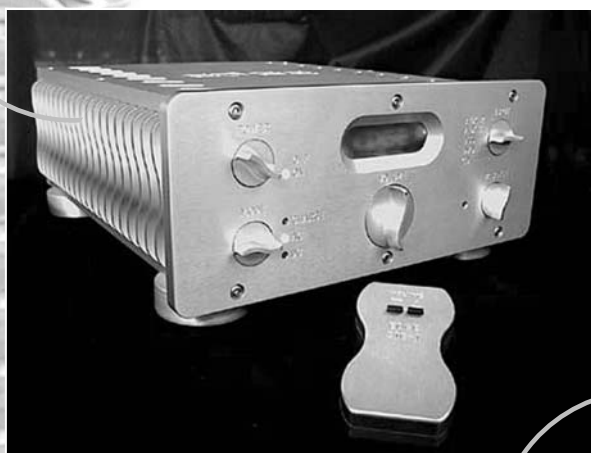


**EDGE
ELECTRONICS**

**LINEAR BY DESIGN
MUSICAL BY NATURE**

Owner's Manual



EDGE Preamplifiers

Signature One Preamplifier.
The following guide will help you use and understand the features of your preamplifier. Also included is technical information necessary to gain the most out of your preamplifier.

Product Overview

The Signature One Preamplifier is unique in that it can operate on AC voltage derived from the wall outlet or DC voltage from its internal gel batteries. It also has the ability to charge its own internal batteries. The benefit of using batteries is that it is true DC; free from the noise and hash that is always present on the AC line. Adding to the Signature Ones uniqueness is that it uses two separate transformers. When in DC mode the audio/main transformer is switched off and the batteries supply all the voltage and current necessary to operate the audio section. One transformer, the "Buck" transformer, supplies voltage to the control board which contain relays, LEDs, and the volume motor. The second transformer, the "Main" transformer, is completely dedicated to the audio portion of the circuit, thus minimizing feedback and noise in the audio output. In addition to the two transformers, the audio stage utilizes three additional regulation stages.

When switching between AC and DC modes, and also when switching the On/Off switch, an output relay switches out the signal for approximately three seconds to allow voltages to settle before resuming play. The transformers in the Signature One are completely isolated in the chassis by a magnetic shield running the length of the chassis. This assures no stray magnetic fields are allowed to jump onto the audio circuit. Where AC is present, it has been wired with shielded cable to again prevent noise from jumping onto the signal.

The Signature One also incorporates a totally separate 6 Channel passive mode that allows the incorporation of a surround processor in your Hi-Fi system. In this mode the preamplifier accepts 6 inputs and 6 outputs which are routed through a 6 channel discrete volume control. The Main output of the preamp is switched between main input jacks and inputs 1,2,3 while in the 2 channel mode.

Always turn the volume all the way down before switching between 2 ch and 6 ch mode, otherwise damage may result.

The 6 channel mode operates from the AC power mode only.

To keep the signal as intact as possible the Signature One only uses one relay in the signal path. All switching is done at the rear input panel by a rotary switch and only the selected signal is allowed to come forward to the audio circuit. This minimizes cross talk and signal degeneration through the use of input relays.

The Signature One uses only RCA type inputs or single ended inputs to preserve the original signal as close as possible through the use of less parts in the signal path. By using balanced line inputs, no matter how good the parts, we still see 2-5% signal degeneration. The fewer the parts in the signal path; typically, the less the original signal will be changed.

Unpacking Your Preamplifier

Thoroughly inspect your preamplifier and packing materials for shipping damage. If you discover any damage, contact your EDGE dealer immediately. We recommend saving the packing materials for future shipment. Your preamplifier has been shipped with a removable power cord and warranty card. Please fill out the warranty card and return it to EDGE.



WARNING!!!

Please remove all packaging, and let your unit sit at room temperature for at least 3 hours before plugging it in or attaching any cables. It should NOT be cold to the touch when you hook it up.

Not doing this may result in damage to your unit!

PreAmplifier Placement

Choose a place that will support the weight of your preamplifier and allow you access to the back for cable connections. Your preamplifier dissipates heat through air circulation and must be kept free of any obstruction that would reduce air flow. Never place your preamplifier on a carpeted surface and always allow at least 2 inches of free space above for ventilation. Also allow adequate clearance for the AC cord and signal cables to bend behind your preamplifier, we recommend leaving at least 6 inches for clearance.



