

# DLS MARINE AUDIO



After producing high quality Car Audio speakers since 1986, and Home Audio speakers since 2002, we decided to enter Marine Audio as well. We have adapted our best Car Audio products for the marine environment. The speakers and amplifiers use a white powder coating resistant to water. Some speakers are well suited for outdoor use while others are best for indoor use in your boat. The amplifiers have a lacquer coated PC-board to resist moisture. Now you can experience the famed DLS sound, a sound that satisfies even the most hardcore music enthusiast - also in your boat.





## DLS MARINE AUDIO SPEAKERS



MR5



MR6

## DLS MARINE COAXIALS

### FEATURES AND BENEFITS:

- Excellent audio performance, transparent and clear sound
- Water protected design
- Easy installation

The **MR5** and **MR6** are designed for use both outdoors and indoors on a vessel or yacht. Water protected and corrosion proof design for permanent outdoor mounting in saltwater environment

They are extremely easy to install, grill and basket are integrated with a low magnetic radiation design. UV plastic frame and grill.

The **MR426** have a water resistant front with a steel basket and are not so well protected as the plastic frame speakers. Avoid installing them where they are likely to get wet on the back side. The heavy magnet system is magnetic shielded. White UV powder coating to prevent corrosion. White grilles are included.

### MORE FACTS:

Model	MR5	MR6	MR426
Size	5,25" / 13 cm	6,5" / 16,5 cm	6,5" / 16,5 cm
Nom. power (RMS)	60 W	60 W	60 W
Maximum power	100 W	100 W	100 W
Frequency range	65 Hz - 20 kHz	55 Hz - 20 kHz	50 Hz - 20 kHz
Magnet diameter	70 mm / 2,75"	80 mm / 3,15"	80 mm / 3,15"
Outer diameter	150 mm / 5,9"	180 mm / 7,08"	165 mm / 6,5"
Mounting depth	54 mm / 2,12"	63 mm / 2,48"	73 mm / 2,87"
Mounting hole	120 mm / 4,72"	140 mm / 5,5"	145 mm / 5,7"
Tweeter	16 mm / 0,63"	16 mm / 0,63"	20 mm / 0,8"



MR426

## HI-END COAXIAL

If you look for Hi-End sound choose our coaxial MX26. This speaker creates an excellent sound but is not fully water resistant. Designed for use indoors in yachts and other covered vessels. Has a white powder coated steel basket to prevent corrosion. Aluminium cone and TPU rubber edge. The 28 mm nanoplate tweeter gives an excellent treble up to 25 kHz.

### MORE FACTS:

Size	6,5" ( 16,5 cm)
Nom. power (RMS)	100 Watts RMS
Max. power	160 Watts
Frequency range	45 Hz-25 kHz
Sensitivity	91 dB / W / m
Magnet diameter	58 mm / 2,28"
Outer diameter	165 mm / 6,5"
Mounting depth	63 mm / 2,48"
Mounting hole	140 mm / 5,5"
Tweeter	28 mm / 1,1" nanoplate



MX26



## DLS MARINE AUDIO AMPLIFIERS

### MRA 22 - TWO CHANNELS

The MRA 22 is a small but powerful amplifier with a nominal output of 2 x 60 Watts. With a mono bridge-connection, it puts out all of 200 Watts. Built-in low pass filter for subwoofers and a variable high pass filter. Has a high level input with automatic start function. White UV powder coating to prevent corrosion. PC-board has a protective layer of lacquer.



### MRA 31 - THREE CHANNELS

The MRA 31 is a three channel amplifier with a nominal output of 2 x 65 Watts + 1 x 170 Watts in 4 ohm load (2 x 90 W + 1 x 280 W in 2 ohm). Has built-in high-pass, low-pass and subsonic filters. Has a variable phase control on the sub channel. Has a high level input with automatic start function. White UV powder coating to prevent corrosion. The PC-board has a protective layer of lacquer.



MRA22



MRA31

#### DLS MARINE AUDIO

R.M.S. Power output at 13,8 Volts, 20 Hz - 20 kHz, all channels driven:

	MRA 22	MRA 31
Number of channels	2	3
Power output in 4 ohm (0,1% THD)	2 x 60 W	2 x 65 W + 1 x 170 W
Power output in 2 ohm (0,2% THD)	2 x 100 W	2 x 90 W + 1 x 280 W
Power output 4 ohm bridged	1 x 200 W	1 x 170 W
Signal to noise ratio, A-weighted	>100 dB	>100 dB
Damping factor	>100	>100
Frequency response	10 Hz - 35 kHz	10 Hz - 35 kHz
Input impedance, low level	>10 kohms	>10 kohms
Input impedance, high level	100 ohms	100 ohms
High level input with auto start	yes	yes
Low output	yes	no
Input sensitivity	0,25 - 5 V	0,25 - 5 V
Phase control continuous	-	0-180 degrees
Filter high pass / subsonic	15 - 500 Hz*	15 - 150 Hz* / Yes, 25 Hz*
Filter low pass	50 - 500 Hz*	50 - 120 Hz
*can be switched in/out		
<b>POWER CONSUMPTION</b>		
Idle / max	0,5 A / 25 A	1,0 A / 60 A
fuses	1 x 25 A	2 x 30 A
Dimensions (mm)	70 x 230 x 268	70 x 357 x 268
Dimensions (inch)	2,92 x 9,06 x 10,55	2,92 x 14,06 x 10,55
Weight	2,7 kg / 6,2 lb	4 kg / 9,2 lb

## DLS MARINE AUDIO SUBWOOFER

### FEATURES AND BENEFITS

Water protected subwoofer for marine and outdoor use. Coated paper cone with foam edge, Steel basket with UV powder coating and chromed binding post terminal. Can be used in "open air" baffle installations, or in sealed and vented enclosures. A white grille is included with the subwoofer.

### MORE FACTS:

Model	MR10D
Size	10" / 25 cm
Nom. power (RMS)	180 W / 360 W max
Impedance	4 ohm
Frequency range	25 Hz - 2 kHz
Magnet diameter	145 mm / 5,7"
Outer diameter	265 mm / 10,43"
Mounting depth	153 mm / 6,02"
Mounting hole	240 mm / 9,45"
Fs / Qts / Vas	39,9 Hz / 0,47 / 25,5 litres
Weight	5,5 kg / 12,13 lb



MR10D



## DLS IN WALL SPEAKERS

In-wall speakers are normally used in your home or public use in shops restaurants etc; but the construction makes them suitable also for marine use.

In-wall speakers feature an elegant style. The complete waterproof and corrosion proof ABS basket and rear dog-ears structure for easy fix on the wall. Has an aluminum grill.

They are well suited for any use but avoid installing them where they are likely to get wet by direct water. They are best suited for in-door use in yachts and vessels.

### MORE FACTS:

Model	IW125i	IW126i	IW426	IW428
Size	5,25" / 13 cm	6,5" / 16,5 cm	6,5" / 16,5 cm	8" / 20 cm
Nom. power (RMS)	50 W	50 W	60 W	70 W
Maximum power	100 W	120 W	90 W	120 W
Frequency range	60 Hz - 18 kHz	50 Hz - 18 kHz	50 Hz - 20 kHz	42 - 20 kHz
Magnet diameter	70 mm / 2,75"	80 mm / 3,15"	100 mm / 4"	100 mm / 4"
Outer diameter	204 mm / 8,03"	228 mm / 8,98"	228 mm / 8,98"	270 mm / 10,6"
Mounting depth	60 mm / 2,36"	65 mm / 2,56"	70 mm / 2,76"	90 mm / 3,54"
Mounting hole	166 mm / 6,53"	192 mm / 7,56"	192 mm / 7,56"	238 mm / 9,37"
Tweeter	16 mm / 0,63"	16 mm / 0,63"	20 mm / 0,8"	25 mm / 1"



## DLS ALL WEATHER BOX SPEAKERS

### FEATURES AND BENEFITS

Water protected box speakers in ABS plastic. Two models of 2-way vented speaker boxes suitable for outdoor and indoor use on boats or in your home. Perfect for public sound in restaurants, shops or what you can think of.

### HIFI SOUND

MBU5 is an extremely well sounding HiFi speaker. The box is well dampened to avoid resonances and the crossover uses only the best components like ribbon coils and polypropylene capacitors.

### MORE FACTS:

Model	MB5
Speaker type	2-way bass reflex
Impedance	4 ohm
Size of bass driver	5,25" ( 13 cm)
Tweeter	20 mm / 0,8" soft dome
Nom. power (RMS)	80 Watts RMS
Maximum power	160 Watts
Frequency range	70 Hz-20 kHz
Sensitivity	90 dB / W / m
Temp. range	-20 - +85 degrees C.
Outer size WxHxD	235 x155 x160 mm
Weight	2,5 kg / 5,4 lbs



### MORE FACTS:

Model	MBU5
Speaker type	2-way bass reflex
Impedance	4 ohm
Size of bass driver	5,25" ( 13 cm)
Tweeter	28 mm / 1,1" soft dome
Nom. power (RMS)	100 Watts RMS
Maximum power	200 Watts
Frequency range	60 Hz-20 kHz
Sensitivity	91 dB / W / m
Temp. range	-20 - +85 degrees C.
Outer size WxHxD	300 x190 x165 mm
Weight	4 kg / 9 lbs



MBU5

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