Icom Products and Accessories

ICOM

ANTENNAS
EARPHONES
CASES
HEADSETS
CHARGERS
BATTERIES
HANDSFREE
MICROPHONES
CABELS

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, they 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 exellence 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 procuction 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. There 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.

IDAS

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

Index

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 is extra strengthen to endure more stress. PROEQUIP is constructed to meet IP-65.

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.

Handportabel

Easy to hear in noisy areas
The built-in bridge-tied load (BTL) amplifier offers powerful 800mW* audio output from the large 45mm speaker. The radio delivers loud and intelligible audio even in noisy environments.

Longer operating time
A new high efficiency FET of the IC-F3002 series reduces consumption current and provides 20 hours* of operating time with the BP-265, 2000mAh battery pack. *Tx:Rx:Standby=5:5:90. Power save function ON.

Weather resistant, dust protection, military rugged
While the radio is a compact unit with a height of only 111mm, the radio is tested to dust protection and water resistant equivalent to IP54 and 11 categories of MILSTD- 810 environmental test. In short, the IC-F3002 series is built rugged!

Internal VOX capability for hands-free operation
The radio has the internal VOX capability for hands-free operation. Optional compatible headset with plug adapter cable OPC-2004 can be used with the radio. Also, the VOX gain and VOX delay time are adjustable.

IC-F3002/ IC-F4002

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.
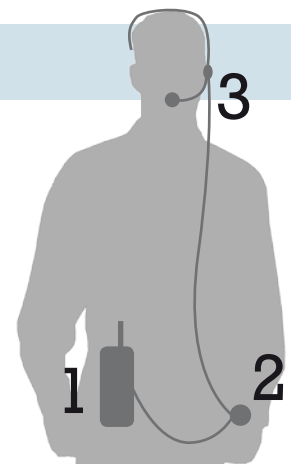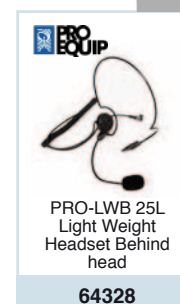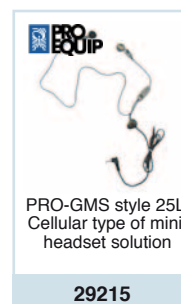
3 Choose Audio solution

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 with screwed contact (2,5 mm female)	HS-95 Robust behind-the-head-type	HS-97 Behind-the-head-type	HS-94 Earhook type with boom microphone
	29157	90495	90497	90494

PRO-2 Wire PTT LS (2,5 mm female for headset, 3,5 mm for finger PTT)	PRO-BONE 25L Bone Conduction earphone	PRO-Surveillance 25L Acoustic earphone with lapel microphone	PRO-GMS style 25L Cellular type of mini headset solution	PRO-LWB 25L Light Weight Headset Behind head	PRO-LWO 25L Light weight headset Over head
29209	29213	29214	29215	64328	72240

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Accessories IC-F3002/ F4002

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

6-Slot rack for BC-197 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 AND PTT KIT

HM-159L Robust RSM,screw-type connection	PRO-SP 380LS Midsize RSM screw-type connection	PRO-U600LS Universal, 2 earpieces screw-type connection	PRO-P180LS Mini PTT with acustic airtube
94149	29203	29134	29199

EARPHONES

PRO-D30L Earpiece with 3.5 mm/L shaped contact	PRO-AT35L acustic airtube, 3,5 mm/L and quick connect airtube
29149	29206

OTHER ACCESSORIES

Rubber Eartip for acustic airtube (10 pcs/set)	Open insert 3-pack left/right ear (S,M,L) EFI-L/EFI-R	Open harness 3 strap version for good comfort	Leather Case F3002/F4002 w. Swivel	Nylon Case F3002/F4002 w. Swivel	AD-98FSC Antenna adapter
60253	60278/60279	91169	91954	91953	93098

IC-F3022/4022 | F34/F44

BUILT TO LAST, BUILT TO WORK!

These series are designed to provide simple operation for everyone but it is also a powerful and reliable radio for your daily business. Its very durable construction is resistant to shock and vibration. The IC-F3022/IC-F34 series will easily exceed your expectations.

Handportabel

Tough and reliable construction

These radios are built around an aluminum die-cast chassis and covered with a tough polycarbonate casing. They are built to last. Its dual slide rail securely locks the battery to the radio. The belt clip is clamped between the radio and the battery, making it nearly impossible to knock loose.

Simple operation

Having only a few buttons and distinctive volume and channel knobs, the IC-F3022/ IC-F34 series does not require special training to use. Positive button action for sure operation even when wearing gloves, allows you to get down to the business of communicating without fuss.

