



IP501H

IP ADVANCED RADIO SYSTEM

LTE Transceiver

LTE (4G) and 3G



- Push-to-Talk Instant Communications
- Communication throughout the Coverage Area of LTE (4G) and 3G Network
- Talk and Listen Simultaneously: Full-Duplex Conversation

Instant Wide Area Coverage Over a LTE (4G) and 3G Network

The IP501H provides wide area communication using a LTE (4G) and 3G network and instantaneous communication.

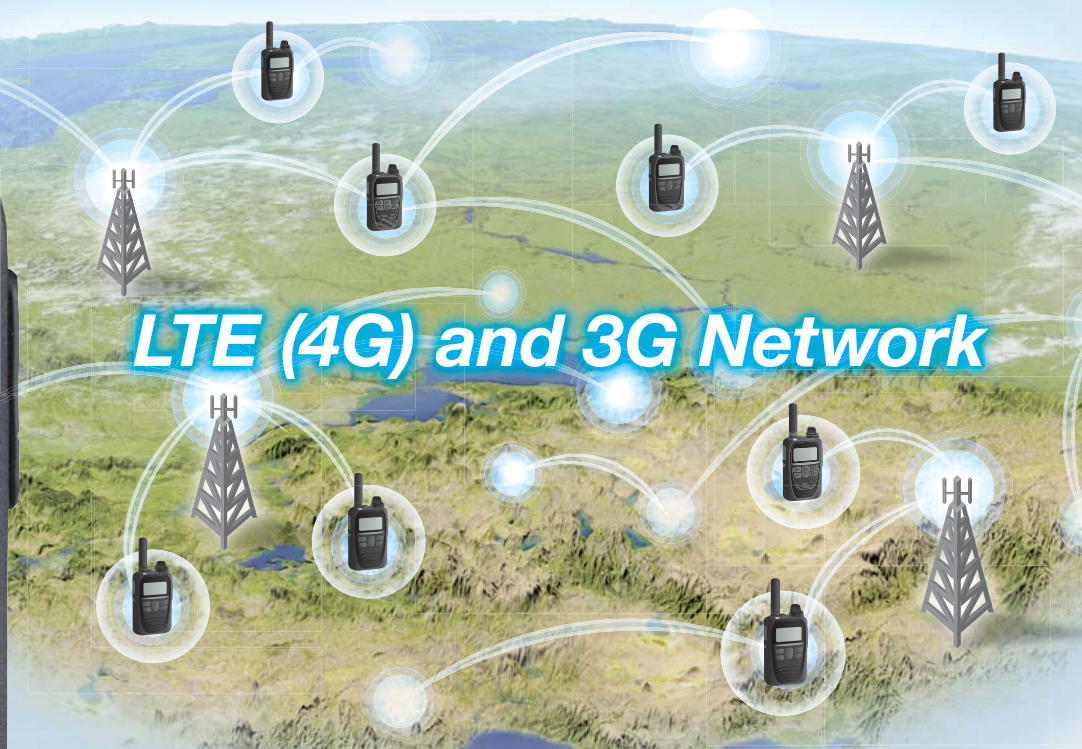
Individual calls, Group calls or All calls can be made the same way as a conventional two-way radio.



Actual Size

IP ADVANCED RADIO SYSTEM

IP501H



Communication throughout the Coverage of LTE (4G) and 3G Network

Using a LTE (4G) and 3G network, the IP501H can provide stable connection and wide area communication throughout the coverage of the network. The IP501H does not require its own repeaters or IP network which reduces the cost of building and maintaining a wide area radio network.

* Service availability depends on the country. Network coverage provided by custom ICOM SIM card.



Railroads



Security



Event Management

Full-Duplex Communication

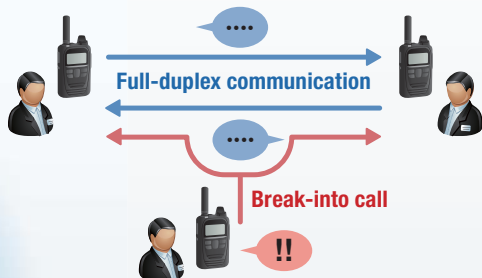
The IP501H enables use of full-duplex communication which provides smooth telephone style conversations. The IP501H users can talk and receive at the same time.

Multiple User Communication

Multiple users in the system can initiate calls respectively. There are no requirements to check or wait for channel availability.

Priority Interrupt Calling

The IP501H supports group calls with three or more people. In case of an emergency, you can break into an on-going call to transmit an important message.