ON / OFF Switch

Mode Switch

Volume Controls

2 Ch / 6 Ch Switch

Selector / Input Switch

On / Off Switch

Located in the upper left side of the face plate.

Switch OFF: Unit is in the stand-by mode, only volume up and down work.

Switch ON: Green light, all mode functions available.

Mode Switch

Located in the lower left side of the face plate.

It has three (3) settings: Charge, AC, and DC. When switching from AC to DC, the output relay will momentarily open to allow voltages to settle before engaging again.

Charge with ON / OFF in the ON position: Green light, unit will charge the internal gel batteries.

AC with ON / OFF in the ON position: Red light, unit will operate in the AC mode. The audio transformer will be switched on, and the power to run the audio circuit will be supplied by the transformer.

DC with ON / OFF in the ON position: Green light, unit will operate in the DC mode. The power to the audio circuit will be supplied by the internal batteries. The volume motor, relays, and LEDs are not run off the batteries in this mode, but are supplied by the Buck transformer.

Selector / Input Switch

Located in the upper right side of the face plate.

It has five (3) settings: 1, 2, 3.

All inputs are of the same type / gain. Therefore, any audio source can be plugged into any input, **except a phonograph** requires a special gain stage. See your dealer for more details.



WARNING!

Never connect or disconnect an Audio Source unless your amplifier and preamplifier are turned off!

2 Channel/6 Channel Switch

Located in the lower right side of the face plate.

This rotary control is used to switch the preamp from 2 channel active mode to 6 channel passive mode.

Volume must be all the way down when switching to or from 2 and 6 channel mode.

2Channel Mode (AC or DC mode)

When in the 2 channel mode the preamplifier can be used in the AC/DC mode for active gain. This mode utilized the inputs marked 1,2,3 on the back panel and then routes the signal to the main outputs. Turn off your processor when in the 2 channel mode otherwise you could have audio going to your center or rear speakers.

6 Channel Mode (AC mode only)

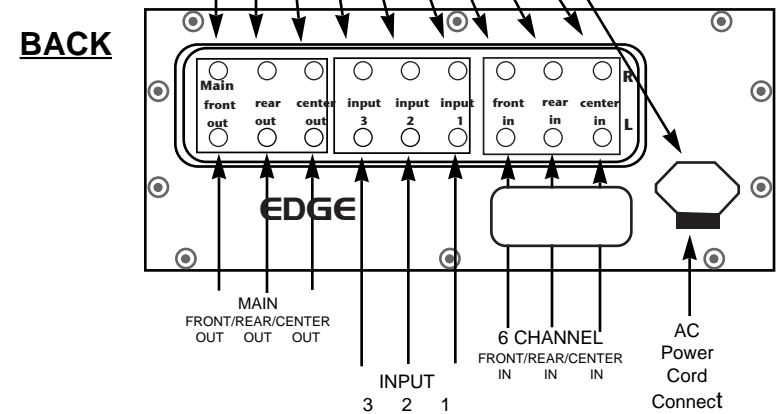
When the preamplifier is switched to 6 channel mode it utilizes the *Front*, *Rear*, and *Center* inputs on the back panel. This mode is passive and does not route through the gain stage of the preamplifier. It is purely passive and goes through the discrete 6 channel volume control. Individual channel gain is set in the surround processor and overall volume level is then done by the preamplifier. The preamplifier automatically switches between the inputs and outputs in this mode. The 6 channel mode is purely passive. There is no need for the DC mode while in the 6 channel mode. When switching out of the 6 channel mode back to 2 channel mode it is **very important** to make sure the volume level is all the way down, otherwise you could damage your speakers or amplifier.

In the 6ch mode the preamplifier can be used as a *Passive Only Preamp* (no gain) by using the *Front* inputs and the *Main Front* outputs on the back panel. Be sure the mode switch is on 6 channel to use it passively.

