



## Deca-Dent 500 Series

The **Deca-Dent 500 Series** is a new 10 space rack mount chassis from Trident Audio Developments. This 500 series chassis is unique because it features the most versatile set of connections on the market, along with features not found on other 500 Series chassis.

Connecting to the Deca-Dent is both simple and versatile. Each channel can be connected via a combi jack which supports both XLR or 1/4" input. The output for each channel is XLR. In addition to this the first 8 channels of the 10 space rack are also accessible via a DSub (DB-25) connection for even simpler connections.

Beyond the connections of the rack, there are also very powerful linking features. Each pair of channels from left to right can be set to feed the Output of the left channel into the Input of the right channel, without the need to physically do this with cables. In addition to the Feed feature, the channels are also stereo linkable via the "Stereo Link" switch. This ties pins together on Odd/Even pairs of modules, and if the modules already support a Stereo Link function this switch will additionally activate that feature. This makes stereo linking of compressors or limiters extremely simple and there is no need to physically link the units with cables.



The Deca-Dent is powered externally by a switch mode power supply that can operate in any country without having to change any voltage settings. The power supply provides 32 Volts via a +/- 16V rails and a separate +48V rail for phantom power. Each slot gets the full 130mA requirements when under a full 10 unit load.

### Trident Deca-Dent 500 Series Rack Features

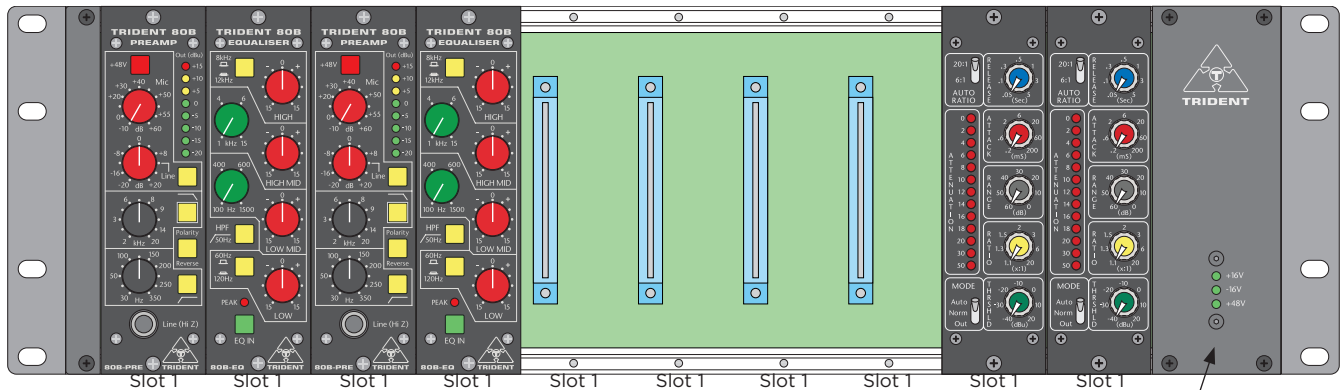
- 10 Spaces of 500 Slots
- Input to Output Feed Switch in pairs
- External Power Supply
- Stereo Link functioning pairs
- Connections via XLR, 1/4", and D-Sub

### Trident Audio Developments

1845 W 169th Street, Gardena, CA 90247 [tridentaudiodevelopments.com](http://tridentaudiodevelopments.com)  
US Sales & Service +1 (310) 323-9050 [sales@tridentaudiodevelopments.com](mailto:sales@tridentaudiodevelopments.com)



There are 10 slots available, all have XLR and Output Jacks, the first 8 slots also connect to DB-25 connectors (see rear view). The 6 Modules shown are for illustration only.



These LEDs show the status of the 3 supply voltages within the Unit. All 3 voltages are provided by the external PSU brick (*supplied*).

This switch (when On) ties the "stereo Link" pins together on Odd/Even pairs of modules. (This is Pin-6 of the EDAC connector).

If the modules are stereo-linkable, then this switch will activate that function on those modules.

Typical examples are compressors and limiters that can be linked to maintain proper imaging when processing a stereo signal.

In the example (shown in the front view), the 2 compressors in slots 9 & 10 are Stereo-linked by using this switch.

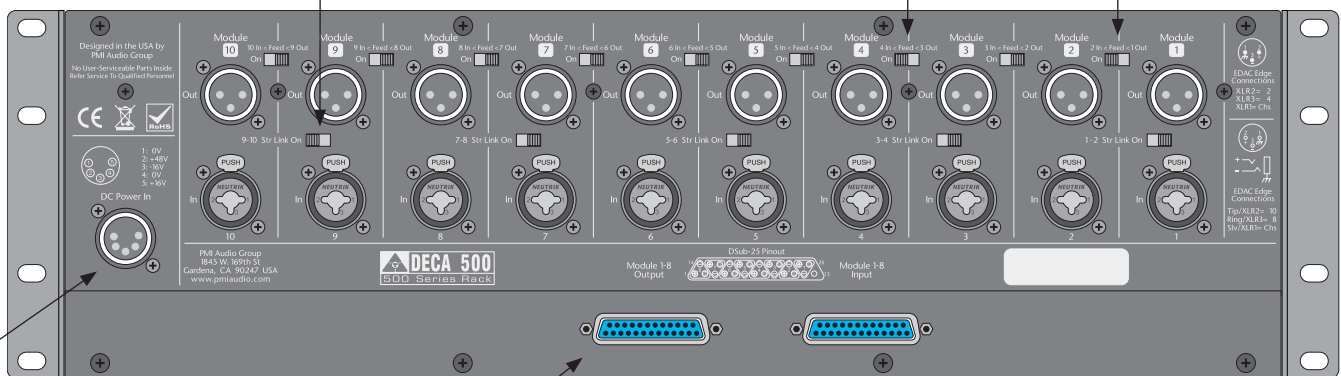
Check your particular modules to identify their capabilities.

These switches (when On) send the Output of the lower-numbered Module to the Input of the higher-numbered Module.

**NOTE:** The Input (combo) XLR is NOT disconnected by this switch, so be sure to unplug any Input cables from the higher-numbered module to prevent any possible signal-shorting.

In the example (shown in the Front View), the Modules in Slot 3 & 4 are tied together with this switch. The output of the 80B-Preamp is fed to the Input of the 80B-EQ. The output of the combined pair (preamp into EQ) is available at the output of Module 4.

In the example (shown in the Front View), the Modules in Slot 1 & 2 are tied together with this switch. The output of the 80B-Preamp is fed to the Input of the 80B-EQ. The output of the combined pair (preamp into EQ) is available at the output of Module 2.



The external power supply connects to this 5-pin XLR connector.

Three DC voltages are provided:  
+16V @ 1.8A  
-16V @ 1.8A  
+48V @ 150mA

ONLY use the supplied Trident power supply for the DECA 500.

The first 8 modules have their Inputs and Outputs connected to these (female) DB-25 connectors.

**NOTE:** These DB-25 connections are in-parallel with the MOdule's XLR connectors. These connectors allow easy-patching to many studio. The pinout follows the Tascam DB-25 Standard.

Compatible cables are available from cable vendors.

#### Governing Laws

If the purchaser acquired a Trident **Deca-Dent® 500 Series** originating from the Trident Audio USA office direct, or through any Authorized US or European Authorized Dealer, then any order or contract to which these terms and conditions apply and all matters arising there under shall be construed according to and governed by the Laws of The State of California, United States.

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