

SPECIFICATIONS

GENERAL

• Frequency coverage (Unit: MHz):

Version	Transmit	Receive
Europe-1	144-146, 430-440	(L): 118-549.995*1 (R): 118-173.995, 375-549.995, 810-999.990*1
Europe-2	144-146, 430-440	(L): 144-146, 430-440 (R): 144-146, 430-440

(L) means left side receiver, (R) means right side receiver.
*1 Tx/Rx guaranteed range, 144-146, 430-440MHz only.

- Mode : FM, AM (Receive only), DV (With UT-123)
- Number of channels : 522 (Including 2 call and 20 scan edges)
- Antenna connector : SO-239 (50Ω) × 2 (Tx/Rx and Diversity)
- Power supply : 13.8V DC ±15%
- Usable Temp. range : -10°C to +60°C
- Frequency stability : ±2.5ppm
(-10°C to +60°C on the basis of 25°C)
- Tuning steps : 5, 6.25, 10, 12.5, 15, 20, 25, 30, 50kHz
- Current drain (at 13.8V DC, approx.) :
 - Tx At high (50W) 13A
 - Rx Standby 1.2A
 - Max. audio 1.8A
- Dimensions (projections not included; W×H×D) :
 - Main Unit 150×40×187.7mm
 - Controller 150×58×31.5mm
- Weight (approx.) :
 - Main Unit 1.5kg
 - Controller 210g (with OPC-1712)

TRANSMITTER

- Output power : 50W, 15W approx., 5W approx.
- Max. frequency deviation : ±5.0/2.5kHz (Wide/narrow)
- Spurious emissions : Less than -60dB
- Microphone impedance : 600Ω (8-pin modular jack)

RECEIVER

- Intermediate frequency :
 - Left side receiver 38.85MHz/450kHz (1st/2nd)
 - Right side receiver 46.35MHz/450kHz (1st/2nd)
- Sensitivity (Ham bands only) :
 - FM Less than 0.18μV (at 12dB SINAD)
 - DV (with UT-123) Less than 0.35μV (at BER 1%)
- Squelch sensitivity : Less than 0.13μV (at threshold)
- Selectivity :
 - FM (Wide/narrow) More than 10/6kHz at 6dB
Less than 30/20kHz at 60dB
 - DV (With UT-123) More than 50dB
- Spurious and image rejection :
 - Left side receiver More than 60/55dB (VHF/UHF)
 - Right side receiver More than 60/60dB (VHF/UHF)
- Audio output (at 13.8V DC) : More than 2.4W
at 10% distortion with an 8Ω load
- Ext. speaker connector : 2-conductor 3.5 (d) mm (1/8")/8Ω

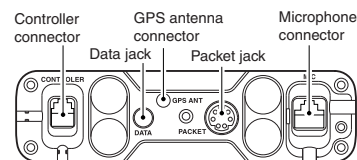
- Receiver sensitivity (Less than; not guaranteed, for your reference only):

FM (12dB SINAD)			
118-159.995MHz	0.32μV	160-179.995MHz	0.56μV
180-219.995MHz	5.6μV	220-224.995MHz	0.56μV
225-349.995MHz	5.6μV	350-359.995MHz	0.56μV
360-374.995MHz	5.6μV	375-399.995MHz	0.56μV
400-499.995MHz*	0.32μV	500-549.995MHz	0.56μV
810-879.990MHz	0.79μV	880-999.990MHz	1.8μV

(* Except ham bands)

AM (10dB S/N)			
118-159.995MHz	1.0μV	220-224.995MHz	1.8μV
225-349.995MHz	18μV	350-359.995MHz	1.8μV
360-374.995MHz	18μV	375-399.995MHz	1.8μV

Main unit front panel view



Supplied accessories:

- Hand microphone, HM-133
- DC power cable, OPC-1132
- Controller cable, OPC-1712 (10 cm)
- Separation cable, OPC-1663 (3.4 m)
- Mounting bracket kit
- Microphone connector plate
- Remote controller bracket
- Microphone hanger
- Spare fuse

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

OPTIONS

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



• **HM-133 REMOTE CONTROL MICROPHONE**
Same as supplied.