Lithium-Ion battery pack

The radios are supplied with a large Li-Ion battery pack which provides long operating time. An optional battery case provides a great assurance in an emergency.

IC-F3022/T4022T   IC-F34GS/ F44GS   IC-F34GT/ F44GT

UNIVERSAL KIT – THE CUSTOMERS CHOICE

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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.

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PRO PTT-box 25LS Robust PTT with screwed contact (2,5 mm female)	HS-95 Robust behind-the-head-type	HS-97 Behind-the-head-type	HS-94 Earhook type with boom microphone
29157	**90495**	**90497**	**90494**

PRO-2 Wire PTT LS (2,5 mm female for headset, 3,5 mm for finger PTT)	PRO-BONE 25L Bone Conduction earphone	PRO-Surveillance 25L Acoustic earphone with lapel microphone	PRO-GMS style 25L Cellular type of mini headset solution	PRO-LWB 25L Light Weight Headset Behind head	PRO-LWO 25L Light weight headset Over head
29209	**29213**	**29214**	**29215**	**64328**	**72240**

STANDARD ANTENNAS

FA-SC55V 150-174MHz	FA-SC57U 430-470MHz
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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-232N (Li-Ion) 7.4V/2000mAh	BP-240 AAA (LR03)x6 cells
91232	91240

CHARGER

BC-160 Standard charger
93160

UNIVERSAL CHARGER

BC-121N Universal charger 6 slot	BC-157 AC Adapter for BC-121N	AD-106(x6) Adapter for F15/F34	MB-F34 Car charger Handles12V-24V
93121	93157	93106(x6)	89286

CABLES FOR CHARGERS

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

SPEAKER MICROPHONES AND PTT KIT

HM-159L Robust RSM,screw-type connection	PRO-SP 380LS Midsize RSM screw-type connection	PRO-U600LS Universal, 2 earpieces screw-type connection	PRO-P180LS Mini PTT with acustic airtube
94149	29203	29134	29199

EARPHONES

PRO-D30L Earpiece with 3.5 mm/L shaped contact	PRO-AT35L acustic airtube, 3,5 mm/L and quick connect airtube
29149	29206

OTHER ACCESSORIES

Rubber Eartip for acustic airtube (10 pcs/set)	Open insert 3-pack left/right ear (S,M,L) EFI-L/EFI-R	Nylon case With belt hanger for F34-series	Leather case With belt hanger	Open harness 3 strap version for good comfort	AD-98FSC Antenna adapter	Car holder for F34-series
60253	60278/60279	91161	91143	91169	93098	89287

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 offers a compact dust and waterproof package that provides reliable communications, and is easy to use in nearly any environment.

Handportabel

Vibration alert function
When a important call is received, the radio vibrates powerfully enough to be felt through heavy clothing.

8 minute voice recorder
When a pre-programmed call is received, the voice recorder automatically starts recording the incoming message. You will not miss an important call even when you are temporarily away from the radio.

IP67, dust-tight and waterproof protection
The IC-F51V series can withstand submersion in 1m depth of water for up to 30 minutes and has dust-tight construction that prevents the ingress of dust.

700mW (typical) audio output with internal speaker
The IC-F51V series delivers a loud 700mW audio output with the built-in BTL amp. The built-in audio compander provides clear, low noise communications.

IC-F51V/ IC-F61V

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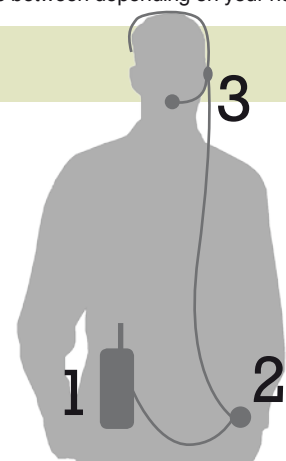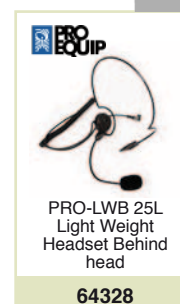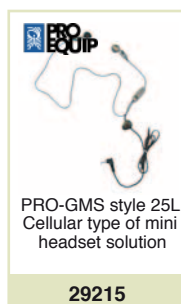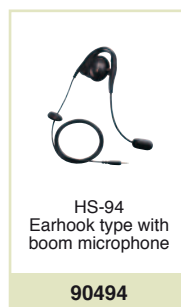
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1 Radio

2 PTT

3 Headset (2,5 mm 3-pole connector)

	PRO PTT-box 25SC Robust PTT with screwed contact (2,5 mm female)	HS-95 Robust behind-the-head-type	HS-97 Behind-the-head-type	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 Acoustic earphone with lapel microphone	PRO-GMS 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	29214	29215	64328	72240