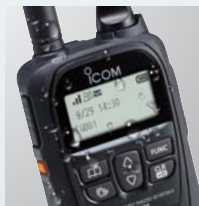
Industry Leading Compact and Lightweight Body

Compact 59 × 95 × 32 mm; 2.3 × 3.7 × 1.3 in and 240 g; 8.5 oz (approximate) lightweight body* allows non-intrusive mobility and use.

* With BP-272 battery pack and antenna. Projections are not included.

IP67 Dust-Tight and Waterproof

The IP501H has reputable waterproof performance to endure 1 m depth water for 30 minutes. It can be used for outdoor work or places prone to get wet.



Optional Charger Cradle With Bluetooth® Function

When the optional BC-218, charger cradle and HM-215, speaker-microphone is used, calls can be made with the microphone, while charging the IP501H. Even when the IP501H is not dropped into the BC-218, the Bluetooth® function enables you to wirelessly use the speaker-microphone.



* May not be available in some countries. Please confirm the regulations in your country before you use.

Other Features

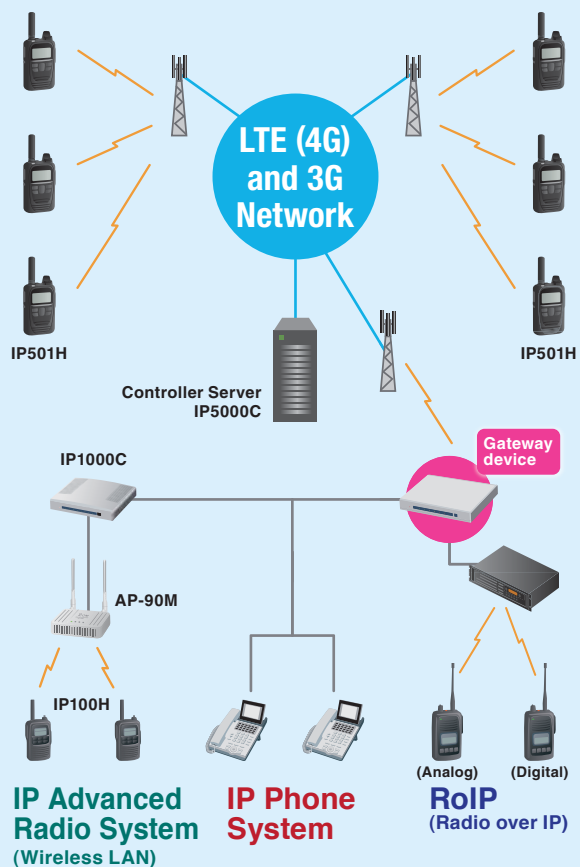
- High quality, clear audio using G.726 Vocoder
- Individual, Group, Talkgroup, Multiplex Talkgroup and All calls
- Emergency button, Lone Worker and Man Down functions
- Vibration alert function notifies of incoming call
- Text message reception and preprogrammed message transmission
- Up to 500 memory address book (including Group, Individual, Talkgroup and Telephone lists)
- Voice message recording
- Built-in Bluetooth® and GPS*

* Gateway device required for GPS data (future).

Interconnect between IDAS™ and IP100H systems

With a gateway device*, the IP501H system will provide interoperability with an IP phone, analogue transceiver, IDAS™ digital transceiver and IP100H wireless LAN network systems in the future. In addition, GPS position data can be obtained from the IP501H transceiver.

* The gateway device will be available in the future.



Road Maintenance

Hospitality

Transportation

OPTIONS

BATTERY PACKS



BP-271
Rechargeable Li-ion
1150/1200 mAh
(min./typ.)
IP67 waterproof



BP-272
Rechargeable Li-ion
1880/2000 mAh
(min./typ.)
IP67 waterproof

RAPID CHARGER



BC-202IP2



BC-123S*1

MULTI-CHARGER



BC-211



BC-157S

CIGARETTE LIGHTER CABLES
(for use with BC-218)



CP-22
With DC-DC converter
(12-24 V DC)



CP-23L
For 12 V DC

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

CHARGER CRADLE



BC-218
Charger cradle with
Bluetooth® function



BC-207S



HM-215
Speaker-microphone
for BC-218



MBA-7
Bracket Adaptor
for BC-218



MBF-1
Mounting Base

SPEAKER-MICROPHONES



HM-183LS
IPX7 waterproof



HM-186LS

EARPHONE-MICROPHONES



HM-153LS



HM-166LS

HEADSETS



HS-102*2
Earphone type



HS-94*3
Earhook type



HS-95*3
Behind-the-head type



HS-97*3
Throat-microphone type



VS-3
Bluetooth® headset

CARRYING CASES



LC-183*4
For use
with BP-271



LC-185*4
For use
with BP-272

- **MB-135:**
Belt clip. Same as supplied.
- **OPC-2006LS:**
Plug adapter cable.
- **OPC-2328:**
PTT switch cable.
Either OPC-2006LS or OPC-2328 is required
when using any of HS-94, HS-95 or HS-97.
- **OPC-2359:**
PTT switch cable.
OPC-2359 is required when using HS-102.

