



# MP500 V2

Ultra-Class-D™ Multi-Purpose DSP Amplifier



### Fast Speaker Connection

A toolless Phoenix™ connector uses tension levers to securely hold up to 12ga speaker wire in a matter of seconds, making installation faster and easier than ever before.



### The MP500 V2 amplifier is an ideal match for MartinLogan Custom Installation and Outdoor speakers and subwoofers.

Configurable as either a two-channel Stereo, dual Mono, or one-channel bridged mono amplifier, it can even power dual MartinLogan Custom subwoofers. With 500 watts of available power, flexible inputs, selectable DSP presets, and a compact footprint, the MP500 V2 delivers a powerful and versatile amplifier solution that doesn't take up a lot of space.

In two-channel mode it outputs 130w x 2 @ 8ohms or 250w x 2 @ 4ohms and when in bridged mode it can output up to 500w x 1 @ 8ohms. While MP500 V2 can be used to power nearly any speaker, the selectable onboard DSP presets focus on optimizing performance for use with MartinLogan outdoor speakers and subwoofers, and select MartinLogan Custom Installation speakers and subwoofers. The included rack mount ears and connector bracket allows mounting up to two amplifiers in a single 1U rack space, providing up to four high-power amplifier channels. Whether it's powering a pair of subwoofers in a home theater, or an outdoor speaker system, MP500 V2 brings power, performance, and flexibility to a variety of installations.



### Power Density

We understand rack space can be valuable. When multiple amplifiers are required, two MP500 V2's can be mounted side-by-side using the included connector bracket. With a 1U height and half-rack width, MP500 V2

makes efficient use of space allowing you to run up to four subwoofers using only 1U of rack space!

MP500 V2 includes both rack mount ears and a connector bracket to support single or dual rack mount installations. Feet are also pre-installed for shelf or cabinet installations.

### The Perfect Match

MartinLogan engineers created performance optimized DSP presets for a variety of MartinLogan Custom Installation and outdoor speakers and subwoofers, ensuring you get incredible sound and reliability. While many installations will be able to use the bass management within the AVR, processor, or other device, we also understand there are situations where a separate low-pass filter may be desired. For installation flexibility, MartinLogan Custom Installation subwoofer DSP presets include a low-pass filter when using the Left/Right inputs, or no additional filtering when using the dedicated subwoofer input.



### Input Flexibility

MP500 V2 has Stereo RCA as well as a selectable Digital Coax or Digital Optical input, offering plenty of flexibility to directly connect your favorite source for Stereo playback. The dedicated Subwoofer (LFE) input makes it incredibly easy to power a Custom Installation subwoofer, like our Dynamo IW-S or IW-O, by connecting directly to the "Subwoofer Output" of your AVR or other electronic device. For installation flexibility, MartinLogan Custom Installation subwoofer DSP presets include a low-pass filter when using the Left/Right inputs, or no additional filtering when using the dedicated subwoofer input.

### Keeping Cool Under Pressure

Taking dealer feedback to heart, the MP500 V2 features a robust, yet quiet, active cooling system in order to keep things under control even under extreme playback. With no user intervention required, the cooling fan will engage as needed to help keep the air flowing across the MP500 V2's heatsinks, keeping the fun going. Maximum output, minimal noise.



### Powerful Pairings

Using multiple subwoofers, especially in a Home Theater, has many benefits. Multiple subs provide more even bass across the room, making sure that every seat gets an incredible performance. In addition to this, by spreading the bass across multiple subs, there are more woofers handling the bass workload. By sharing bass across multiple subwoofers, distortion (and potential stress on the components) is lowered, resulting in cleaner, more effortless sound.

The most obvious benefit of increasing the subwoofer count is the higher maximum output potential, making sure that you have plenty of headroom in the system to better allow for the peaks in dynamic movie explosions or dramatic musical passages. In a nutshell, the more subs the better! To that end, MP500 V2 has onboard DSP presets optimized for both single and dual MartinLogan subwoofer configurations, meaning you can run up to two MartinLogan Custom Installation subwoofers per MP500 V2.



### Design

Ultra-Class-D™ Multi-Purpose Two-Channel Power Amplifier

### Amplifier

Up to 500 Watts (when Bridged)

### Standby Power

<0.5 Watts

### Continuous Watts x

Channel @ Ohms

130W x 2 @ 8ohms,  
250W x 2 @ 4ohms,  
500W x 1 @ 8ohms

### Back Panel Controls

Main Power Switch (On/Off),  
Volume Control (Min/Max),  
Preset Profile Selection (Dip  
Switches Position 2-6) (32  
Presets), Coax or Optical  
Selection (Dip Switch Position 1)

### Fan Cooled

Yes

### Bridgeable

Yes

### THD

< 0.05%

### Amplifier Frequency Range

20Hz-20kHz +/-3dB

### Inputs

Stereo RCA, Sub RCA, 12V  
Trigger, Digital Optical, Digital  
Coax, USB C (Firmware  
Updates)

### Output

12V Trigger Passthrough

### Included Accessories

Quick Start Guide, Power Cord,  
Rack Mount Ears, Connector  
Bracket, and Hardware Pack

### Dimensions (h x w x d)

1.97" x 8.5" x 12.2"  
(5cm x 21.6cm x 31cm)

Specifications are subject to  
change without notice.