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Accessories
IC-F51V/F61V

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

BATTERIES

BP-227 Li-Ion 7.4V/1700mAh	BP-226 AA(LR6)x5 cells
91227	91226

MULTI CHARGER 6 SLOT

BC-121N Universal charger 6 slot	BC-157 AC Adapter for BC-121N
93121	93157

CHARGERS

AD-100 Adapter for F51/F61	BC-190 Standard charger	Car charger Handles12V-24V
93100	93190	89284

UNIVERSAL CHARGER

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-159SC Robust RSM	HM-169 IP57 Dustprotected and waterproof RSM	HM-170GP RSM with GPS reciever IP57	PRO-SP 380SC Midsize RSM	PRO-U600SC Universal, 2 earpieces screw-type connection	PRO-P180SC Mini PTT with acustic airtube
94160	94169	94170	29217	29172	29198

EARPHONES

PRO-AT35L acustic airtube, 3,5 mm/L and quick connect airtube	PRO-ATSC acoustic airtube	Rubber Eartip for acustic airtube (10 pcs/set)	Open insert 3-pack left/right ear (S,M,L) EFI-L/EFI-R
29206	29173	60253	60278/60279

OTHER ACCESSORIES

MB-96N Belt hanger swivel type	Nylon case With belt hanger	Leather case With belt hanger	AD-52 Earphone adapter	Car holder for F51/F61
93096	91165	91142	90152	89285

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IC-F3162/F4162

CONVENTIONAL/ DIGITAL MULTI-MODE LAND MOBILE!

Designed and built for advanced communication needs, the ICF3162 series handhelds are feature-rich with built-in multiple signalings and trunking capability. Two optional slots support numerous extension capabilities including IDAS digital operation.

Handportabel

Dot matrix, multi-function LCD

The IC-F3162 series has a large dot matrix display to show information with high resolution characters. The display can show one line and 12 characters, or two lines and 24 characters. The bottom row shows assigned functions to the [P0] to [P3] buttons.

Loud audio output with BTL amp

The IC-F3162 series employs a BTL amplifier that increases the audio output and the built-in audio compander provides clear, low noise communications.

IDAS, 6.25kHz digital mode ready

The radio supports IDAS 6.25kHz digital mode with the optional UT-126H digital unit.

512 memory channels with 128 zones

The 512 memory channel capacity with 128 zones allows you to divide and store a variety of channel groupings for versatile and efficient fleet management.

IC-F3162T/ F4162GT   IC-F3162S/ F4162GS

UNIVERSAL KIT – THE CUSTOMERS CHOICE

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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.

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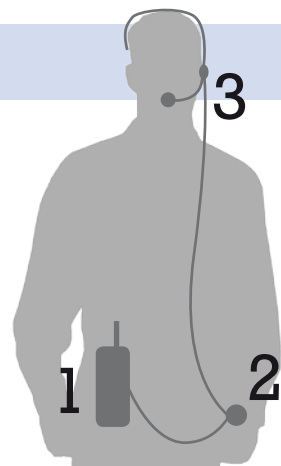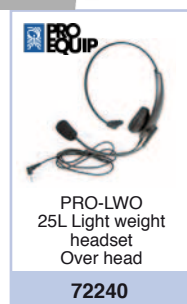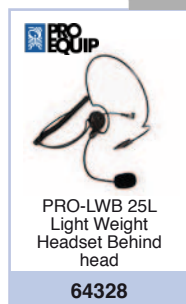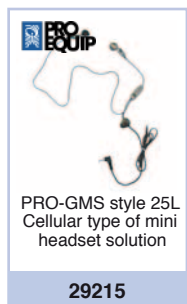
1 Radio   2 PTT   3 Headset (2,5 mm 3-pole connector)

PRO PTT-box 25SC Robust PTT with screwed contact (2,5 mm female) **29156**	
HS-95 Robust behind-the-head-type **90495**	
HS-97 Behind-the-head-type **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 Acoustic earphone with lapel microphone **29214**	
PRO-GMS style 25L Cellular type of mini headset solution **29215**	
PRO-LWB 25L Light Weight Headset Behind head **64328**	
PRO-LWO 25L Light weight headset Over head **72240**	

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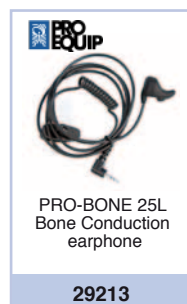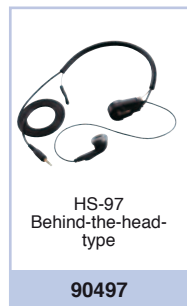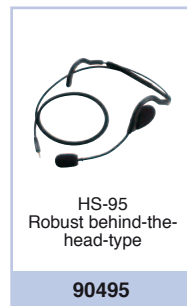
Accessories IC-F3162/F4162