• **HM-154 HAND MICROPHONE**
Regular hand microphone.



• **OPC-440, OPC-647 MIC EXTENSION CABLES**
OPC-440: 5.0m
OPC-647: 2.5m



• **OPC-589 MIC ADAPTER CABLE**
Allows you to connect an 8-pin microphone.



• **UT-123 DIGITAL/GPS UNIT**
Provides D-STAR DV mode and GPS capabilities.



• **OPC-1529R DATA COMMUNICATION CABLE**
Allows you data communication in DV mode and PC cloning with CS-2820.



• **SP-10 EXTERNAL SPEAKER**



• **OPC-441 SPEAKER EXTENSION CABLE**
5.0m



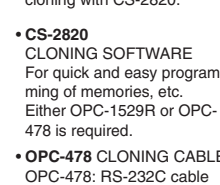
• **OPC-1132, OPC-347 DC POWER CABLES**
OPC-1132: 3.0m
OPC-347: 7.0m



• **MB-120 MOUNT BASE**
Mounts the remote control head. Angle and direction is adjustable.



• **OPC-1663, OPC-1712 SEPARATION CABLES**
OPC-1663: 3.4m
OPC-1712: 10cm
Same as supplied.



• **CS-2820 CLONING SOFTWARE**
For quick and easy programming of memories, etc. Either OPC-1529R or OPC-478 is required.

• **OPC-478 CLONING CABLE**
OPC-478: RS-232C cable

• **OPC-474 CLONING CABLE**
Data cloning cable between transceivers.

Icom, Icom Inc. and the Icom logo are registered trademarks of Icom Incorporated (Japan) in the United States, the United Kingdom, Germany, France, Spain, Russia, Japan and/or other countries. All trademarks are the properties of their respective holders.

Icom Inc. 1-1-32, Kami-minami, 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.

2380 116th Avenue NE,
Bellevue, WA 98004, U.S.A.
Phone : +1 (425) 454-8155
Fax : +1 (425) 454-1509
E-mail : sales@icomamerica.com
URL : <http://www.icomamerica.com>

Icom New Zealand

146A Harris Road, East Tamaki,
Auckland, New Zealand
Phone : +64 (09) 274 4062
Fax : +64 (09) 274 4708
E-mail : inquiries@icom.co.nz
URL : <http://www.icom.co.nz>

Icom (UK) Ltd.

Blacksale House, Altira Park,
Herne Bay, Kent, CT6 6GZ, U.K.
Phone : +44 (01227) 741741
Fax : +44 (01227) 741742
E-mail : info@icomuk.co.uk
URL : <http://www.icomuk.co.uk>

Asia Icom Inc.

6F No. 68, Sec. 1 Cheng-Teh Road,
Taipei, Taiwan, R.O.C.
Phone : +886 (02) 2559 1899
Fax : +886 (02) 2559 1874
E-mail : sales@asia-icom.com
URL : <http://www.asia-icom.com>

Your local distributor/dealer:

Icom Canada

Greenwood Centre #150-6165 Highway 17,
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 (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.icom-europe.com>

Icom France s.a.s.

Zac de la Plaine,
1 Rue Brindejonc des Moulinais, 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>

Beijing Icom Ltd.

10C07, Long Silver Mansion, No.88,
Yong Ding Road, Haidian District,
Beijing, 100039, China
Phone : +86 (010) 5889 5391/5392/5393
Fax : +86 (010) 5889 5395
E-mail : bjicom@bjicom.com
URL : <http://www.bjicom.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>

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 Polska

81-850 Sopot, ul. 3 Maja 54, Poland
Phone : +48 (58) 550 7135
Fax : +48 (58) 551 0484
E-mail : icompolksa@icompolksa.com.pl
URL : <http://www.icompolksa.com.pl>