

**SPECIFICATIONS**

GENERAL	
Frequency range	Tx 156.025–161.600 MHz Rx 156.050–163.275 MHz CH70 156.525 MHz AIS1, 2 161.975, 162.025 MHz
Usable channels	USA, CAN, INT, WX channels
Type of emission	16K0G3E (FM), 16K0G2B (DSC)
Power supply requirement	13.8 V DC (11.7–15.9 V DC)
Current drain	Tx 25 W output 6.0 A Rx Max. audio 8.0 A
Operating temperature range	–20°C to +60°C; –4°F to +140°F
Antenna impedance	50 Ω (SO-239)
Weight (approximately)	1.5 kg; 3.3 lb
TRANSMITTER	
Output power (at 13.8 V DC)	25 W, 1 W
Max. frequency deviation	±5 kHz
Frequency tolerance	±5 ppm
Spurious emissions	Less than –70 dBc (at 25 W)
Residual modulation	More than 40 dB
Adjacent channel power	More than 70 dB
RECEIVER	
Intermediate frequency	30.15 MHz, 450 kHz (1st/2nd) CH70 21.70 MHz, 450 kHz (1st/2nd)
Sensitivity (at 12 dB SINAD)	0.22 μV typical CH70 (1% BER) 0.71 μV emf typical
Adjacent channel selectivity	More than 80 dB CH70 (1% BER) More than 80 dBμ emf
Spurious response	More than 77 dB CH70 (1% BER) More than 73 dBμ emf
Intermodulation	More than 80 dB CH70 (1% BER) More than 73 dBμ emf
Hum and noise	More than 40 dB
Audio output power	More than 15 W with a 4 Ω external speaker (at 10% distortion)

Measurements made in accordance with TIA/EIA 603 and IEC 62238. All stated specifications are subject to change without notice or obligation.

**Applicable U.S. Military Specifications**

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	506.5	I, III
Humidity	507.5	II
Salt Fog	509.5	–
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.

**Applicable IP Rating**

Ingress Protection Standard	Water
	IPX8 (1 m depth water for 60 minutes)

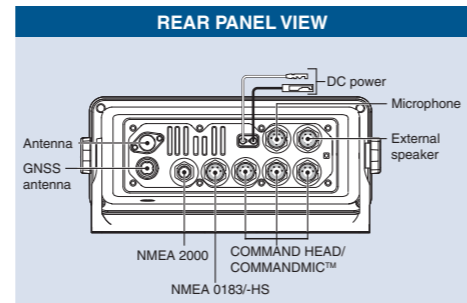
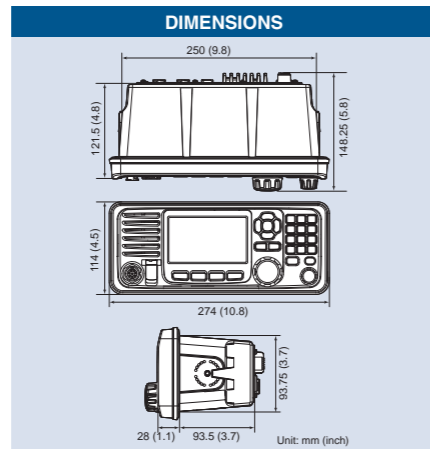
**Supplied accessories:**

- Speaker microphone, HM-205RB • GNSS antenna, UX-241
- Microphone hanger • DC power cable • Mounting bracket kit
- Conversion cable, OPC-2384\* \* Not supplied depending on version.

**OPTIONS**

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

<p><b>COMMANDMIC™</b></p> <p>HM-195GB (Black) HM-195GW (White)</p>	<p><b>Supplied accessories</b></p> <ul style="list-style-type: none"> <li>• OPC-1540, 6.1 m (20 ft) cable</li> <li>• Microphone hanger</li> <li>• Mounting base for connector</li> </ul> <p>* Amber backlit COMMANDMIC, HM-195B/SW are also available.</p>	<p><b>CONVERSION CABLE</b></p> <p>OPC-2384 12-pin to 8-pin. Required for COMMANDMIC™.</p>	<p><b>EXTENSION CABLE</b></p> <p>OPC-1541 6.1 m (20 ft). Up to two cables available.</p>									
<p><b>COMMAND HEAD™</b></p> <p>RC-M600 IPX8 submersible (1 m depth of water for 60 min.).</p>	<p><b>Supplied accessories</b></p> <ul style="list-style-type: none"> <li>• OPC-2383, 10 m (32.8 ft) cable</li> <li>• Speaker microphone, HM-205RB</li> <li>• DC power cable</li> <li>• MIC hanger</li> <li>• Mobile bracket kit</li> </ul>	<p><b>EXTENSION CABLE</b></p> <p>OPC-2377 10 m (32.8 ft). Up to four cables available.</p>										
<p><b>HORN SPEAKER</b></p> <p>SP-37</p>	<p><b>VOICE SCRAMBLER UNIT</b></p> <p>UT-112</p>	<p><b>FLUSH MOUNT KITS</b></p> <p>MB-75 MB-132</p>	<p><b>AIS RECEIVER UNIT</b></p> <p>UX-251 Already installed, depending on version.</p>	<p><b>GNSS ANTENNA</b></p> <p>UX-241 Same as supplied.</p>								
<p><b>SPEAKER-MICROPHONE</b></p> <p>HM-205RB Same as supplied.</p>	<p><b>CLASS B AIS TRANSPONDER</b></p> <p>MA-500TR For transmitting own vessel AIS information.</p>	<p><b>CABLES for COMMAND HEAD/COMMANDMIC™</b></p> <table border="1"> <thead> <tr> <th></th> <th>For connection</th> <th>For extension</th> </tr> </thead> <tbody> <tr> <td>RC-M600</td> <td>OPC-2383</td> <td>OPC-2377* (up to four cables)</td> </tr> <tr> <td>HM-195 series</td> <td>OPC-2384*, OPC-1540</td> <td>OPC-1541* (up to two cables)</td> </tr> </tbody> </table> <p>* Options. OPC-2384 is supplied depending on version.</p>			For connection	For extension	RC-M600	OPC-2383	OPC-2377* (up to four cables)	HM-195 series	OPC-2384*, OPC-1540	OPC-1541* (up to two cables)
	For connection	For extension										
RC-M600	OPC-2383	OPC-2377* (up to four cables)										
HM-195 series	OPC-2384*, OPC-1540	OPC-1541* (up to two cables)										



**CONFIGURATION VARIATIONS**

	AIS Receiver
IC-M605 AIS	Integrated AIS receiver
IC-M605	Not included (Optional UX-251 is required)

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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](http://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](mailto:sales@icomamerica.com)  
URL: <http://www.icomamerica.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@icomeurope.com](mailto:info@icomeurope.com)  
URL: <http://www.icomeurope.com>

**Icom France s.a.s.**

Zac de la Plaine,  
1 Rue Brindejone 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](mailto:icom@icom-france.com)  
URL: <http://www.icom-france.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](mailto:info@icomcanada.com)  
URL: <http://www.icomcanada.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](mailto:icom@icomspain.com)  
URL: <http://www.icomspain.com>