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-232N (Li-Ion) 7.4V/2000mAh	BP-240 AAA (LR03)x6 cells
91232	91240

CHARGERS

BC-160 Standard charger	Car charger Handles12V-24V
93160	89286

UNIVERSAL CHARGER

BC-119 Universal charger	AD-106 Adapter for F3162
89119	93106

MULTICHARGER

BC-121N Universal charger 6 slot	BC-157 AC Adapter for BC-121N	AD-106 Adapter for F3162
93121	93157	93106

SPEAKER MICROPHONES AND PTT KIT

HM-159SC Robust RSM	HM-169 IP57 Dustprotected and waterproof RSM	HM-170GP RSM with GPS reciever IP57	PRO-SP380SC Midsize RSM screw-type connection	PRO-U600SC Universal, 2 earpieces screw-type connection	PRO-P180SC Mini PTT with acustic airtube
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29206	29173	60253	60278/60279

MB-96N Belt hanger swivel type	Leather case With belt hanger	AD-52 Earphone adapter	Car holder for F3162-series	UT-126H IDAS digital unit	AD-98FSC Antenna adapter
93096	91218	90152	89287	94126	93098

IC-F5022/F6022 | IC-F5062/F6062 | IC-F1710/F2710

VERSATILE, POWERFUL COMMUNICATIONS

Today's mobile workers need to get information and respond to it immediately, at any time, from any place. The ICOM mobile radios are designed to support critical expectations with reliable communications and versatile features.

Mobile

Large multi-function LCD

All the mobiles has a multi-function LCD with bank name and decoded text, etc. Various status icons for such functions as an S-meter and output power, etc., enhance the array of information available to the user.

Independent volume knob and powerful speaker

All mobiles has a front firing 4W (typ.) speaker providing crisp and clear audio. Independent volume knob offers quick operation.

Rugged construction

Icom mobiles has durable construction resistant to shock and vibration and provides reliable operation under harsh conditions.

Built-in versatile tone signaling

5-Tone, CTCSS, and DTCS encoder/decoder are equipped as standard. Multiple 5-Tone codes are programmable on a channel.

IC-F5022/F6022

IC-F5062/F6062

IC-F1710/F2710

IC-F1810/F2810

MOBILE ANTENNAS

Radiator 144-226MHz 68-225MHz	Radiator 68-225MHz	Antennabase 5M RG58 open coil	Antennabase 3,65M RG58 UHF	Robust magnetbase 3,65M FMG	FME-UHF contact
67400/ 67401	67408	67402	67403	67350	67038
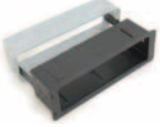
SRS-PS100 Desk top chassie	Mascot 9522 Powersupply for enclosure	Mascot 9460DC/ DC24/12V 10A	SEC-1223 Power supply 13,8VDC 23A	Cabinette for SEC-1223 suit F5022/6022	Cabinette for SEC-1223 suit F5062/F6062	Cabinette for SEC-1223 suit F1710/F1810
82010	49524	49460	49223	58505	58520	58515

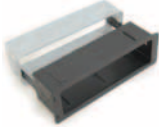| HM-152#o2 Microphone	HM-152T12 Microphone	SM-25 Desktop Microphone	SP-22 External Speaker	SP-24 Powerful external speaker	DM-1010 Handsfree for Icom mobiles	DM-6600F Gooseneck Hands-free Microphone 89962
94152	94151	90970	90924	90934	88101	89962

VEHICLE MOUNTING

RMK-3 Sep.kit for IC-F5060-series	RMK-2 Frontpanel Kit F1810/2810	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
89103	89102	92609	92608	92607

VEHICLE MOUNTING

Vehicle Mounting kit din F5022/6022	Vehicle Mounting kit din F5062/F6062	Vehicle Mounting kit din F1810/F2810
82009	82008	82007