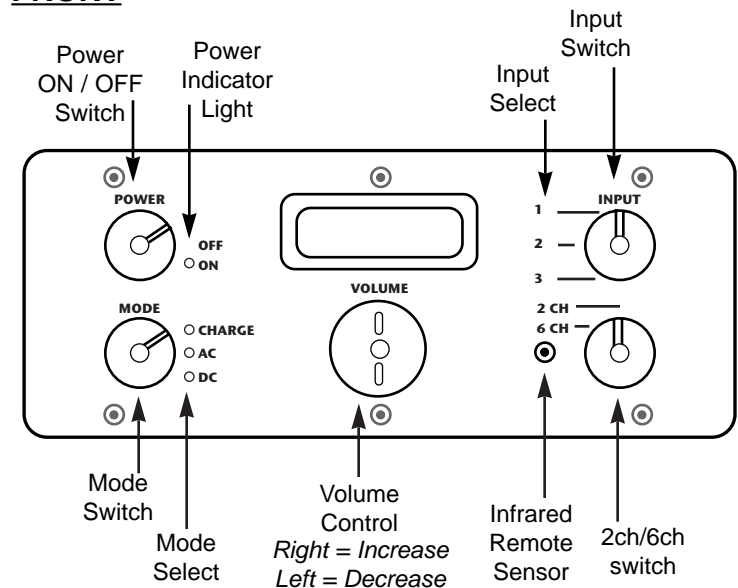
The volume will go up or down from the remote or manually in any mode. **It is very important to turn the volume down before switching to or from 2 or 6 channel modes.**



