

VHF RADIO

Ray218 VHF Radio

- Class D DSC (Digital Selective Calling) Transceiver
- Built-in Hailer with 30 watt output
- GPS position, SOG and COG displays
- Optional Raymic remote serves as full function second station and intercom

Optional Raymic ▶

New



Ray218 ▶

RAY218

The Ray218 is Raymarine's premier fixed mount VHF radio. Delivering exceptional performance and style, the Ray218 includes a long list of standard features including Class D Digital Selective Calling, a built-in hailer and chartplotter position polling. Expand the Ray218 with the powerful Raymic remote handset. The optional Raymic handset enables full function radio control and intercom capability from a remote station on board.



FEATURES:

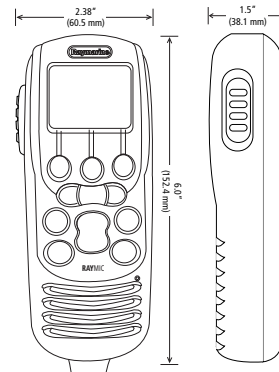
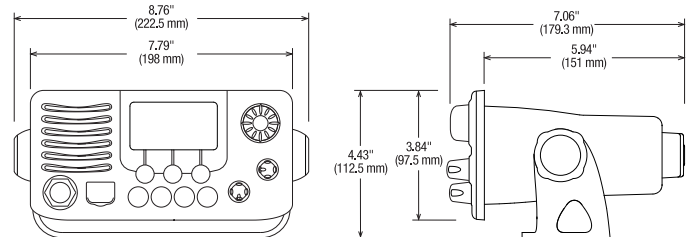
- Class D DSC (Digital Selective Calling) transceiver
- DSC Distress key transmits GPS position and a digital mayday
- NOAA Weather Alert
- Built-in 30 Watt Hailer with "Listen Back" capability and automatic fog horn
- NMEA 0183 input with GPS Position, COG and SOG display
- Chartplotter position polling using NMEA 0183 output
- Easy-to-use rotary controls for channel, volume, squelch and menu operation
- Extra large dot matrix LCD
- Speaker microphone with controls and remote mount option
- Dual Channel Display (2UP Mode) displays active channel and stand by channel simultaneously
- Programmable favorite channel soft keys (1UP Mode)
- Quick Access 16/9 Key
- 4 Scan Modes: All Scan, Saved (Memory) Scan, Priority All Scan and Priority Saved Scan
- Submersible (IPX7 Standard)
- Superior receiver with excellent intermodulation rejection
- Rugged housing with a low profile bezel using the optional flush mount kit (order # A46053)
- Optional Raymic remote station handset serves as full function second station
- Raymic enables full duplex intercom capabilities between Ray218 and Raymic at a remote station



SPECIFICATIONS

GENERAL	
Mounting	Bracket or flush mount
Power	12 VDC system (13.6 VDC, typical)
Environmental: Operating Range, Storage Range, Humidity	Waterproof to IPX7 -10°C to +50°C, -20°C to +70°C, up to 95%
Frequency Range:	Transmit: 156.050 to 157.425 MHz , Receive 156.050 to 163.275 MHz
Hailer Output Power:	30 watts @ 4 ohms
NMEA IN Sentences supported (NMEA 0183 ver 3.01):	GLL, GGA RMA RMC GNS GNSS
NMEA OUT Sentences (NMEA 0183 ver 3.01):	DSC, DSC data DSE, Extended DSC data
Warranty	3 Year limited warranty
TRANSMITTER	
RF Power (at 13.6 VDC): Hi Mode, Lo Mode	25 W, 1 W
Maximum Deviation	± 5 KHz
FM Hum and Noise Level	less than -40 dB below audio level
Adjacent Channel Power	more than 70 dB
Spurious/Harmonic Emissions	less than -70 dBc
Current Drain: Hi Power at 13.6V DC	less than 6 A
RECEIVER	
Sensitivity @ 12db SINAD	0.28 μ V, typical
Hum and Noise	less than -40 dB below audio level
Audio Distortion	less than 10%
Adjacent Channel Rejection	more than 80 dB, typical
Intermodulation Rejection Ratio	more than 80 dB, typical
Spurious Image Rejection	more than 80 dB, typical
Squelch Sensitivity	@ Tight - less than 1 μ V, @ Threshold - less than 0.28 μ V

DIMENSIONS



ORDERING INFORMATION

PART #	DESCRIPTION
E43032	Ray218 DSC VHF Radio
A46051	Raymic 2nd Station
A46055	RayMic Extension Cable, 5m
A46056	RayMic Extension Cable, 10m
A46053	Rear Flush mount kit
E46006	10Watt External Speaker
M95435	External Hailer Horn Speaker
A46060	Front Flush Mount Kit
A46054	Mic Relocation kit, 5m

Additional information, specifications and interactive product tours available online at www.raymarine.com



Product specifications subject to change without notice

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