*2 OPC-2359 is required when using HS-102.

*3 Either OPC-2006LS or OPC-2328 is required when using any of these headsets. (Simplex mode operation only.)

*4 Charging is possible while the case is attached.

SPECIFICATIONS

Network	4G bands:	LTE B1, B3, B7, B8, B20 (EXP) LTE B2, B4, B5, B17 (USA)
	3G bands:	W-CDMA B1, B8 (EXP) W-CDMA B2, B5 (USA)
Dimensions (W x H x D; Projections not included)	59 x 95 x 32 mm; 2.3 x 3.7 x 1.3 in (with BP-272)	
Weight (approx.)	240 g; 8.5 oz (with BP-272 and antenna)	
Voice Codec	G.726 (32 kbps)	
AF output power	Internal SP	400 mW (16 Ω at 10% distortion)
	External SP	200 mW (8 Ω at 10% distortion)
Operating time* (5:5:90 duty cycle.)	More than 17 hours (with BP-272)	
Bluetooth	Ver 2.1 +EDR	
GPS	Built-in	
Operating temperature	-10 °C to +60 °C; +14 °F to +140 °F	
IP rating	IP67/55/54	

* Operating time may differ depending on operating environments.

All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications

MIL 810G Standard	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
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.

Supplied accessories

- BP-272 Li-ion battery pack
- MB-135 belt clip
- Hand strap
- Antenna

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Icom Inc.

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

www.icom.co.jp/world

Count on us!

Icom America Inc.

12421 Willows Road NE,
Kirkland, WA 98034, U.S.A.
Phone: +1 (425) 454-8155
Fax: +1 (425) 454-1509
E-mail: sales@icomamerica.com
URL: <http://www.icomamerica.com>

Icom Canada

Glenwood Centre #150-6165
Highway 17A, Delta, B.C.,
V4K 5B8, Canada
Phone: +1 (604) 952-4266
Fax: +1 (604) 952-0090
E-mail: info@icomcanada.com
URL: <http://www.icomcanada.com>

Icom Brazil

Rua Itororó, 444 Padre Eustáquio
Belo Horizonte MG,
CEP: 30720-450, Brazil
Phone: +55 (31) 3582 8847
Fax: +55 (31) 3582 8987
E-mail: sales@icombrasil.com

Icom (Europe) GmbH

Communication Equipment
Auf der Krautweide 24
65812 Bad Soden am Taunus, Germany
Phone: +49 (6196) 76685-0
Fax: +49 (6196) 76685-50
E-mail: info@icom-europe.com
URL: <http://www.icomeurope.com>

Icom Spain S.L.

Ctra. Rubi, No. 88 "Edificio Can Castanyer"
Bajos A 08174, Sant Cugat del Valles,
Barcelona, Spain
Phone: +34 (93) 590 26 70
Fax: +34 (93) 589 04 46
E-mail: icom@icomspain.com
URL: <http://www.icomspain.com>

Icom (UK) Ltd.

Blacksole House, Altira Park,
Horne Bay, Kent, CT6 6GZ, U.K.
Phone: +44 (0) 1227 741741
Fax: +44 (0) 1227 741742
E-mail: info@icomuk.co.uk
URL: <http://www.icomuk.co.uk>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejont des Moulinas, BP 45804,
31505 Toulouse Cedex 5, France
Phone: +33 (5) 61 36 03 03
Fax: +33 (5) 61 36 03 00
E-mail: icom@icom-france.com
URL: <http://www.icom-france.com>

Icom (Australia) Pty. Ltd.

Unit 1 / 103 Garden Road,
Clayton, VIC 3168 Australia
Phone: +61 (03) 9549 7500
Fax: +61 (03) 9549 7505
E-mail: sales@icom.net.au
URL: <http://www.icom.net.au>

Shanghai Icom Ltd.

No.101, Building 9, Caifuxingyuan Park,
No.188 Maoting Road, Chedun Town,
Songjiang District, Shanghai, 201611, China
Phone: +86 (021) 6153 2768
Fax: +86 (021) 5765 9987
E-mail: bjicom@bjicom.com
URL: <http://www.bjicom.com>

Your local distributor/dealer: