



***poly-planar***<sup>®</sup>  
WATERPROOF MARINE AUDIO SYSTEMS

Setting the audio standard  
anywhere, any weather

[www.polyplanar.com](http://www.polyplanar.com)

PRODUCT CATALOG

2018





# marine audio STEREO

MRD87i

## MRD87i IPX6 Marine Radio

IPX6 marine grade digital media entertainment system with ultimate audio 4X45 sound.

### SPECS

- 4 channel X 45 watt power out
- 2 X 16 character digital display.
- Cutout: 7-1/8" X 2-1/8" X 7-5/16" deep clearance
- Face: 7-9/16" X 3-1/8"

### FEATURES

- SiriusXM-Ready™
- Made for iPhone® & iPod®
- Bluetooth
- USB music player & USB charger
- SD card reader
- AM/FM digital tuner
- NOAA weather band
- USB and 3.5mm aux input inside drawer/dock
- Front and rear RCA line out
- NMEA 2000® certified
- Wired remote control available (sold separately)
- Wireless IR remote available (sold separately)



**MRD87i AM/FM/MP3**  
SiriusXM Ready™

The MRD87i is a full-featured waterproof stereo receiver designed specifically for the marine environment.



MRD87i with optional gimbal mount bracket

MRD87i DMD dock

### ACCESSORIES



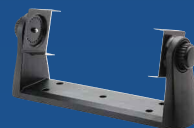
MR45R  
Wired Remote



MRR21  
Wireless Remote



ACX11  
USB/AUX Accessory  
Extension Cable



GM-MRD80  
Gimbal Mount



RM10  
Overhead Radio Mount

# marine RADIOS

GSMR30, GSMR20

Bluetooth



## GSMR30 Marine Radio

MP4/MP3/Photo Playback Gauge Series  
Marine Radio

### SPECS

- 4 channel
- 45W x 4 @ 4
- Full Range, Class A/B
- IPX5 Waterproof

### FEATURES

- Bluetooth Audio Streaming
- Easy Pairing with Auto Reconnect
- AUX-In
- USB-In for Music, Movie and Photo
- 18 Preset AM/FM Stations
- Compatible with Audio Output of Smartphones and MP3 players
- 1 Video Output, 1 Subwoofer Output, 1 Pre-Amp Output



## GSMR20 Marine Radio

Gauge Series Marine Radio

### SPECS

- 4 channel
- IPX5 Rating
- 180 Watts Max Power

### FEATURES

- Bluetooth Audio Streaming (Bluetooth 3.0)
- A2DP Audio Streaming
- AM/FM/Radio/Preset
- Pre-Amplifier Outputs
- USB/AUX Input
- Splash Proof LCD Display



# marine AMPLIFIERS

ME70BT, ME60BT, ME400D, ME60, ME52

Poly-Planar Marine Amplifiers are water-proof (IP65) units designed for harsh marine environments. These amplifiers can be used as stand alone units or as part of an expansion system.

Bluetooth



## ME70BT

Bluetooth IPX6 Marine Amplifier with Keypad Display

- Remote display keypad
- 4X45 audio power out
- 100 meter Bluetooth range
- iPhone®/Android® charging
- USB music player
- AUX input
- NMEA 2000® certified
- Multiple EQ preset options
- Backlit 3 line display with adjustable illumination

NEW!



## ME70BT BLUETOOTH AMP KIT

### BT-KIT5-W ME70BT Bluetooth Amplifier and MA8505W Speakers Kit

#### FEATURES

Poly-Planar's BT-KIT5-W provides the ability to have stereo sound on small watercraft such as Jet Skis, inflatables or tenders. The waterproof ME-70BT Amplifier can be mounted underneath a seat or inside the boat's structure. The Bluetooth™ enabled control head can be mounted on the dash or inside the stowage compartment - wirelessly controlling an iPhone MP3 player or other device. And with the included Poly-Planar MA-8505W 5" Waterproof Speakers, you'll have crisp, clear stereo sound on the go!

Also available with black Speaker (Part # BT-Kit5-B)

NEW!





## ME60BT

Bluetooth AMP with Waterproof Control Pad

### SPECS

- 4 channel X 30 watt power out
- Waterproof control pad with 20' of cable



## ME60BT BLUETOOTH AMP KIT

### BT-KIT4-W ME60BT Bluetooth Amplifier and MA4055W Speakers Kit

#### FEATURES

Poly-Planar's BT-KIT4-W includes the waterproof ME-60BT Amplifier and Poly-Planar's MA-4055 5" Waterproof Speakers. Also available with black speakers (Part # BT-Kit4-B)



## ME400D

Class D Power Amplifier

### SPECS

- 4 channel X 125 watt power out
- 2 ohm stable stereo outputs
- 500 watts

### FEATURES

- Bridgeable outputs
- Variable bass boost circuit
- Variable input level controls for each pair of channels
- Variable high-pass, low-pass and all-pass crossover.
- Thermal and overload protection circuitry
- Gold-plated RCA jacks and terminals



## ME60

Audio Amplifier

### SPECS

- 4 channel X 30 watt power out
- 30 watts per channel
- Powers up to (8) 4ohm speakers

### FEATURES

- Internal distortion limiting circuits
- Dedicated gain level control
- External volume control with ON/OFF switch included
- Water resistant design for marine use
- Rear channels switchable from full range to powered sub out.



## ME52

Expansion Amplifier

### SPECS

- 2 channel X 25 watt power out
- Powers up to (4) 4ohm speakers

### FEATURES

- Accepts line level or speaker level inputs
- Separate waterproof volume control (10 ft lead)

This unit is designed for adding additional speakers to an existing system or as a separate zone amp.



# marine MP3 KITS

MP3KIT-A, MP3KIT-4, MP3KIT-7

## COMBO KITS

Poly-Planar's MP3 Kits provide the ability to have stereo sound on small watercraft such as Jet Skis, inflatables or tenders. Also a perfect solution for off road vehicles, motorcycles, ATV's, golf carts - even motorcycles. Easily installed where space is a premium. The amplifier can be mounted underneath a seat or inside the boat's structure. The IC3.5 MP3 Adapter and Volume Control can be mounted on the dash or inside the stowage compartment. This provides a convenient input for portable MP3 or CD players. And with the included Poly-Planar Waterproof Speakers, you'll have crisp, clear stereo sound on the go!



Great for Jet Skis, ATVs, Golf Carts & Motorcycles Too!

### MP3KIT-A

ME52 Amplifier, IC3.5-PM MP3 Connector, MA4055 Speakers

- ME-52 50 watt waterproof amplifier with separate panel mount waterproof volume control
- IC3.5-PM Panel mount 3.5mm MP3 connector for iPod or other MP3 players
- MA-4055 5" coaxial waterproof speakers with speaker wires included
- Also available with black speakers (Part# MP3KIT-AB)



### MP3KIT-4W

ME60 Amplifier, IC3.5-PM MP3 Connector, MA4055 Speakers

- ME60 120 watt waterproof amplifier with separate panel mount waterproof volume control
- IC3.5-PM Panel mount 3.5mm MP3 connector for iPod or other MP3 players
- MA-4055 5" coaxial waterproof speakers with speaker wires included
- Also available with black speakers (Part # MP3KIT-4B)



### MP3KIT-7W

ME60 Amplifier, IC3.5-PM MP3 Connector, MA7500 Speakers, MS55 Subwoofer

- ME60 120 watt waterproof amplifier with separate panel mount waterproof volume control
- IC3.5-PM Panel mount 3.5mm MP3 connector for iPod or other MP3 player
- MA-7500 box speakers with speaker wires included.
- MS55 compact high efficiency subwoofer
- Also available with black speakers (Part # MP3KIT-7B)



# marine SUBWOOFER

MS55

## MS55

Compact Box Subwoofer

### SPECS

- 100 Watts RMS
- 40Hz
- 5.25"

### FEATURES

- Dual Voicecoil, high-excursion
- High density, UV stable enclosure
- Water resistant
- Bass-reflex, high-efficiency acoustic design
- Side vented output ports
- Compact size and molded-in mounts provide for convenient installation nearly anywhere.
- Acoustically matched for use with Poly-Planar ME60 and ME400D amplifiers or can be used with any amplifier 25 - 100 watts.

The MS55 subwoofer is a compact, high efficiency bass enclosure optimized for marine applications. It's small size enables it to be easily mounted below seats, under the gunwale area, behind the instrument panel, or any convenient location. The MS55 is a self contained bass unit requiring no cutting of panels or holes in the boat interior. It produces solid, deep bass extending down to 40Hz and is the perfect addition to any audio system.



photo courtesy Boating Photography



PLATINUM SERIES

# marine SPEAKERS

PLATINUM SERIES MA6900, MA905, MA5500,  
MA6500, MA6600, MA6800

## HIGH POWER, HIGH PERFORMANCE MARINE SPEAKERS

Platinum Series speakers are high-powered performers that offer superior sound for discriminating listeners who demand the very best quality audio. They are the first truly waterproof, full-range marine speakers to offer the performance of a home stereo system.

Constructed to withstand the most severe effects of sun and saltwater, Platinum speakers are ideal replacement or upgrade speakers for those who want increased audio power, smooth response and minimum distortion.

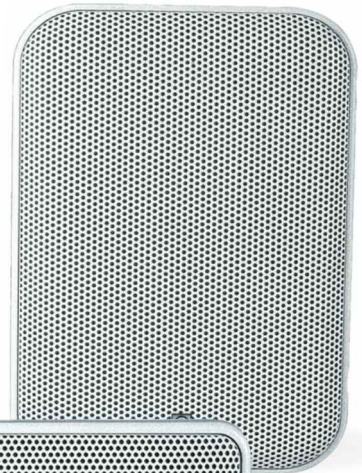
With a sleek, contemporary style that is beautifully proportioned and meticulously finished, Platinum Series speakers complement any salon, stateroom or above-deck mounting. Aluminum grills, coated internal wires, polypropylene cones and mylar tweeters assure you of long-lasting performance and good looks.

