

ZONEMASTER™

A NEW FAMILY OF BOOSTERS



Announcing the latest additions to the popular EASYDCC System. This new family of boosters offers many new and exciting features at a price that's hard to beat. And they are compatible with almost all DCC systems. And, there is absolutely no programming needed. These booster come ready to go; select from the various options simply by throwing a switch.

Multiple Zones: Imagine having a booster that has multiple and independent outputs, or zones, built-in. No need to add expensive external devices to create independent and protected outputs. The new Dual-Zone Booster, DZB7, has this feature already built in so there is no need to hassle with wiring, complicated setup procedures or installation instructions.

Separate and Independent protection: Each zone is protected against short circuits, overloads and overheating. If a derailment occurs, the affected zone shuts down without affecting the other zones. This is the perfect solution for both small and large layouts. The built-in fault indicators show which zone has been tripped.

Superb Surge Current Capability: Each of the new Boosters will provide up to 30 Amps of surge current capacity. If your layout has lots of sound equipped locomotives, you will need this to reliably operate these locomotives.

Single Zone Booster: Designed to be used either alone or as a source for the quad output ZoneShare Booster, the SZB7 booster features the same impressive ratings. With plenty of power, it will power your growing layout without hesitation.

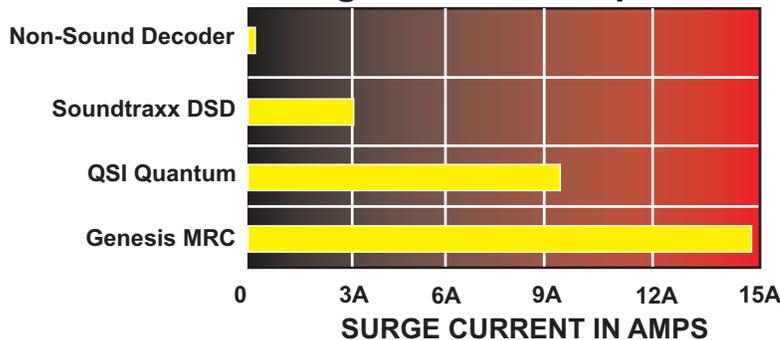
Single Zone with AutoReverse: The SZB7 features a full 7 amps of output power plus a built-in autoreverse capability. This new booster has more than enough power for your large yards, big industries or busy staging tracks.

DCPS120 Power Supply: This is the companion power supply used to power all of the ZoneMaster Boosters. It is one of the few power supplies that is available with a Universal AC Input. The DCPS120 will work with any common household AC line voltage from 100 to 240 Volts, making it suitable for almost any country in the world. The 120 Watt output provides a huge reserve of current to satisfy the surge current requirements of the booster. It is rated at 8 Amps continuous when set for 15 volts.



	SZB7	SZB7-R	DZB7
Introductory Pricing	\$79.95	\$89.95	\$149.95
Number of Independent Zones	1	1	2
Auto Reverse	NO	YES	YES
User Adjustable Trip Current	YES	YES	YES
Number of Auto-Reverse Zones	0	1	1
Maximum Continuous Current	7 Amps		
Maximum Allowable Surge Current	30 Amps		
Each Zone With Circuit Breaker	YES		
DCC Signal Indicator	YES		
Independent Thermal Protection	YES		
Reverse Polarity Protection	YES		
Opto Isolation	YES		
Compatible With All DCC Systems	YES		

Sound Decoder Surge Current Comparison



Surge Capacity - A New Measurement

Sound equipped locomotives cause a huge current surge on a booster when power is first applied or after the booster recovers from a fault.

The graph shows the measurement results from several common sound decoders. A non-sound decoder is included as a reference.

Note that these are single locomotives and that the locomotive is not running - it is simply sitting there. If there is more than one locomotive, then surge current will be higher than shown.

ZoneMaster™ Power Supply

Universal DC Power Supply - DCPS120

AC Input 100 to 240 VAC 50/60Hz

User Selectable 15 to 24 DC Volts

Output Power 120 Watts



- Switch Selectable Voltage - 15V, 16V, 18V, 19V, 20V, 22V or 24V
- High Current Rating up to 8 Amps (depends on voltage setting)
- High Power 120 Watt
- Universal AC Line Input - 100V - 240V AC
- Suitable for All Layouts

Part Number: DCPS120..... \$55*

This high efficiency power supply offers the best compromise between high power and small size. It is safe for all types of household voltages and is perfectly suited for any railroad, anywhere in the world.

The peak track voltage is set with the slide switch with the 15V setting perfect for most HO and O layouts. Higher voltages may be selected for larger scales.

The total available continuous current is calculated by dividing the selected voltage by the power supply power rating. For example, at 15 volts, the DCPS120 will provide more than 8 Amps which is more than sufficient to guarantee maximum output current from any of the CVP ZoneMaster Boosters.

Input AC Voltage: This is a universal supply suitable for all primary voltages found throughout the world. The supplied plug fits most European wall outlets. For unusual wall outlet requirements, the plug can be cut off and a suitable one can be attached.

Output Voltage Select: The desired output voltage is selected by using the slide switch. Once selected, a protective cap can be snapped in place to prevent accidental changing of the output voltage.

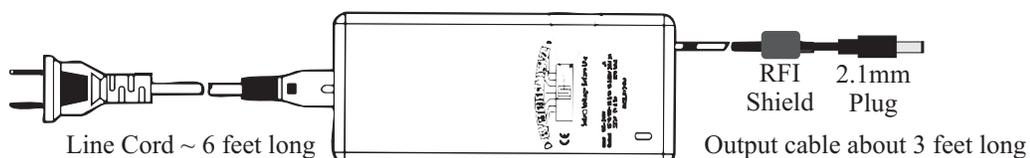
Recommended Output Voltage: Use the 15 Volt setting for HO and O railroads. For LGB, use 18V. Always use the lowest possible setting since the higher the voltage, the lower the available current.

Available Power and Current: The maximum power output is 120 Watts. To determine the maximum available current, divide the power rating (120W) by the selected output voltage. For example, with the 15V setting, up to 8 Amps can be supplied. However, your specific booster will have its own maximum rating which may be less than the maximum available from the power supply.

Protection: The power supply is protected against overloading, short circuits and overheating. The output will shut down should any of these faults occur and automatically reset when the fault is cleared.

Power Indicator: There is a small green LED on the front of the unit. When AC power is applied, it will turn on.

DC Power Cord and Plug: The heavy duty plug uses a 2.0mm to 2.1mm jack. It plugs into the matching jack on any ZoneMaster unit.



* Shipping and Handling Not Included

Prices and Specifications Subject To Change

CVP Products POB 835772 Richardson, TX 75083 USA www.cvpusa.com