Back of Signature One PreAmplifier

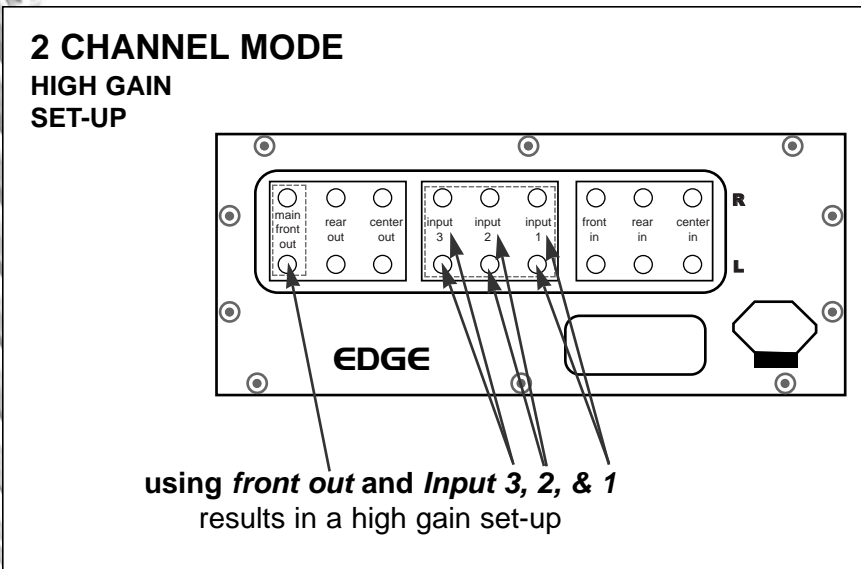


FRONT

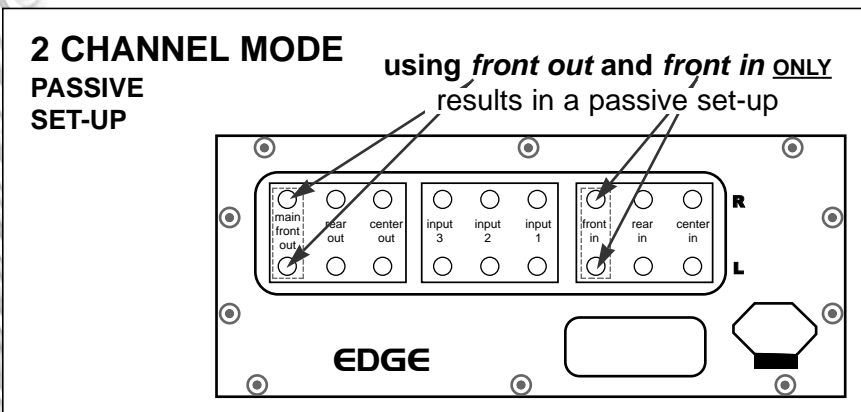


Setup & Cable Connections

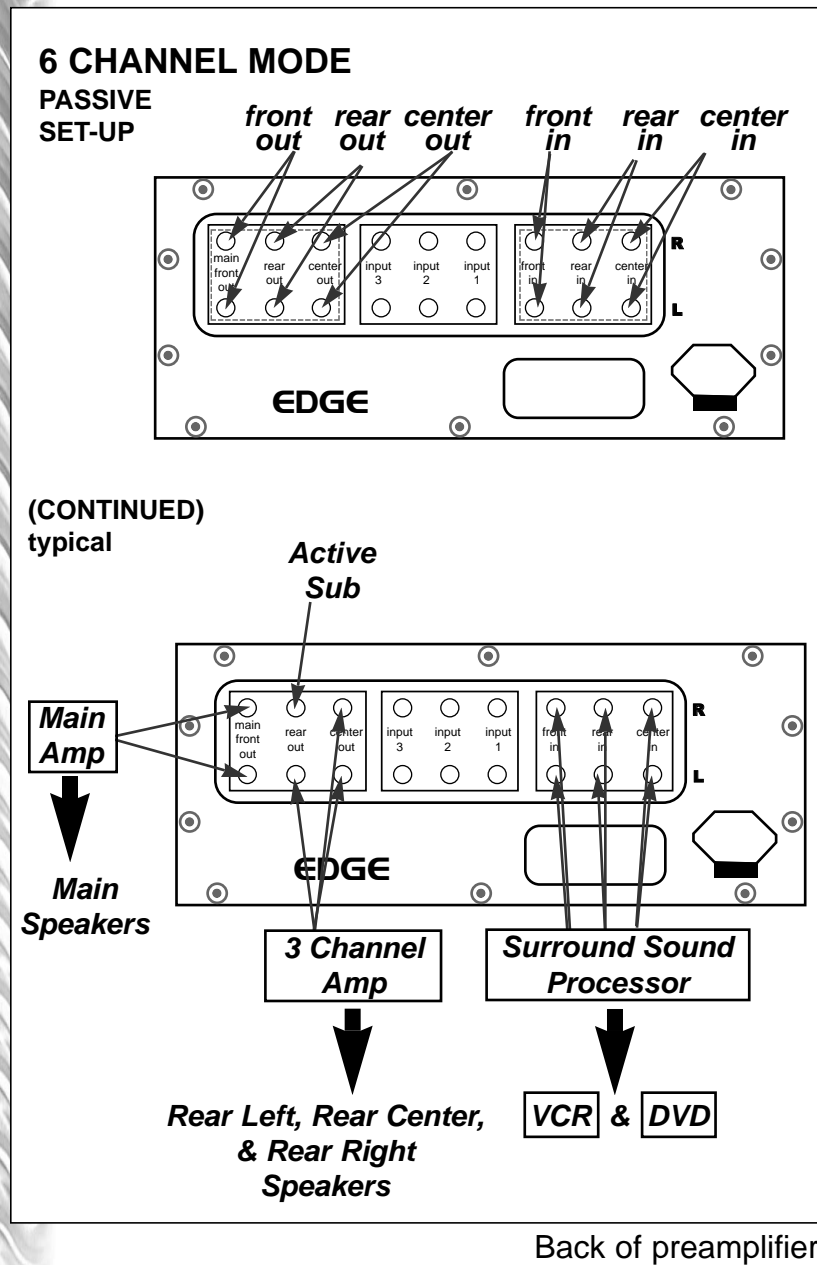
Warning! Always make sure the power switches of your preamplifier, amplifier, and source units are OFF before making or disconnecting ANY connections. Never plug in this unit and any other components until all connections are completed.



Back of preamplifier



Warning! Turn volume all the way down **BEFORE** switching between 2 Channel and 6 Channel Mode.



Turning Unit On & Off

Turning System On

- Step 1** Turn on the source component you are going to use (CD, DVD, DSS, etc)
- Step 2** Select AC/DC operating mode.
- Step 3** Make sure the volume is turned all the way down.
- Step 4** Turn on your EDGE preamplifier.
- Step 5** Turn on your amplifier.
- Step 6** Select the source component on your EDGE preamplifier corresponding to the source you are going to listen to.
- Step 7** Start the source component and slowly turn the volume control up until you hear music. If there is no sound, turn the volume completely down and recheck all connections..

Turning System Off

- Step 1** **ALWAYS** turn off your amplifier **FIRST**, and wait until the power indicator light turns off.