These speakers are guaranteed to provide the best sounding marine audio in their class. Available in white only.



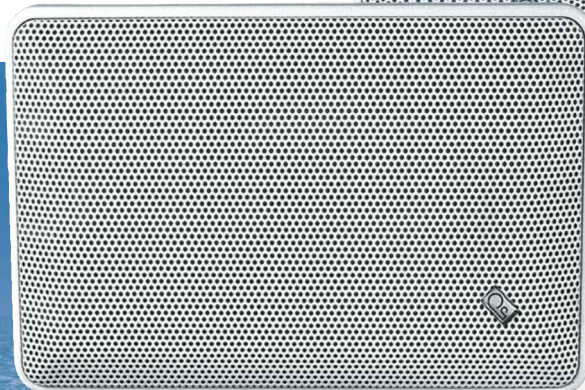
**MA6900**

Rated Frequency: 49Hz to 20KHz



**MA905**

Rated Frequency:  
55Hz to 20KHz



**MA5500**

Rated Frequency: 55Hz to 20KHz



photo courtesy Hatteras Yachts



## MA6900

Platinum Oval, Performance Advantage Speaker

The MA6900 three-way speaker is designed to deliver your favorite music with a peak power capability of 400 watts/pair.

## MA5500

Platinum Panel, Low Magnetic Field Speaker

These low magnetic field three-way speakers have a unique dual woofer design that handles up to 280 watts/pair. The perfect upgrade for the popular Slim Line Speakers.

## MA905

Platinum Panel, Low Profile Speaker

The MA905 panel speakers feature a shallow 1" mounting depth for those tight places. The two-way speakers handle peak power of 400 watts/pair. Available in black and white.

## MA6800, MA6600, MA6500

Platinum Round, 3 Sizes Available

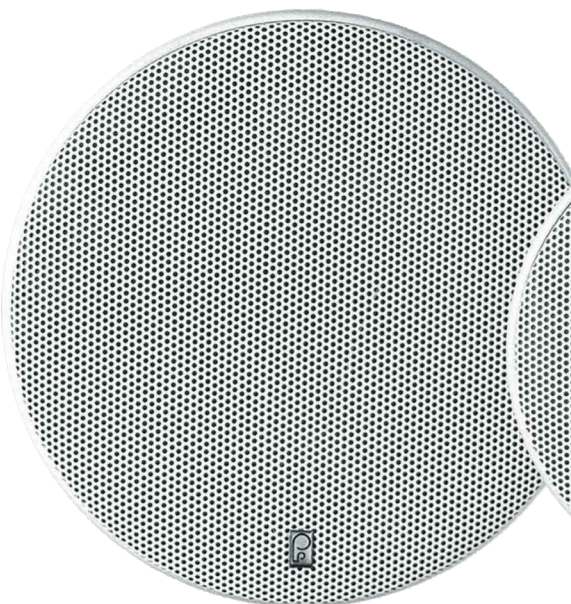
High power, multi-component, round speakers with a clean low profile and a full range of audio performance. Flush mount.

MA6800 and MA6600 are 400 watts/pair. MA6500 are 320 watts/ pair.

Rugged and reliable speakers  
for the world's most  
demanding environment!

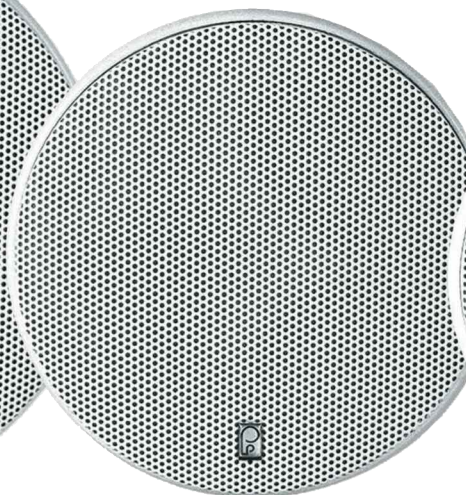


photo courtesy Sabre Yachts



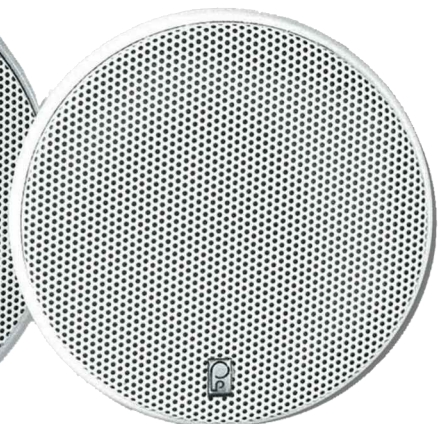
**MA6800**

Rated Frequency: 48Hz to 20KHz



**MA6600**

Rated Frequency: 54Hz to 20KHz



**MA6500**

Rated Frequency: 55Hz to 20KHz

PREMIUM SERIES

# marine SPEAKERS



**MA5950**  
Rated Frequency: 50Hz to 20KHz

PREMIUM SERIES MA5950, MA1610, MA7050, MA7060, MA7065

## MID-POWER WATERPROOF MARINE SPEAKERS

### MA5950

Premium Oval, Low Magnetic Field Speaker

Medium powered three-way speakers designed for full range sound capability. Maximum peak power 160 watts/pair. Fits most 6" x 9" speaker cutouts.



