

25

ICOM

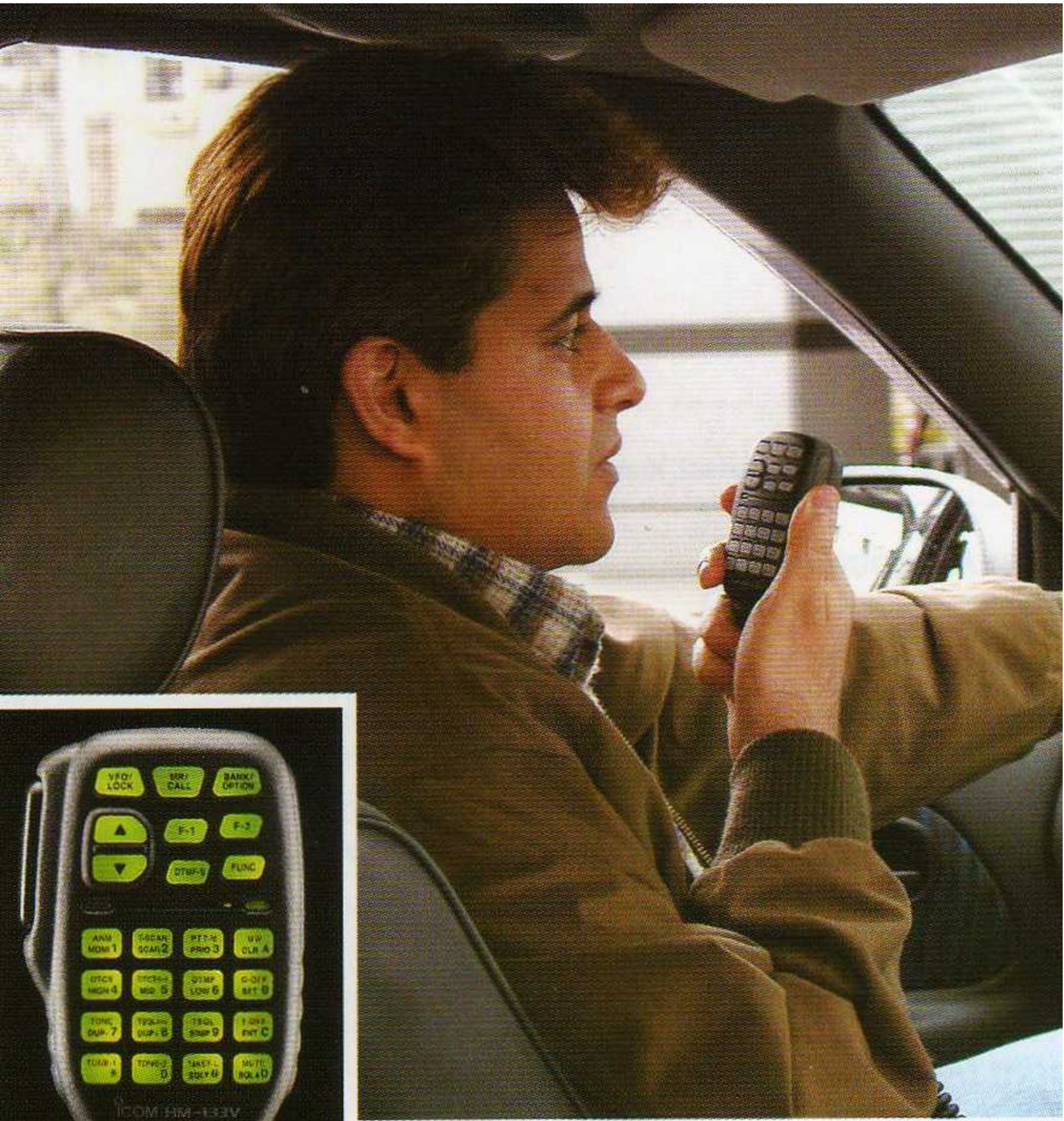
144MHz FM TRANSCEIVER

# IC-V8000

LM version



SELECTABLE GREEN OR  
AMBER DISPLAY



HM-133V

Icom Inc

## SPECIFICATIONS

## GENERAL

## • Frequency range (Unit: MHz)

Version	Guaranteed range	Rx working range
CSA	144-148	136-174

- Mode : FM (F3E, F2D)
- No. of memory channels : 207 (including 6 scan edges, and 1 call channel)
- Operating temperature range:
  - 10°C to +60°C; +14°F to +140°F
- Frequency stability : ±10ppm (-10°C to +60°C)
- Power supply requirements: 13.8V DC ±15%
- Current drain (at 13.8V)
  - Tx High (at 75W) : 15A
  - Rx Max. audio : 1.0A
  - Standby : 0.3A typical (Fan-OFF)
- Antenna connector : SO-239 (50Ω)
- Dimensions (W×H×D) : 150×50×150mm ;  
(proj. not included) 5<sup>29/32</sup>×1<sup>31/32</sup>×5<sup>29/32</sup>in
- Weight (approximate) : 1.09kg; 2.2lb

## TRANSMITTER

- Output power : 75, 25, 10, 5 W selectable
- Max. frequency deviation: ±5.0 kHz
- Spurious emissions : Less than -60dB
- Microphone connector : 8-pin modular (600Ω)

## RECEIVER

- Receive system : Double-conversion superheterodyne
- Intermediate frequencies: 1st 21.7MHz  
2nd 450kHz
- Sensitivity (at 12 dB SINAD) : 0.15μV typical
- Squelch sensitivity : 0.08μV typical (threshold)
- Selectivity : More than 6kHz at -6dB  
Less than 14kHz at -60dB
- Spurious & image rejection: 75dB typical
- Intermodulation rejection: 75dB typical
- Audio output power : More than 2.0W at 10%  
(at 13.8 V DC) distortion with an 8 Ω load
- External speaker connector: 3-conductor 3.5 (d) mm (1/8") 8Ω

