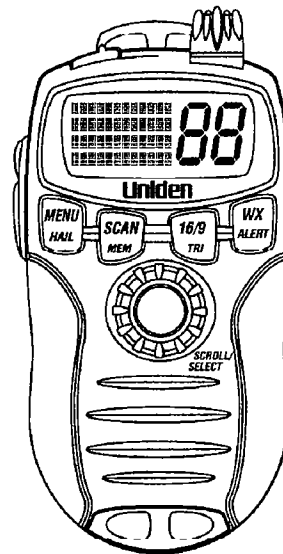


MARINE DSC MOBILE RADIO Product Definition



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UNIDEN AMERICA CORPORATION
PRODUCT PLANNING GROUP

1. Executive Summary

The Polaris will be the next generation in marine radio due to the current change in the law that states that any new marine radio must be DSC compatible. The Polaris will compete in market share with the Intrepid from Standard and other products that will be coming to market from other manufacturers in the near future.

2. Product Specifications

Channels	All US, International, and Canadian
Weather	All weather channels of NOAA, Weather Alert
Waterproof	JIS 7 (Fully Submersible)
Waterproof Microphone	JIS 7 (Fully Submersible)
900MHz Wireless Microphone	Optional, for the consumer to be purchased separately, NiCd and AA Alkaline. Full functionality from the wireless microphone.
Noise Canceling Microphone	Yes (Wired Mic. only)
Back lit	All Keys and LCD Screen, 3 levels of brightness. This will be changeable from the menu system. All illumination will be Green.
Hailer Capable	Yes, 2 Way (TX & RX), with the use of an optional re-entrant horn
Audio Output	5W – External 2W – Internal 10W – Hailer
DSC (Digital Selective Calling)	Yes
Programmable Scan	Yes
Triple Watch	Yes
High/Low Power	Yes, 1 Watt and 25 Watt
Memory Channel Review	Yes, from the menu system
High/Low Voltage Sensor	Yes, to be displayed on the LCD screen in each case
Hailer	Yes, control to be mounted in the both the corded microphone and the wireless microphone.
20 Name Individual Directory	Yes
LCD Contrast Adjustment	Yes, multi levels with a multi-key reset (4 Levels Minimum)
MMSI Programmable	Yes, This can only occur twice and will need to be sent in for service if done more than twice

Key Beep Volume Adjustment	Yes (On/Off)
Mounting Hardware	3 Points (same as Intrepid)
NMEA-0183	Yes, Used to connect an external GPS. This connection must remain JIS 7.
UV Marine White Plastic	Yes, unit case, corded microphone, wireless microphone and any other plastic used that is exposed to the elements.
Stainless Steel Screws & Connectors	Yes, for all exposed to the elements on the radio, corded microphone, wireless microphone and any other option

3. Keys and Controls

On/Off/Volume	Turns clockwise to turn on and to increase the volume.
Squelch Knob	Turn clockwise to increase the threshold.
Channel/Select/PA Volume	Knob has a click stop feel and will be used for selecting channels, moving the arrow in the menu and making selections by pressing in. In PA mode it will function as the PA volume as well as for the hailer if connected.
Weather/Alert Key	Pressing will scan and stop on the first active weather channel. In weather mode a press and hold will activate weather alert
16/9/Triple Watch Key	Used to access channel 16 and nine at the touch of a button. It will also access the triple watch mode.
Scan/Memory/ Key	The scan key will allow the channels that have been programmed into memory to be scanned. A press and hold of this key will place the currently displayed channel into the memory for future scanning.
Menu Key	This key will allow the user to access the software menu.
Distress Key	This key will be used to send out a distress call in DSC
Microphone (Corded)	JIS 7, UV Plastic, HAIL key-which will be used to activate the hailer mode. Coiled cord (12 in., stretching to apprx. 48 in.)
High/Low Function	Used from the software menu. Options are between 1 and 25 Watts of transmit power

Microphone (Wireless)	900MHz, JIS 7, will be able to control all functions of the radio remotely, UV plastic, stainless steel screws, Full LCD readout
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