**MA1610**  
Rated Frequency: 95Hz to 20KHz

### MA1610

Premium Enclosed Flush Speaker, Low Magnetic Field Speaker

These 5-1/4" two-way speakers can be conveniently used as freestanding enclosed speakers or simply remove the back covers and mount flush. Peak power 140 watts/pair.



**MA7050**  
Rated Frequency: 58Hz to 20KHz

### MA7050

Premium 5" Round, Supplied with Both White and Graphite Grills

5 inch 2-way marine speaker. Upgraded waterproof design supplied with both white and graphite grills. Maximum peak power 160 watts/pair.



**MA7060**  
Rated Frequency:  
58Hz to 20KHz

### MA7060

Premium Panel, Contemporary Designed Speaker

These easy-to-mount two-way, panel speakers have a low mounting profile of only 3/4 inch with clean, contemporary styling. Power handling capability is 140 watts/pair.



**MA7065**  
Rated Frequency: 90Hz to 20KHz

### MA7065

Premium 6.5" Round, Supplied with Both White and Graphite Grills

6.5 inch 2-way marine speaker. Upgraded waterproof design supplied with both white and graphite grills. Maximum peak power 180 watts/pair.



## TITANIUM SERIES

# marine SPEAKERS

### TITANIUM SERIES MA8506, MA8505

The Titanium Series are waterproof, ultra low magnetic field 200 watt/pr. speaker is available in white or black color to compliment the exterior or interior of any yacht . These three way speakers are perfect for replacement or upgrade of existing speakers and the magnets will not interfere with navigation equipment. Rated Frequency: 55Hz to 20KHz

#### MA8506

##### 6" Speakers

- 6" Speakers
- Colorfast plastic frame withstands UV rays.
- Anti-magnetic design
- Waterproof construction throughout.
- Rugged powder coated aluminum grill.
- 3-way design with mylar tweeter & midrange.
- Available in white or black color

#### MA8505

##### 5" Speakers

- 5" Speakers
- Colorfast plastic frame withstands UV rays.
- Anti-magnetic design
- Waterproof construction throughout.
- Rugged powder coated aluminum grill.
- 3-way design with mylar tweeter & midrange.
- Available in white or black color

