art.no ID83163

IDAS HANDHELD 400-470MHz	
IC-F4102D	Art.no 80241
IC-F4162S	Art.no ID84164
IC-F4162T	Art.no ID84162

IDAS MOBILE STATION 136-174MHz	
IC-F5122D	Art.no 80251
IC-F5062	Art.no ID85061

IDAS MOBILE STATION 400-470MHz	
IC-F6122D	Art.no 80261
IC-F6062	Art.no ID85064

IDAS REPEATER	
IC-FR5100	Art.no 85100
UR-FR5100	Art.no 85101
IC-FR6100	Art.no 86100
UR-FR6100	Art.no 86101

IP/TRUNKING	
UC-FR5000	Art.no 85108
CF-FR5000MT	Art.no 85110

DISPATCHER	
RC-FS10	Art.no 85105

VHF Group

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The VHF Group is an international holding company with head office in Oslo, Norway. The companies that form the VHF Group have been active since the late 1960s. The VHF Group was founded in 1980.

The Group was founded in order to improve our marketing profile and our negotiation position in relation to our suppliers. This in turn has helped us to become more competitive and increase our market share. The Group has companies in Sweden, Norway, Denmark and Poland, as well as exclusive agreements with external agents in Iceland and Finland.

The focus and area of activity of the VHF Group is wireless communications. Our core business is the import and distribution of products and services, as well as related support. Sales to end customers are handled by our broad network of highly skilled resellers.

We are a growth-oriented group of companies with our own competence within marketing, service, support, logistics, IT and administration. We do not conduct costly hardware development and as such we have been able to create a stable financial platform to relay on for the future. We do, however, carry out some changes to our products to ensure that they are suited to the Nordic market and we also do customisation.

An annual turnover of around Euro 30 million and 68 employees make the VHF Group one of the largest privately-owned wireless communications companies in Scandinavia.

We have a wide range of suppliers and our key contacts include Icom Inc, Sepura, DAMM and Frequentis. We cooperate closely with these suppliers and as a result we have access to feedback from the market, which helps us to meet the ever-changing needs of our customers.

Together with our suppliers, the VHF Group is looking forward to an exciting future where we are in a position to offer the products and services that meet our customers' wireless communication needs in most environments and applications – today and tomorrow.