## Applicable U.S. Military Specifications

Icom makes rugged products that meet MIL-STD requirements and strict environmental standards as follows.

Standard	MIL 810 C		MIL 810 D		MIL 810 E		MIL 810 F	
	Method	Proc.	Method	Proc.	Method	Proc.	Method	Proc.
Low Pressure	500.1	I	500.2	I, II	500.3	I, II	500.4	I, II
High Temp.	501.1	I	501.2	I, II	501.3	I, II	501.4	I, II
Low Temp.	502.1	I	502.2	I, II	502.3	I, II	502.4-3	I, II
Temp. Shock	503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation	505.1	I	505.2	I	505.3	I	505.4	I
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, II
Humidity	507.1	I, II	507.2	II, III	507.3	II, III	507.4	-
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-
Dust	510.1	I	510.2	I	510.3	I	510.4	I
Vibration	514.2	VIII, X	514.3	I	514.4	I	514.5	I
Shock	516.2	I, II, V	516.3	I, IV	516.4	I, IV	516.5	I, IV

## Supplied accessories

- Hand microphone, HM-133V
- Spare fuse
- Mobile mounting bracket kit
- DC power cable

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

## OPTIONS

## ■ HAND MICROPHONES

- **HM-133V**  
Remote control microphone with keypad backlighting.
- **HM-118N**  
Regular hand microphone.
- **HM-118TN/TAN**  
DTMF microphones with keypad backlighting.

## ■ OTHER ACCESSORIES

- **SP-10** EXTERNAL SPEAKER
- **OPC-440/OPC-647** MIC EXTENSION CABLES  
OPC-440: 5m (16.4ft); OPC-647: 2.5m (8.2ft)
- **OPC-441** SPEAKER EXTENSION CABLE  
5.0m (16.4ft)
- **OPC-1132/OPC-347** DC POWER CABLES  
OPC-1132: 3m (9.8ft); OPC-347: 7m (22.9ft)
- **OPC-589** MIC ADAPTER CABLE  
Allows you to connect a regular 8-pin microphone.