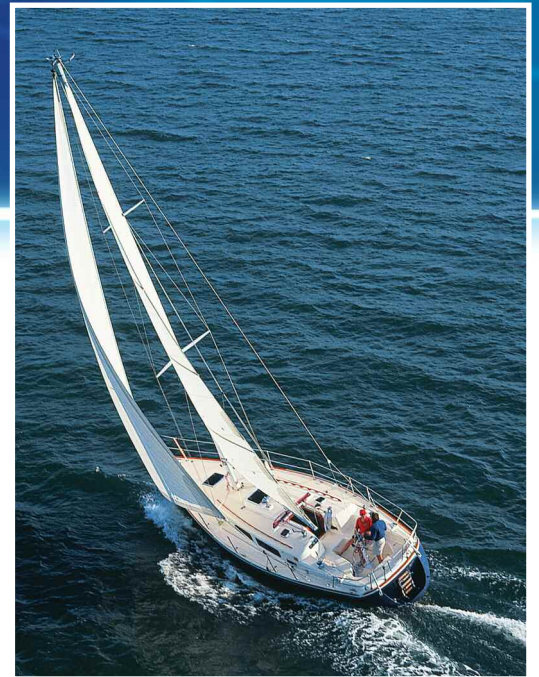


photo courtesy Sabre Yachts



MA8506



MA8505

Rated Frequency: 55Hz  
to 20KHz

## PERFORMANCE SERIES

# marine SPEAKERS

## PERFORMANCE SERIES

### MID-POWER BASIC DESIGN MARINE SPEAKERS

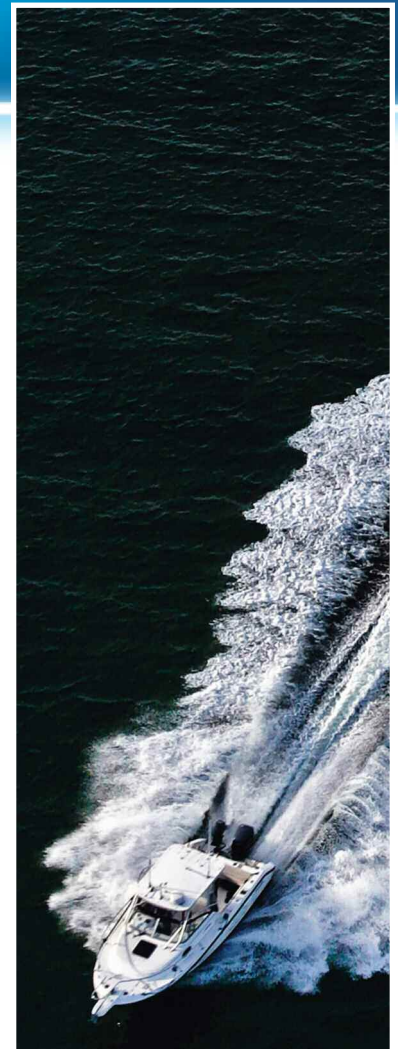


Rated Frequency: 65Hz to 20KHZ

### MA4600, MA4054, MA4055, MA4056

#### Integral Grill Speakers

Available in four sizes and your choice of black or white, the MA4000 series of low magnetic field speakers are ideal as initial, upgrade, or replacement speakers. The MA4600 is a dual cone speaker. Other models are two-way coaxial configurations. Peak power handling capability 80 watts/pair. Available in white or black color except MA4600 speaker.

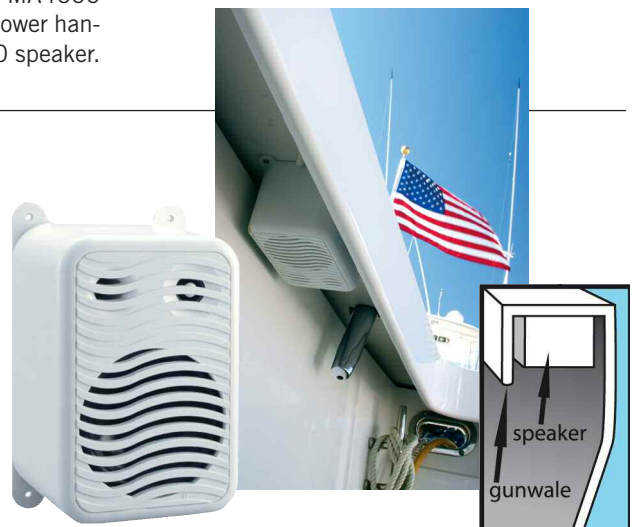


## BOX SPEAKERS

### MA9020

#### Gunwale Mount Speaker

Mount these full-sized speakers out of the way under the gunwale, where they're protected from the elements, yet close enough to deliver rich, full sound. The molded, one-piece plastic grill protects the speaker components from splash and spray. The two-way vented port design offers full range response. Peak power 200 watts /pair.



Rated Frequency: 55Hz to 20KHz



## BOX SPEAKERS

### MA9060

#### Box Speakers

Low magnetic field, full range, bass reflex box speakers offer top quality sound. Will handle 200 watts/pair. Gimbal mounting bracket included. Available in black and white.



Rated Frequency:  
55Hz to 20KHz

Rugged and reliable speakers  
for the world's most  
demanding environment!



photo courtesy Southport Boatworks



Rated Frequency: 60Hz to 20KHz

### MA7500

#### Compact Box Speakers

Contemporary design, low magnetic field, 100 watts/pair. The MA-7500 offers good sound in those locations where the MA-9060 will not fit. Bracket included. Available in black and white.

### MA800

#### Compact Box Speakers

Low Magnetic Field, two-way bass reflex box speakers. Will handle 100 watts/pair. Stainless steel gimble bracket included. Available in black and white.



Rated Frequency:  
60Hz to 20KHz

### MA840

#### Subcompact Box Speakers

Ideal for locations where other speakers won't fit. Only 4" x 4". Speakers feature low magnetic field and will handle 80 watts/pair. Stainless steel grill and bracket. Available in black and white.



Rated Frequency:  
70Hz to 14KHz



[www.polyplanar.com](http://www.polyplanar.com)

# marine SPEAKERS

MA50G, MA3013, MA3030

## COMPONENT SPEAKERS

### MA50G

Oval Grill Speakers

- 4 ohm impedance
- Full frequency audio range
- 140 peak power/pair
- Threaded body with backing nut
- Driver and/or grill can be replaced from front side for easy future service
- Mounts in 66mm/2.6" hole with included gasket and backing nut
- Mounting depth from mounting surface – 37mm/1.5 inches
- Front grill dimensions 121mm X 89mm/4.75" X 3.5"



Rated Frequency:  
200Hz to 20KHz



### MA3013

3" Cone Speakers

- 120 peak power/pair
- Flush mount
- Low magnetic field
- Waterproof constructic
- Powder coated aluminum grill
- Mounting hardware & speaker wire included
- Quick connect terminals
- Available in white or metallic gray



Rated Frequency:  
70Hz to 20KHz

### MA3030

Compact Box Speakers

- Completely waterproof
- Powder coated stainless bracket
- Gold-plated binding posts
- Powder coated aluminum grill.
- Mounting hardware and speaker wire included.
- 3", 120 peak power/pair, 2-way box speaker
- Available in white or metallic gray



Rated Frequency: 65Hz to 20KHz

## VHF EXTENSION SPEAKERS

No more missed calls! These waterproof communication speakers can be mounted where you can hear your VHF radiotelephone. Available in surface or flush mount and in black or white.