OTHER ACCESSORIES

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
80630	90210	92345	94126

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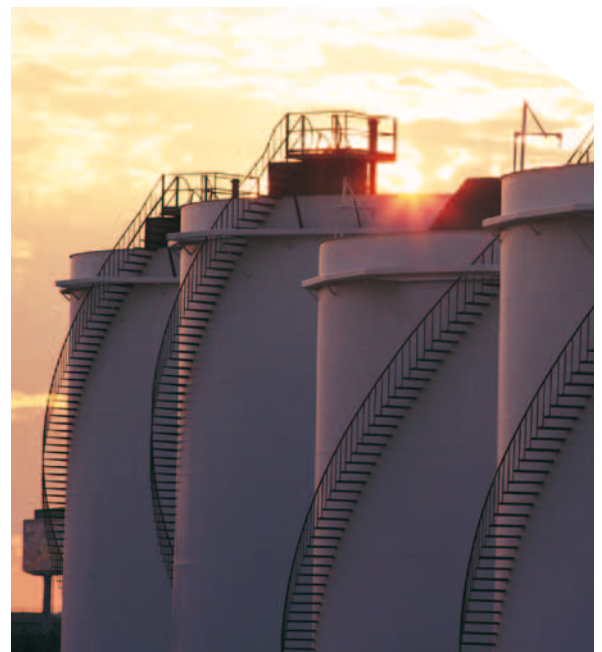
IC-FR3100/FR4100 | IC-FR5100/FR6100

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.

Mobile

25 Watt full duty cycle operation
Employing a high performance power amplifier and effective cooling system, the IC-FR3100/FR5100 provides a stable 25W at full duty cycle operation.

Multiple CTCSS tone decode
The Repeaters detects multiple CTCSS on a channel (up to 16 tones on a table) and downlinks (transmits) the received signal with a specified tone. This function is useful for sharing a channel with multiple groups.

Rugged construction
Icom Repeaters has durable construction resistant to shock and vibration and provides reliable operation under harsh conditions.

Versatile multipin accessory connector
Powerful accessory connector (D-sub 25-pin) for connecting trunking controllers or other external devices
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UR-FR5100/ FR6100

IC-FR5100/FR6100

IC-FR3100/FR4100

VE-PG2

Simple, Affordable Radio over IP Gateway
The VE-PG2 is a "Radio over IP Gateway" which connects an analog radio (repeater or transceiver) with another radio over an IP network. By interconnecting two or more radios over an IP network, your communication range can be expanded.

Bridge mode for point-to-point radio connection

IP Network
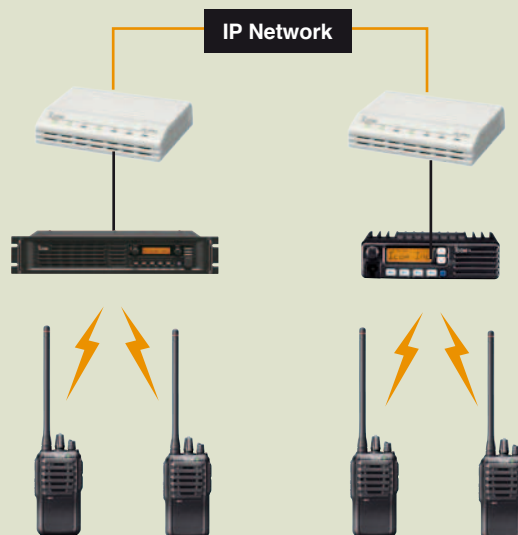
INFO

DESCRIPTION	ART.NO
IC-FR3100	83132
IC-FR4100#31	84131
IC-FR4100#33	84133
IC-FR5100	85100
IC-FR6100	86100
UR-FR5100	85101
UR-FR6100	86101
VE-PG2 #12	10123

14

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**

BASE ANTENNAS

GP-160LBN Antenn 145-175MHz 1/4 GP	GP-430 LBN Antenn 380-480MHz	GPA 45-230 1/4- antenna	FM-Dipole Antenna 87-194MHz	Aerial AV 1413 2-stack dipol 146-174MHz	Aerial AV 1915 H- 2-stack dipol 410-470MHz	Aerial AV 1914 H-4-stack 410-470MHz
67405	**67430**	**67404**	**67387**	**49157**	**49162**	**49161**

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**	
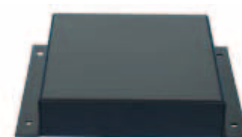
Base Station Controller including phone patch & repeater controller

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
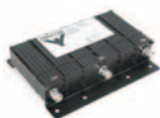
A wide selection of VHF Duplexfilers	A wide selection of UHF Duplexfilers	Duplex Mounting Kit IC-FR3100/4100	Duplex Mounting Kit IC-FR5100/6100
		82179	**45424**

TELEPHONE & MOUNTING

MB-77 Wall Mount Bracket IC-FR3100/4100	MB-78 Rack Mount Bracket IC-FR3100/4100	Eldon repeater cabinette 9U	Eldon repeater cabinette 15U
93077	**93078**	**88462**	**88463**

OTHER ACCESSORIES

UT-110R Voice-scrambler rolling type	SP-3000 Lightning protector antenna	Lightning protector phone
90210	**34512**	**29027**

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.

49503

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IDAS SYSTEM

IDAS Features

IDAS™ is Icom's digital land mobile radio system using the NXDN common air interface and offers a complete system of handheld radios, mobile radios, repeaters, network interface/trunking controller, IP-based virtual radio, various accessories and a complete system solution.

