

Paradigm®
X-500
Multi-Purpose Amplifier

Specifications Sheet



A jack of all trades amp in an exceptionally slim form factor

The all-new two-channel Paradigm X-500 amplifier is the perfect complement to our CI Home, Pro and Elite in-wall and in-ceiling speakers, the Defiance Custom Subwoofers and our Stylus, Rock and Garden Oasis outdoor solutions. Configurable as either a two-channel stereo or as a bridged single-channel mono amplifier, the X-500's slim form-factor, flexible inputs and selectable DSP presets make installation and setup a breeze.

The X-500 is truly the jack of all trades. When bridged, it offers up to 500-Watts of power on demand. Similarly, when used in its two-channel configuration, the X-500 outputs up to 140W (8Ω) or 250W (4Ω), making it the ideal solution for your custom installation needs. In addition, the X-500's selectable DSP presets can unlock the true potential of our DCS Series subwoofers and outdoor products by ensuring optimal performance and operating conditions. Use it to power a pair of subwoofers in the home theatre or drive a couple of outdoor speakers in the backyard—the perfect balance of flexibility and performance, only from Paradigm.

OTHER FEATURES

Planning on using multiple X-500s? An optional connector bracket (*sold separately*) mounts two units side by side in the same rack space. With a form factor of 1U high and half-rack width, X-500 allows for four channels in a single rack space.

Dynamic Fan-Cooling engages with zero intervention ensuring long-term performance reliability with minimal noise under the most demanding playback conditions.

Custom DSP Presets enable different system configurations, multiple subs, and low pass filter options to help support the needs of your installation.

Supports:



Custom In-Wall



Custom In-Ceiling



Custom Outdoor



Custom Subwoofer



Powerful Pairings

Using multiple subwoofers provides more even bass coverage across the room so that every seat receives smoother and more consistent bass; this ensures there are no “bad seats.” Another benefit of raising the potential maximum output level is it adds plenty of “room to spare” in the system to allow for those dynamic movie explosions or dramatic musical passages.



Keeping Cool Under Pressure

What’s performance without long-term reliability? The Paradigm X-500 features a robust, quiet, dynamic cooling system to keep things operating smoothly under extreme playback conditions. The dynamic cooling system will engage with zero intervention required to keep components cool under load. Simply put, it provides maximum reliability with minimal noise.

Input Flexibility

The Paradigm X-500 features inputs like Stereo RCA and selectable Digital Coax or Digital Optical, offering plenty of flexibility to connect to your favourite source. In addition, the X-500’s dedicated Subwoofer (LFE) Input powers custom subwoofers by connecting directly to the “subwoofer output” of your AVR or AV Processor. Alternatively, the Stereo RCA input is an option if a low pass filter is required.



TECHNICAL SPECIFICATIONS

	X-500
DESIGN	Ultra-Class-D™ multi-purpose two-channel power amplifier
AMPLIFIER	Up to 500 Watts (when Bridged)
STANDBY POWER	<.5 Watts
CONTINUOUS WATTS x CHANNEL @ OHMS	140W 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 +1/-3dB
INPUTS	Stereo RCA, Sub RCA, 12V Trigger, Digital Optical, Digital Coax, Micro USB (Firmware Updates)
OUTPUT	12V Trigger Passthrough
INCLUDED ACCESSORIES	Power Cord, Rack Mount Ears, Hardware Pack
DIMENSIONS (h x w x d)	2.2" x 8.5" x 12.5" (5.6cm x 21.6cm x 31.75cm)
WEIGHT	7.22 lbs (3.27 kg)

All specifications are subject to change without notice.