### MB41

Surface Mount Speakers



### MB21

Surface Mount Speakers



### MA1000

Flush Mount Extension Speakers





# stereo ACCESSORIES

STEREO ENCLOSURES, REMOTE CONTROLS

## STEREO ENCLOSURES

Protect your stereo from the harsh marine environment. These gasketed covers are designed to keep moisture away from your stereo. All accommodate dual post, removable and DIN-style stereos. The WC700 Housing includes two 3" integrated waterproof speakers. (Stereos not included).



## RM10

### Overhead/Under Dash Stereo Housing

The new Poly Planar RM-10 Radio Mount is designed to accommodate today's larger front panel format Marine radios as well as older DIN style and Post mount. Made from heavy wall ABS plastic, the RM-10 has room for all the accessory cables found on the newest radios. Accepts Poly Planar, Sony, Jensen, Marine AV and even Clarion CMD4! Overall Dimension(in inches) - 11.94 x 10.44 x 4.38 Inside Dimension (in inches) - 10.08 x 8.43 x 3.25



## REMOTE CONTROLS

### MR45R

#### Wired Remote

- 6' Wired Remote with display for MRD87i stereo
- Digital display with adjustable backlight
- Waterproof design
- 3.47 inches (88mm) Diameter
- Extension cable available (sold separately)



### MRR21

#### Wireless Infrared Remote

The MRR21, Wireless Infrared Remote gives you the freedom to control your Poly-Planar System wirelessly. This small, floating remote comes with an attached lanyard and a convenient storage hook (3" x 4.5" x .75").



## CABLES & CONNECTORS

### CMR10, CMR20, CMR60

Extension cable for MR45R Wired Remote. 10', 20' and 60' lengths available.



### CMYR7 Y Adapter

Connect up to two MR45R Remotes



## STEREO ACCESSORIES

### USB-PM

#### Waterproof Dual-Port

An excellent option for marine, ATV, golf cart or automotive applications. With an output of up to 5VDC / 3A MAX, the charger can charge smart phones, tablets and GPS devices. The USB charger supports express charge mode for Android and Apple devices. The dual-port USB design allows user to charge up two devices at the same time. The product is IP-66/CE/FCC/ RoHS rated.



### IC3.5PM

#### MP3 Adapter

The IC3.5PM allows you to connect your MP3 player, iPod® or satellite radio to any audio device with RCA inputs. It features a waterproof panel/dash mount with rubber cover and a 4' extension cable. Also included is a 4' patch cord for connecting MP3 player to adapter plug.



### ACX11

#### Accessories Extension Cable

ACX11 is a USB/AUX accessory input extension cable. It provides easy access to your accessory inputs. It features a waterproof panel/ dash mount with rubber cover and 6.5 foot extension cable.



### BTAL-01

#### Bluetooth AudioLink

The BTAL-01 marine grade audillink features Bluetooth, 12VDC, 33 Feet Effective Range, A2DP version 3.0, 4 Feet Audio Out Cable Length (RCA Out). Available in black only

Dimension: 3.5" x 2.75" x 1"



### IR4050

#### IR Remote Receiver

Optional infrared receiver for use with MRR2 wireless remote for full remote control of MRD87i stereo.



### GM-MRD80

#### Gimbal Mount

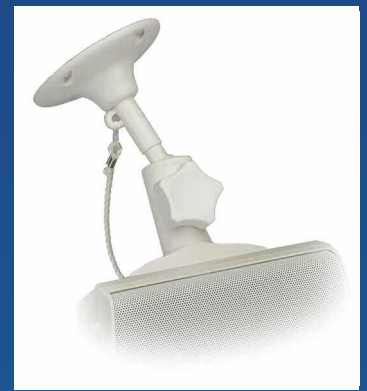
The GM-MRD80 allows you to mount your MRD87i stereo on a flat surface or overhead. Includes all hardware.



### M1

#### Pivot Mount

Conveniently changes the angle of your stereo speaker. Fits Poly-Planar box speakers - MA-9060, MA- 800, MA-7500 and MA-1610. Also convenient for marina, dock and home installations.



➤ More accessories available on our website at [www.polyplanar.com!](http://www.polyplanar.com!)



## SPEAKER BACK COVERS

Provide protection to the back side of speakers, behind a bulkhead or wall. Covers wire connections and protects the speaker cones.



### SBC1

- 7-1/8" diameter
- Slotted mounting holes match stud locations on most speakers
- Covers wire connectors
- High impact white ABS
- Compact size fits Poly-Planar MA4054, MA4055, MA4056, MA8505, MA8506, and MA6500 speakers.



### SBC2

- 8-1/2" diameter
- Hide and protect valuable speakers
- High impact white ABS
- Compact size fits Poly-Planar A4054, MA4055, MA4056, and MA4600 speakers.