- **UT-108** DTMF DECODER UNIT
- **UT-109** VOICE SCRAMBLER UNIT (Version 01)
- **UT-110** VOICE SCRAMBLER UNIT (Version 01)  
The scrambler systems of the UT-109 and UT-110 are not compatible with each other.
- **CS-V8000** CLONING SOFTWARE  
+ **OPC-478** CLONING CABLE  
For quick and easy programming of memories, etc.
- **OPC-474** CLONING CABLE (between transceivers)



Icom Inc. 1-1-32, Kamiminami, Hirano-ku, Osaka 547-0003, Japan Phone: +81 (06) 6793 5302 Fax: +81 (06) 6793 0013 URL: <http://www.icom.co.jp/world/index.html>

Count on us!

## Icom America Inc.

2380 116th Avenue N.E., Bellevue,  
WA 98004, U.S.A.  
Phone : +1 (425) 454-8155  
Fax : +1 (425) 454-1509  
E-mail : [sales@icomamerica.com](mailto:sales@icomamerica.com)  
URL : <http://www.icomamerica.com>  
<Customer Service> Phone : +1 (425) 454-7619

## Icom Canada

Glenwood 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](mailto:info@icomcanada.com)  
URL : <http://www.icomcanada.com>

## Icom (Australia) Pty. Ltd.

A.B.N. 88 006 092 575  
290-294 Albert Street, Brunswick,  
Victoria, 3056, Australia  
Phone : +61 (03) 9387 0666  
Fax : +61 (03) 9387 0022  
E-mail : [sales@icom.net.au](mailto:sales@icom.net.au)  
URL : <http://www.icom.net.au>

## 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](mailto:inquiries@icom.co.nz)  
URL : <http://www.icom.co.nz>

## Icom (Europe) GmbH

Communication Equipment  
Himmelgeister Str. 100,  
D-40225 Düsseldorf, Germany  
Phone : +49 (0211) 346047  
Fax : +49 (0211) 333639  
E-mail : [info@icom-europe.com](mailto:info@icom-europe.com)  
URL : <http://www.icomeurope.com>

## Icom Spain S.L.

Crta. de Gracia a Manresa Km. 14,750  
08190 Sant Cugat del Valles Barcelona, Spain  
Phone : +34 (93) 590 26 70  
Fax : +34 (93) 589 04 46  
E-mail : [icom@icomspain.com](mailto:icom@icomspain.com)  
URL : <http://www.icomspain.com>

## Icom (UK) Ltd.

Unit 9, Sea St., Herne Bay,  
Kent, CT6 8LD, U.K.  
Phone : +44 (01227) 741741  
Fax : +44 (01227) 741742  
E-mail : [info@icomuk.co.uk](mailto:info@icomuk.co.uk)  
URL : <http://www.icomuk.co.uk>

## Icom France S.a

Zac de la Plaine, 1,  
Rue Brindejonc des Moulinais BP 5804,  
31505 Toulouse Cedex, France  
Phone : +33 (5) 61 36 03 03  
Fax : +33 (5) 61 36 03 00  
E-mail : [icom@icom-france.com](mailto:icom@icom-france.com)  
URL : <http://www.icom-france.com>

## Icom Polska

Sopot, 3 maja 54, Poland  
Phone : +48 (58) 550 7135  
Fax : +48 (58) 551 0484  
E-mail : [icompoliska@icompoliska.com.pl](mailto:icompoliska@icompoliska.com.pl)  
URL : <http://www.icompoliska.com.pl>

## 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](mailto:sales@asia-icom.com)  
URL : <http://www.asia-icom.com>

## Beijing Icom Ltd.

1305, Wanshang Plaza, Shijingshan Road,  
Beijing, China  
Phone : +86 (010) 6866 6337  
Fax : +86 (010) 6866 3553  
E-mail : [bjicom@bjicom.com](mailto:bjicom@bjicom.com)  
URL : <http://www.bjicom.com>



Icom Inc. (Japan), is an ISO 9001 and ISO 14001 certification acquired company.

Your local distributor/dealer: