

SPECIFICATIONS

GENERAL		
Frequency range	Tx* Rx* CH70 AIS1, 2	156.025–161.425 MHz 156.025–162.000 MHz 156.525 MHz 161.975, 162.025 MHz * Each frequency range is differ according to versions.
Usable channels		INT, USA* channels * Available depending on version
Type of emission		16K0G3E (FM), 16K0G2B (DSC)
Power supply requirement		13.8 V DC (10.8–15.6 V DC)
Current drain (at 13.8 V DC)		
Tx 25 W output		6.0 A
Rx Max. audio		8.0 A
Operating temperature range		-20°C to +60°C
Antenna impedance		50 Ω (50-239)
Weight (approximately)		1510 g; 3.3 lb
TRANSMITTER		
Output power (at 13.8 V DC)		25 W, 1 W
Max. frequency deviation		±5.0 kHz
Frequency stability		Less than ±0.5 kHz
Spurious emissions		Less than 0.25 μW
Residual modulation		More than 40 dB
Adjacent channel power		More than 70 dB
RECEIVER		
Intermediate frequency	CH70	30.15 MHz, 450 kHz (1st/2nd) 21.70 MHz, 450 kHz (1st/2nd)
Sensitivity	CH70	-5 dBμ emf typ. (20 dB SINAD) -3 dBμ emf typ. (1% BER)
Adjacent channel selectivity	CH70 (1% BER)	More than 75 dB More than 80 dBμ emf
Spurious response	CH70 (1% BER)	More than 75 dB More than 73 dBμ emf
Intermodulation	CH70 (1% BER)	More than 75 dB More than 73 dBμ emf
Hum and noise		More than 40 dB
Audio output power (at 10% distortion)		More than 15 W with a 4 Ω external speaker

Measurements made in accordance with EN301 025-2, -3. All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications

Standard	MIL 810 G	
	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
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

OPTIONS

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

COMMANDMIC™



HM-229B (Black)* HM-229W (White)*

Supplied accessories

- OPC-1540. 6.1 m (20 ft) cable
- Microphone hanger
- Mounting base for connector
- * Optional OPC-2384 is required.

CONVERSION CABLE



OPC-2384
12-pin to 8-pin. Required for COMMANDMIC.

EXTENSION CABLE



OPC-1541
6.1 m (20 ft).
Up to two cables available.

COMMAND HEAD



RC-M600
IPX8 advanced waterproof
(1 m depth of water for 60 min.)

Supplied accessories

- OPC-2383, 10 m (32.8 ft) cable
- Speaker microphone, HM-205RB
- DC power cable
- MIC hanger • Mobile bracket kit

EXTENSION CABLE



OPC-2377
10 m (32.8 ft).
Up to four cables available.

HORN SPEAKER



SP-37

VOICE SCRAMBLER UNIT



UT-112

FLUSH MOUNT KIT



MB-75

SPEAKER-MICROPHONE



HM-205RB
Same as supplied.

GNSS ANTENNA



UX-241
Same as supplied.

CLASS B AIS TRANSPONDER



MA-500TR
For transmitting own vessel AIS information.

CABLES for COMMAND HEAD/COMMANDMIC™

	For connection	For extension
RC-M600	OPC-2383	OPC-2377* (up to four cables available)
HM-229B/W	OPC-2384*, OPC-1540	OPC-1541* (up to two cables available)

* Options.