### SBC3

- 11" diameter
- Hide and protect valuable subwoofers
- High impact white ABS
- Cover for Poly-Planar MA6600, MA6800, MA6900, MA5107, and MA5950 speakers.

# INSTALLATION

## CONSIDERATIONS

### Stereo Installation Considerations

Give your stereo some air. Properly installed, your stereo will be well ventilated so the heat sink can dissipate heat into the surrounding air. Make sure the unit is properly sealed to the dash so water cannot leak into the chassis or the connectors behind the dash. Pay particular attention if your unit is mounted below instrument gauges, as they are a common source of leaks. Always keep the front panel firmly closed. Use only UL-approved power connections and fuses with the proper ratings. The yellow memory B+ requires a 1A fuse (supplied); the red ACC line requires a 10A fuse (supplied).

### Speaker Installation Considerations

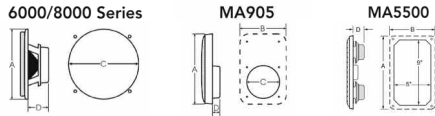
Speakers are directional—point them at your ears. When mounting, consider where your ears will be when listening, and point the speakers' central axis in that direction. Don't choke your sound. Flush-mount speakers need air behind them. More air is better. Allow at least one cubic foot of air behind your speakers so as not to compromise the bass response. Separate the air in front of the speaker from the air behind it. If there is no baffle (wall) separating the front of the speaker from the back, the positive air pressure at the front of the cone will rush around to fill in the vacuum behind the cone, instead of reaching your ears, which dramatically reduces bass response. This "free air response" explains why unmounted speakers may sound "tinny."

Don't blow your speakers. Make sure your speakers can handle more power than your stereo can produce. The power specification on a stereo is the maximum amount of power the stereo will produce. The power specification on a speaker is the maximum amount of power the speaker can handle. If the stereo can produce more power than the speakers can handle, you may blow your speakers at high volume. Use RMS power for comparison purposes. Compare the per channel power of the stereo with the per speaker power of the speakers. You cannot gain sound quality by increasing the maximum power handling of your speakers. A one-watt signal will not sound any better on 100-watt speakers than it will on 10-watt speakers.

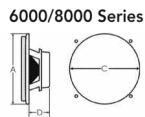
Use proper wiring. Use 18-gauge wire to connect your stereo to your speakers. Doorbell wire works well, it's inexpensive, comes in pairs, and isn't stranded, so there's less surface area to corrode. Seal all wires between the insulation and soldered area. Make sure positive terminals on speakers are matched with the positive side of the stereo output.

# TECHNICAL SPECS

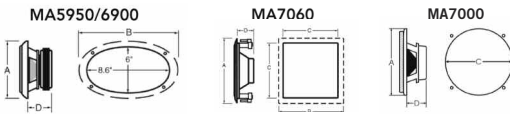
	A		B		C		D		IMPEDANCE	MAX RMS	MAX POWER PEAK	CONE SIZE	CONFIGURATION	FREQUENCY
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(ohms)	(watt)	(watt)	(inches)		
<b>PLATINUM SERIES</b>														
MA6500	6 15/16	160			4 13/16	121	2 9/16	65	4	80	160	5 1/4	2way	55Hz to 20KHz
MA6600	7 5/8	193			5 13/16	147	3	76	4	100	200	6 1/2	2way	54Hz to 20KHz
MA6800	9 1/4	235			7 1/2	190	3 7/16	87	4	100	200	8	3way	48Hz to 20KHz
MA6900	7 3/4	196	10 15/16	262	8 1/2 x 6 1/16	215 x 154	3 5/16	83	4	100	200	6 x 9	3way	49Hz to 20KHz
MA905	9 1/16	229	6	152	4 5/16	109	1	25	4	100	200	5	2way	55Hz to 20KHz
MA5500*	10 1/16	255	6 5/16	159	8 7/8 x 5	225 x 126	1 9/16	39	4	70	140	3 1/2	3way	55Hz to 20KHz



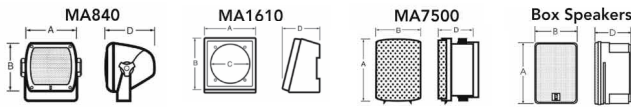
<b>TITANIUM SERIES</b>														
MA8506*	7	177			5 9/16	140	2 7/16	62	4	50	100	6	3way	55Hz to 20KHz
MA8505*	6	152			4 5/8	117	2 3/8	60	4	50	100	5	3way	60Hz to 20KHz



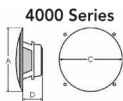
<b>PREMIUM SERIES</b>														
MA5950*	7 3/4	196	10 3/8	263	8 7/16 x 5 15/16	213 x 150	3 7/16	87	4	40	80	6 x 9	3way	50Hz to 20KHz
MA7050	6 5/16	160			4 51/64	122	2 31/64	63	4	40	80	5	2way	95Hz to 20KHz
MA7060	8 11/16	220	8 11/16	220	7 3/8 x 7 3/8	186 x 186	2 5/8	66	4	70	140	6	2way	90Hz to 20KHz
MA7065	7 9/16	192			5 5/8	145	2 51/64	71	4	45	90	6 1/2	2way	90Hz to 20KHz



<b>BOX SPEAKERS</b>														
MA800*	7 1/2	190	4 15/16	125			4 15/16	125	4	25	50	3 1/2	2way	60Hz to 20KHz
MA840*	4 3/16	106	4 1/16	102			4 1/2	114	4	20	40	3 1/2	dual cone	70Hz to 14KHz
MA1610*	6 5/8	167	6 5/8	167	5	127	4 3/8	111	4	35	70	5 1/4	2way	58Hz to 20KHz
MA7500*	7 11/16	195	5 1/8	130			4 11/16	119	4	25	50	3	2way	60Hz to 20KHz
MA9060*	9 1/16	230	6 1/16	153			5 5/8	143	4	60	100	5 1/4	2way	55Hz to 20KHz



<b>PERFORMANCE SERIES</b>														
MA4054	5 1/4	132			4 1/16	102	2 1/8	54	4	20	40	4	2way	65Hz to 20KHz
MA4055	5 15/16	150			4 7/16	112	2 1/4	56	4	20	40	5	dual cone	60Hz to 20KHz
MA4056	7 3/16	182			5 1/4	132	2 9/16	65	4	20	40	6	2way	60Hz to 20KHz
MA4600	7 3/16	182			5 5/8	142	2 1/8	53	4	20	40	6	2way	55Hz to 14KHz



<b>COMPONENT SPEAKERS</b>														
MA3013	3 9/16	89			2 7/8	72	1 1/2	37	4	30	60	3	single	70Hz to 20KHz
MA3030	6 1/2	164	3 7/8	98			4 1/8	105	4	40	60	3	2way	65Hz to 20KHz
MA50G	3 1/2	89	4 3/4	121	2 5/8	66	1 1/2	37	4	35	70			



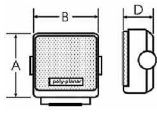


	A		B		C		D		IMPEDANCE	MAX RMS	MAX POWER PEAK	CONE SIZE	CONFIGURATION	FREQUENCY
	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)	(inches)	(mm)						

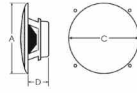
**VHF EXTENSION**

MB-21	2 15/16	74	2 3/4	69			1 5/16	33	4	4	8	2	single	
MB-41	4 5/8	117	4 5/8	116			2 1/8	53	4	5	10	3 3/4	single	
MA1000	5 15/16	151			4 3/8	110	1 5/8	41	4	10	20		dual cone	

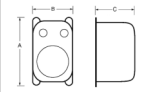
MB-21 & MB-41



MA1000



MA9020



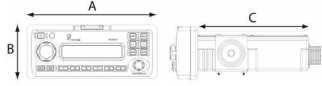
**GUNWALE MOUNT**

MA9020	10 7/16	265	6	152			5 5/16	136	4	60	100	5	2way	55Hz to 20KHz
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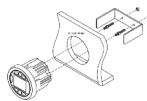
**STEREOS**

MRD87i	7 9/16	202	3 1/8	80	7 1/16 x 2 1/16	179 x 52	7 5/16	185		180				
GSMR20					4 1/8	105	3 1/2	91			160			
GSMR30	4 1/2	115	4 1/2	115			4 1/4	108			180			

MRD87i



GSMR20



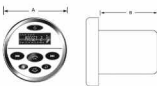
GSMR30



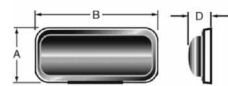
**REMOTE CONTROL & COVERS**

MR45R	3 1/2	88			3	76								
WC400	4 3/16	106	9 1/16	230			10 5/16	261						
WC3	4 3/16	106	9 1/16	230			1 15/16	49						
WC700	7	178	11	279	2 7/8	72	1 1/2	38		40		3		
WC4	4 13/32	112	9 51/64	249			3 15/16	100						

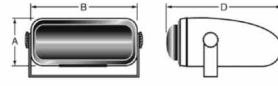
MR45R



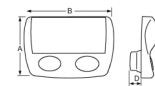
WC400



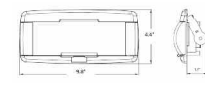
WC3



WC700



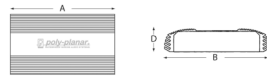
WC4



**AMPLIFIERS**

ME400D	10 7/8	275	6 3/4	170			1 7/8	46		500				
ME60	6 15/16	175	4 3/16	106			1 9/16	39		120				
ME52	4 7/8	124	4 3/16	106			1 9/16	39		50				
ME60BT	8 3/8	214	4 1/4	106			1 3/8	35		120				
ME70BT	7 7/8	200	5	127			2 7/8	73		180				

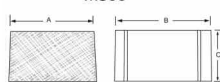
ME52 / ME60 / ME400D / ME60BT / ME70BT



**SUBWOOFERS**

MS55	8 5/8	218	11 1/2	292			4 13/16	122	4	100		5 1/4		
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MS55



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