WARNING:

The internal supply capacitors in many amplifiers store large amounts of energy, and can power your amplifier for several minutes, even after the power switch is turned off. Always wait until the power light turns off before proceeding with shut down of the system.

- Step 2** Turn off your preamplifier.
- Step 3** Turn off your source component.

HINT:

If you continue to play music after the amplifier is turned off (STEP 1), until the music fades away, the amplifier will drain of the above mentioned stored energy.

Charging Batteries

The Signature One has two 1.2 amp hour batteries used for the DC mode. The unit can play approximately 12 hours before needing recharging.

After the preamplifier has been initially set up, the batteries need to be charged for the first time. The Signature One PreAmplifier will only charge if the ON/OFF switch is in the ON position and MODE switch is set to CHARGE. You will get a green light. Leave it in this mode for 24 hours to initially charge the batteries.

EDGE recommends charging the batteries once a week for approximately 2 to 3 hours for normal use (1 to 2 hours per day listening). If batteries have sat for extended lengths of time, unused and uncharged, it may be helpful to charge them overnight, 10-12 hours, before use. The internal charger limits the charge to approximately 100 milliamp, then after charging for 2-3 hours, it will go into trickle charge at 50 milliamp. The batteries should not require any additional maintenance beyond the occasional recharging.

Specifications

- Two Toroid transformers - 100 VA Buck and 300 VA Audio
- Two full wave bridge rectifiers - 28,000 uF capacitance
- Three regulation stages - (+/- 24 Volt) (+/- 18 Volt) (+/- 15 Volt)
- Two 12 Volt Gel type 1.2 amp hour batteries
- One Volume control - DACT 6 channel
- One On/Off selector
- One Mode selector - Charge, AC, and DC
- One 2 channel/ 6channel control
- One 3 position input control with two universal joints and two nylon bearings
- Gain - 21db
- S/N - 87db
- Slew rate - 100volt uS
- Input - single ended RCA type
- Out put Impedance - 50 ohm
- Frequency Response - 5Hz - 300,000Hz + / - .1db
- Distortion - .005 %
- Intermodulation Distortion - .007 %
- One Infrared remote control for volume up and down

General Rules of Operation

Never operate your preamplifier in a damp or wet location.

Never expose the unit to fluids. If the unit gets wet, IMMEDIATELY unplug the unit FROM THE WALL, and call your EDGE dealer.

Never operate your preamplifier during an electrical storm.

If your preamplifier has been exposed to cold temperatures, allow it to warm up before turning it on.

Never apply liquid cleaners directly to your preamplifier. (See care and maintenance section)

Never attempt to open or service your preamplifier. If a problem occurs, contact your EDGE dealer immediately.

Never replace fuse with a type or value different than those specified. (Fuse is located in AC receptacle)

Never bypass any fuses.

Always turn the volume down on your preamplifier before selecting a new source.

Always disconnect your entire system from the AC power before connecting or disconnecting any cables, components or when cleaning.

Always keep electrical components away from children and pets.

If you have any questions about your preamplifier that is not addressed here, please contact your EDGE dealer.

Care & Maintenance

To remove dust from your preamplifier, use a feather-duster or lint-free soft cloth. To remove dirt and fingerprints, use a standard non abrasive liquid household cleaner and a soft cloth. Slightly dampen the cloth first and then lightly clean the surface. Never spray or apply the cleaner directly to the preamplifier. Be sure the cloth is DAMP and not saturated to prevent dripping the cleaner into the preamplifier.

Limited Warranty

EDGE components are warranted to be free from defect in material and workmanship under normal use, for a period of two (2) years, to the original consumer purchaser, from the date of purchase. During the warranty period, and upon proof of purchase, any EDGE component exhibiting defects in materials and/or workmanship, will be repaired or replaced, at our option, without charge for either parts or labor, at our factory. The warranty will not apply to an EDGE component that has been abused or altered.

Any EDGE component not performing properly may be returned (freight prepaid) to the factory for evaluation. The factory will pay for shipping charges to return the unit only in the event that the component is found to be defective as above mentioned. Other stipulations may apply to shipping charges.

Neither this warranty, nor any other warranty including any implied warranties, shall extend beyond the warranty period. No responsibility is assumed for any incidental or consequential damages.



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