IP Network

An IDAS conventional IP network can extend your communication coverage. It lets you connect dispersed sites and allows you to communicate like a single site.

Digital Features

A significant advantage of the IDAS radio is their ability to operate in mixed analog/digital mode. There are a number of configurations available that enable the radio to hear both analog and digital but respond only in one or the other.

Trunking

Icom brings a proven approach to digital trunking by providing the benefits of familiarity, efficiency and cost effectiveness with the complete line of IDAS trunking digital radios.

Audio Clarity

We learned from our long distance telephone carriers that digital circuits allowed us to "hear a pin drop" - something the analog lines could never do. Now the clarity of digital technology has found it's way into two-way radios with IDAS.

Migration

IDAS allows your company to experience the benefits of digital radio while using your analog channels where they remain. IDAS bridges the systems together so all radios, analog or digital, can talk to one another - a no compromise, seamless migration.

Efficiency

Digital technology is more efficient than analog, meaning more information can be transmitted in a given bandwidth. The time to switch to digital is here for your TV and your radio system. Icom can help you transition to digital radio now.

The Time Is NOW!
GUARANTEED TO CLEAR UP THE WORST CASE OF ANALOG

Analog vs Digital Coverage
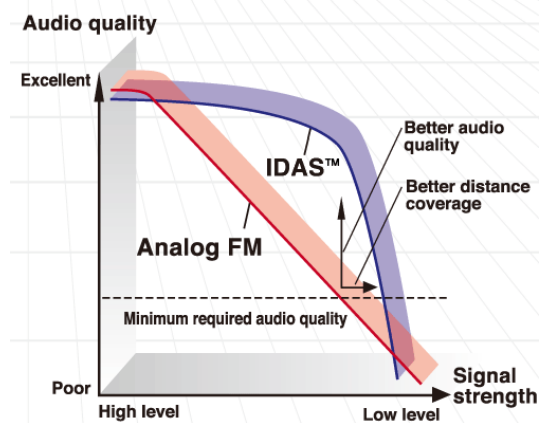
INFO

DESCRIPTION	ART.NO
UC-FR5000	85103
CF-FR5000MC	85104
CT-23	85106
RC-FS10	85105
IC-F3162S	83162
IC-F3162T	83163
IC-F4162S	84164
IC-F4162T	84162
IC-F5062	85061
IC-F6062	85064
UT-126H	94126
HM-170GP	94170
UR-FR5100	85101
UR-FR6100	86101
RMS004 incl. map	49966
RMS003 Client	49965

IDAS Products

IC-F3162/F4162

IC-F5062/F6062

IC-FR5100/FR6100

Digital/Analog mixed mode operation

Communication link for distant location

Up to 16 IDAS™ repeaters connection over IP network

With the optional UC-FR5000, up to 16 IDAS™ repeaters can be interlinked with each other. An IDAS terminal radio user can communicate with other IDAS™ terminal radio users belonging to the interlinked repeater sites and/or a virtual dispatch station on the network.
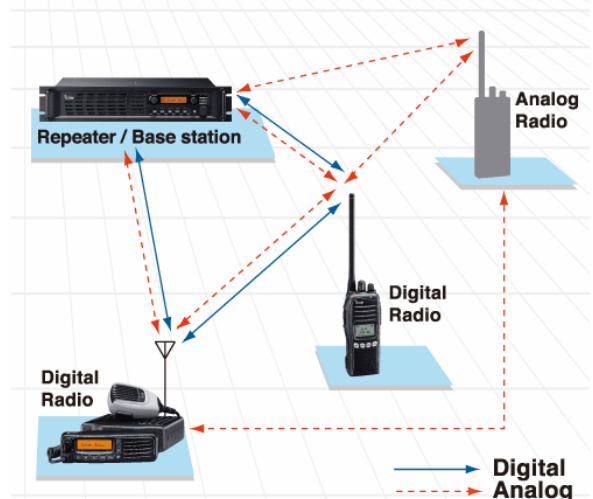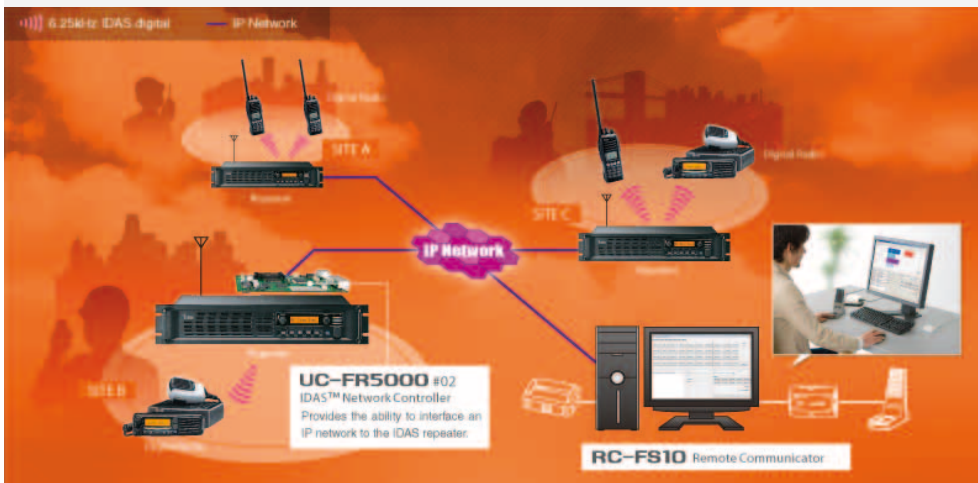
An IDAS™ conventional IP network can extend your communication coverage. It lets you connect dispersed sites and allows you to communicate like a single site.

