The DCM-2000L series is designed to be a high-efficiency switchmode power amplifier. It features a bridged topology with a high power output of 150W per channel at 4 ohms or 300W at 8 ohms. The unit also includes a soft-start function to prevent tripping AC breakers and a high frequency audio input to protect against overload. The unit is designed to be compact and lightweight, with a net weight of 14 lbs for the 1540L model and 8 lbs for the 3800L model. The power supply is protected by a high-efficient switchmode supply, and the unit is designed to handle both AC and DC power inputs.

The DCM-2000L series also includes a built-in limiter circuit to protect against overload, and the unit is capable of handling up to 8 ohms bridged. The unit also includes a front-panel LED display to indicate the power status and a ground lift switch for use in demanding environments.

Overall, the DCM-2000L series is a high-performance power amplifier designed for use in demanding audio environments. It is ideal for use in live sound applications, recording studios, and other professional audio environments where high power output and reliability are required.
FRONT PANEL

1. MOUNTING
   - The amp requires 2 10-gauge chief speaker cables and accommodates standard 1/4" rack installations. The rack mounting holes are designed on ISO standard spacing. Four 10-32 x 5/8" phillips machine screws are externally inserted through the amp's mounting holes. Rear support brackets are not required.

2. POWER SWITCH
   - Check the power amp AC-making sure the rear plug is fully inserted before engaging the power switch. The blue POWER LED indicates that all circuits are properly powered on.

3. PROTECT LED INDICATOR
   - The RED PROTECT LED provides the operator with information about the status of the amplifier. The blue POWER LED indicates that all circuits are properly powered up. Check the power amp AC making sure the rear plug is fully inserted before engaging the power switch.

4. CHANNEL LEVEL CONTROL
   - LED's will light solid when output power has reached 40% and 80% levels. The RED PROTECT LED provides the operator with information about the status of the amplifier. Occasional sensitivity levels and room locations.

5. CHANNEL SIGNAL INDICATOR, 40% & 80% OUTPUT
   - The RED CLIP LED indicators flash when each channel has reached its maximum output. Occasional short is detected caused by a shorted speaker cable or speaker system. Occasional clipping/square wave will damage the amplifier. Occasional clipping/square wave will damage the amplifier.

6. CHANNEL INPUTS
   - The EUR (4-pin Speakon) inputs and 1/4" TRS inputs are designed on ISO standard spacing. Four 10-32 x 5/8" phillips machine screws are normally used to secure the EUR (4-pin Speakon) inputs and 1/4" TRS inputs to the binding posts. No extra holes are required.

7. CHANNEL PARALLEL INPUTS
   - The front PARALLEL switch connects both channels together from one input. The rear PARALLEL switch connects both channels together from another input. This eliminates Y adapter connections to other amplifiers. The connector passes the signal out for connection to another amplifier's input. (excludes GND LIFT switch, Pin 2: positive balanced signal, Pin 3: negative balanced signal. The THRU XLR connector passes the signal out for connection to another amplifier's input. (excludes)

WARNING
- Do not check in an environment where sound level could damage your ears!

FRONT & REAR PANEL CONTROLS
Two Channel DCM Amplifiers

TYPICAL STEREO SETUP (OR MONO BI-AMP)

1) NO SOUND FROM CH 2: The rear (recessed) BRIDGE switch must be OFF (OUT).
2) LEFT & RIGHT OUTPUTS FROM CH 2: The rear (recessed) BRIDGE switch must be OFF (OUT). The rear PARALLEL switch connects both channels together from another input. This eliminates Y adapter connections to other amplifiers. The connector passes the signal out for connection to another amplifier's input. (excludes)

BRIDGED MONO

1) NO SOUND FROM CH 2: The rear (recessed) BRIDGE switch must be OFF (OUT).
2) STEREO CHANNELS SOUND THE SAME: The rear (recessed) BRIDGE switch has been incorrectly pushed out. To signal socket XLR or 1/4" 2 or 3 cond. shielded cables can be used in the same location (Pin 1: SIGNAL, Pin 2: LIFT, Pin 3: BRIDGE switch OFF). Use either the 4-pin Speakon or 1/4" TRS inputs for high power application. Secure the 4-pin Speakon connection by turning to right the lock position. The center Speakon™ on the 2-channel amps is for the "Bridge" output connection. (or mono bi-amp)

HELPFUL HINTS

1. Use a 1/4" TRS jack (or mono bi-amp)
2. Use either the 4-pin Speakon and 1/4" TRS inputs for high power application. Secure the 4-pin Speakon connection by turning to right the lock position. The center Speakon™ on the 2-channel amps is for the "Bridge" output connection. (or mono bi-amp)

3. If the protected state is a thermal power supply issue or an over current power supply issue, the power fuse is located within the main chassis near the AC connector on the PC card. Normally if the fuse fails, the amp will require service. See specifications chart for fuse values. NOTE: Each amp will require a dedicated circuit breaker for the amp to achieve its full output.