**Icom (Australia) Pty. Ltd.**

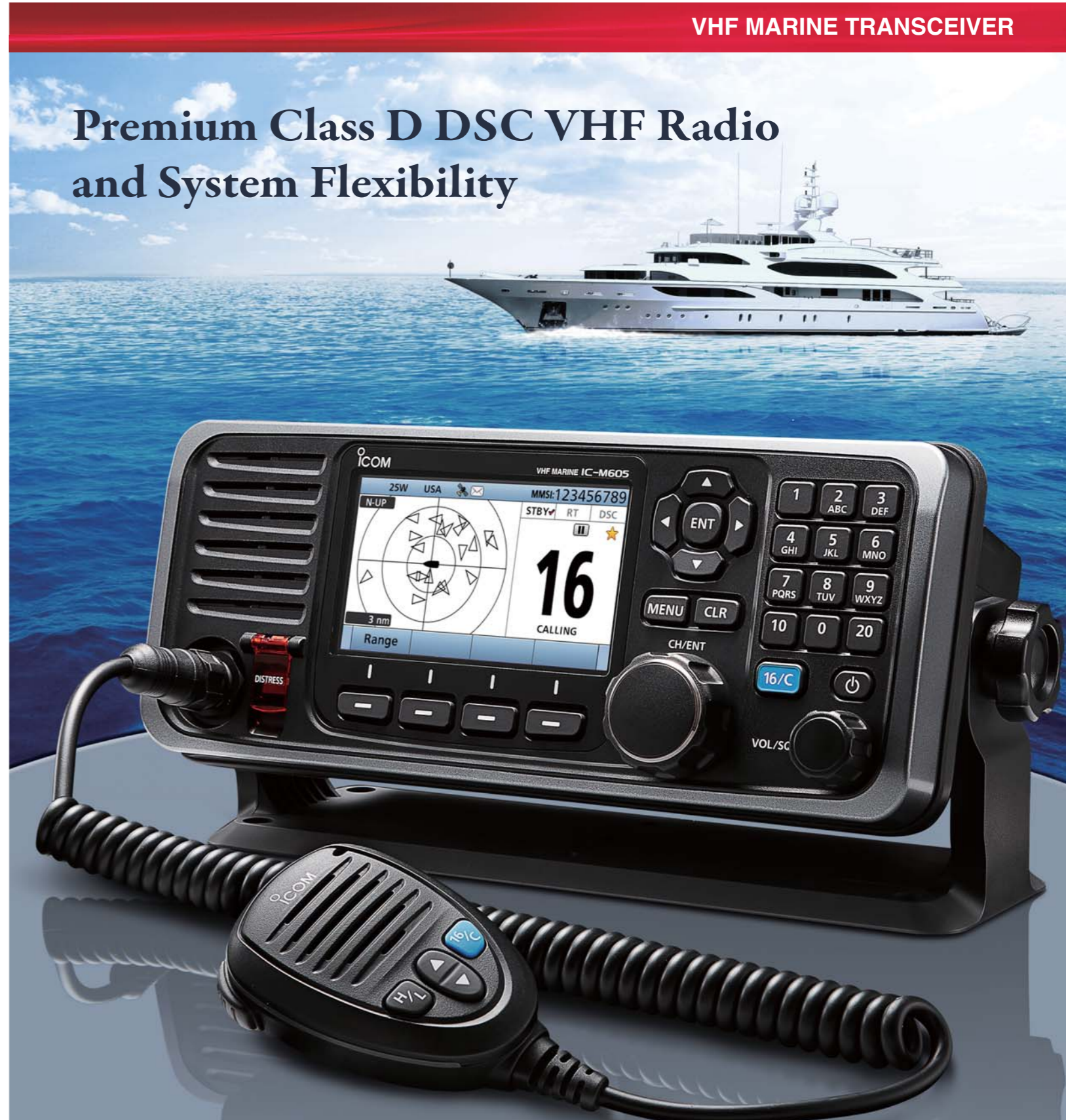
Unit 1 / 103 Garden Road,  
Clayton, VIC 3168 Australia  
Phone: +61 (03) 9549 7500  
Fax: +61 (03) 9549 7505  
E-mail: [sales@icom.net.au](mailto:sales@icom.net.au)  
URL: <http://www.icom.net.au>

**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@icombrazil.com](mailto:sales@icombrazil.com)

**Icom (UK) Ltd.**

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



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