Shares up to 30 channels with a large number of users

IDAS Trunking

The IDAS digital trunking and network controller board adds digital trunking features and IP repeater control capabilities to the digital IDAS network. The IDAS trunking system is a distributed system, which does not use a dedicated control channel. The IDAS trunking services on any requested channel, and every channel can be used for voice communications, while the repeater is not required to transmit a control signal continuously. The IDAS Trunking system can have up to 30 repeaters (RF units) per site

Dispatcher with a lot of features

RMS-Net is a digital radio management system that integrates voice radio communication, text/status messaging, various security features and a full reporting structure of all radio traffic held on a central computer database.

A major strength of RMS-Net is its reporting features. All radio traffic is logged and stored on a central database. This is ideal for management control and future resource planning including personnel database management.

Easy to set up, easy to use Running under Microsoft Windows operating system, RMS-Net follows Microsoft style for look and feel.

Mapping Options RMS-Net supports online mapping including Google Earth, Openstreet Maps, Bing Maps, Yahoo Maps, MapPoint 2009 and Raster Maps as well as some custom maps.

RC-FS10 Remote Communicator

The RC-FS10 Remote Communicator creates a virtual radio/simple dispatcher on a Windows®-based PC. It allows you to remote access IDAS repeaters via an IP network and communicate with IDAS radio terminals even from outside of the radio coverage area.

TECHNICAL SPECIFICATION

IC-F3002/F4002

GENERAL			IC-F3002	IC-F4002
Frequency coverage			136-174 MHz	400-470 MHz
Number of channels			16	
Channel spacing			12.5/25 kHz	
Current drain	Tx High		1.3A	1.3A
	Rx	Stand-by	70mA	
		Max. audio	330mA	
Dimensions (W×H×D)			58×111×35,5 mm	
Weight (approx.)			270g (with BP-265)	
TX RF output power			5W	4W
RX AF output power			800mW (typ.)	
IP rating			IP-54	
Operation time			20 hours (Tx: Rx: standby = 5:5:90)	

IC-F34/F44

GENERAL			F34	IC-F44
Frequency coverage			136-174 MHz	400-470 MHz
Number of channels			256 ch/16 zones	
Channel spacing			12.5/25 kHz	
Current drain	Tx High		1.5A	1.7A
	Rx	Stand-by	85mA	
		Max. audio	300mA	
Dimensions (W×H×D)			53×120×36.9 mm	
Weight (approx.)			340g (with BP-232N)	
TX RF output power			5W	4W
RX AF output power			500mW (typ.)	
IP rating			IP-54	
Operation time			16/15 hours (Tx: Rx: standby = 5:5:90)	

IC-F51V/F61V

GENERAL			IC-F51V	IC-F61V
Frequency coverage			136–174 MHz	400–470 MHz
Number of channels			128 ch/8 zones	
Channel spacing			12.5/20/25 kHz	
Current drain	Tx High		1.8A	1.8A
	Rx	Stand-by	85mA	
		Max. audio	500mA (Internal speaker)	
Dimensions (W×H×D)			56×97×36.4 mm	
Weight (approx.)			380g (with PB-227)	284g (with BP-227)
TX RF output power			5W	4W
RX AF output power			700mW (typ.) (internal speaker)	
IP rating			IP-67	
Operation time			10 hours (Tx: Rx: standby = 5:5:90)	

IC-F3162/F4162

GENERAL			IC-F3162T/S	IC-F4162T/S
Frequency coverage			136–174 MHz	400–470 MHz
Number of channels			512 ch/128 zones	
Channel spacing			12.5/25	
Current drain	Tx High		1.5A	1.8A
	Rx	Stand-by	150A	140A
		Max. audio	600mA	
Dimensions (W×H×D)			53×136×38.9 mm	
Weight (approx.)			340g /with PB-232N	
TX RF output power			5W	
RX AF output power			500mW (typ.)	
IP rating			IP-55	
Operation time			14 hours (Tx: Rx: standby = 5:5:90)	

IC-F5022/F6022 | F5062/F6062 | F1710/F1810

GENERAL			IC-F5022	IC- F6022	IC-F5062	IC- F6062	IC-F1710/ IC-F1810	IC- F2710/ IC-F2810
Frequency coverage			136–174 MHz	400-470 MHz	136–174 MHz	400–470 MHz	136–174 MHz	400–470 MHz
Number of channels			128 ch/8 zones		512 ch/128 zones		256 ch/32 zones	
Channel spacing			12.5/20/25 kHz		12.5/20/25 kHz		12.5/20/25 kHz	
Current drain	Tx High		5A		7A		7A	
	Rx	Stand-by	250mA		300mA		600mA	
		Max. audio	0.7A		1.2A		1.2A	
Dimensions (W×H×D)			150×40×117.5 mm		160×45×150 mm		175×45×170 mm	
Weight (approx.)			800g		1.3kg		1.5kg	
TX RF output power			25W		25W		25W	
RF AF output power			4W (typ.)		4W (typ.)		4W (typ.)	

IC-FR3100/FR4100 | FR5100/FR6100

GENERAL			IC-FR3100	IC-FR4100	IC-FR5100/ UR-FR5100	IC-FR6100/ UR-FR6100
Frequency coverage			150–174 MHz	400–430 MHz	136–174 MHz	400–470 MHz
				450–480 MHz		
Number of channels			32 ch		32 ch	
Channel spacing			12.5/25		6.25/12.5/25 kHz	
Power supply			220–240V AC (50/60Hz) or 13.2V DC		13.2V DC	
Current drain	Tx High		10A	12A	7A	
	Rx	Stand-by	1A (typ.)		400mA	
		Max. audio	2A (typ.)		1900mA	
Dimensions (W×H×D)			410×110×360 mm		483×88×260 mm	
Weight (approx.)			12kg		5.6kg	
TX RF output power			25W		25W	
RX AF output power			2.5W (typ.) with a 4Ω load		3.5W (typ.) with a 4Ω load	

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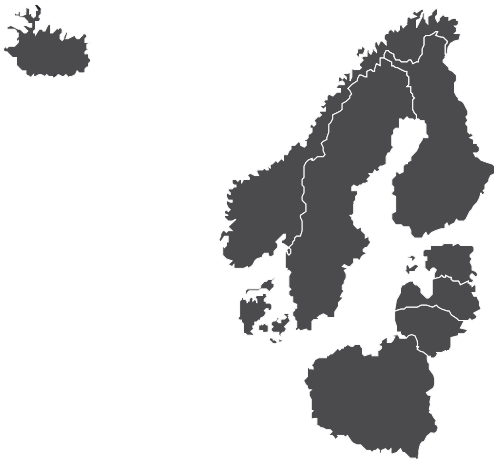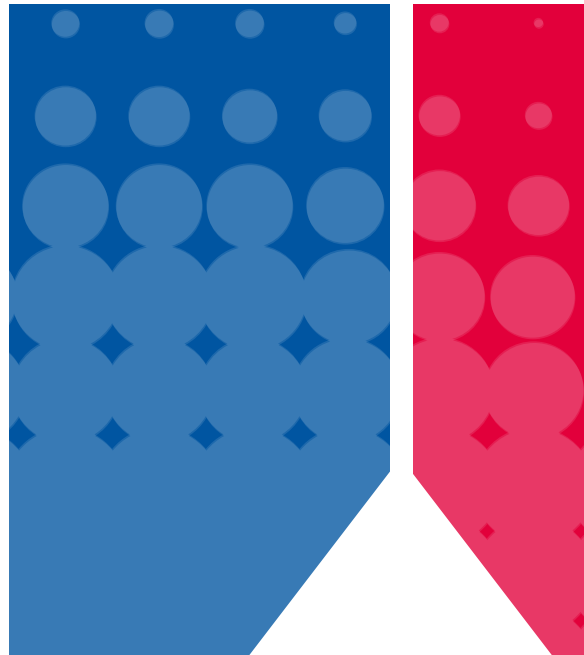
The VHF Group AS is an international holding company with head office in Oslo, Norway. The companies that form the VHF Group have been active since the late 1960s. The VHF Group was founded in 1980.

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 millions 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.

SS-EN ISO 9001
SS-EN ISO 14001