



# SL/LD

**MULTI GAIN**

PRE - AMPLIFIER

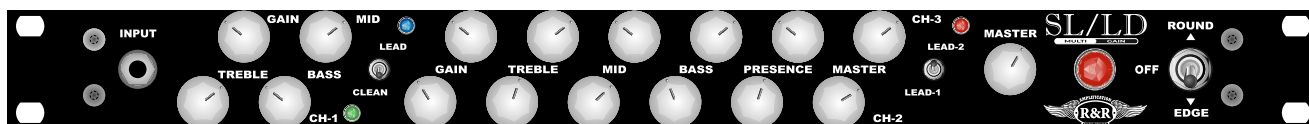
**MANUAL**

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# R&R SL/LD MultiGain PRE-AMPLIFIER. OVERVIEW

The SL/LD MultiGain model 3-channel guitar preamp is designed with five 12AX7 tubes. It has a rack design (1 unit high) and is convenient for use both in the studio and in concert activities, easy to use. It has a wide range of sound adjustment that allows everyone to find their own unique sound.



- all-tube sound path (5 tubes 12AX7) with the ability to use tubes from different manufacturers separately for clean and overdrive sound;
- 3 completely independent channels: CH-1 CLEAN (clean channel), CH-2 LEAD 1 (overdrive channel) and CH-3 LEAD 2 (drive channel). Channel switching is carried out both on the front panel and from the 2-button foot controller that comes with the preamplifier;
- FX LOOP tube effects loop with a choice of operating modes (serial or parallel), switching on / off separately for clean / drive channels, control from a two-button foot controller, softening the sound of transistor and digital processing due to the use of a 12AX7 lamp in the circuit;
- A250K / A1M mode GAIN control for channel CH-3 (LEAD-2). The A250K has a more punchy sound with more pronounced low frequencies. A1M has balanced high and low frequencies;
- connecting to the instrument input of a guitar amplifier (as an effects pedal), to the RETURN of a guitar amplifier, or to a final power amplifier (as a preamp);
- built-in speaker simulator for line connection and recording devices;
- dedicated headphone output.

# R&R SL/LD MultiGain PRE-AMPLIFIER. OVERVIEW

## **CH-1 CLEAN (clean channel):**

The "GAIN" control plays a key role here, and at low values the sound is well suited for playing picks, drumming rhythms, etc., while at high values there is a "glass" - a crystal clear, transparent sound suitable for blues solos. When using powerful humbuckers and the GAIN control close to the maximum, you can get a slight crunch. Excellent channel dynamics allows you to highlight the solo with a simple increase in attack. There is a 3-band pre-gain EQ for fine-tuning the sound.

## **CH-2 LEAD-1 (overdrive channel):**

Quite significantly overloads the sound. Suitable for playing blues, hard rock and heavy metal from the 70s and 80s. Works well in other styles that don't require hi-gain overdrive. Transparent, warm, overtone-rich sound, harmonics "shoot" from under the fingers even at low levels of the GAIN control. The BRIGHT switch will add "glass" to your solos, and the rhythm will sound sharper. The presence of a 3-band post-gain EQ and a PRESENCE control allow you to create a wide palette of sounds.

## **CH-3 LEAD-2 (drive channel):**

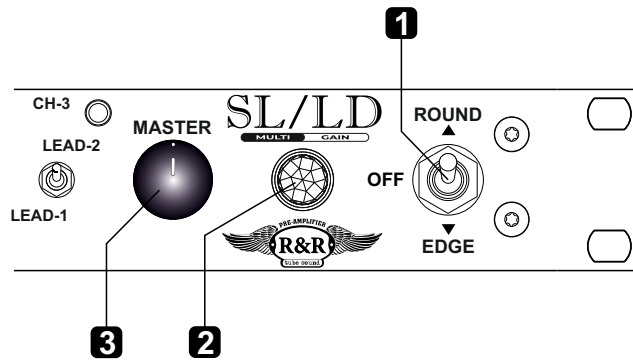
Very dense, aggressive, heavy and fat HI-GAIN overdrive - "that" Californian sound. The stock of gain is incredible. The warmth and compression of the tube is excellent. The sound is very versatile and is well suited for both GARY MOORE's stringy solos and the tight rhythm of the heaviest styles. Good readability in low tunings. There is a 3-band EQ located after the gain. The PRESENCE control will make your part stand out in the mix.

# PRECAUTIONARY MEASURES

- have the appliance repaired only by qualified personnel.
- operation is allowed only under strict observance of all instructions and recommendations set out in this manual.
- do not store or operate the instrument in high humidity environments.
- do not place the device in direct sunlight or near heating devices.
- do not operate the device without reliable grounding.
- when connecting to the mains, make sure that the voltage meets the power supply requirements of the device (indicated on the nameplate or on the cover of the device).
- in the event of a fire, unplug the power cord from the appliance.
- reconnection of cables is carried out only when the equipment is turned off.
- do not use excessive force when using the switches and controls.
- avoid touching the heated lamps of the device.
- turn off the device before replacing the lamps; the cooled lamp must be removed from the base by slightly rocking in different directions.
- when replacing lamps, install only serviceable lamps of the appropriate type and in their respective sockets.
- do not use solvents to clean the body of the instrument, use a clean, dry cloth for this.
- If the device is not used for a long time, it must be disconnected from the mains.

# FRONT PANEL CONTROLS

turn on / turn off



## 1 POWER ROUND/OFF/EDGE

Modes:

**ROUND** - more viscous, compressed sound.

**OFF** - turned off.

**EDGE** - sharper, sharper sound.

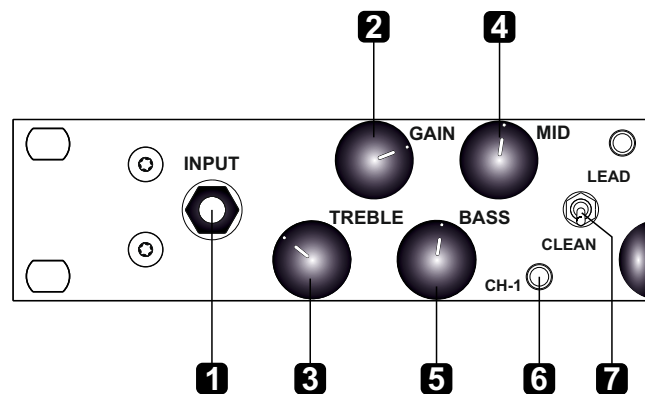
## 2 POWER LED

Red glow power indicator.

## 3 MASTER

Output level control (setting the overall signal level for the three channels).

channel **CLEAN CH-1**



## 1 INPUT

Instrument input for connecting a guitar.

## 2 GAIN

Control of the overall gain and sensitivity of the first channel.

## 3 TREBLE

Control of the amount of high frequencies in the signal for the first channel.

## 4 MID

Control of the number of mid frequencies in the signal for the first channel.

## 5 BASS

Control of the amount of low frequencies in the signal for the first channel.

## 6 CLEAN LED

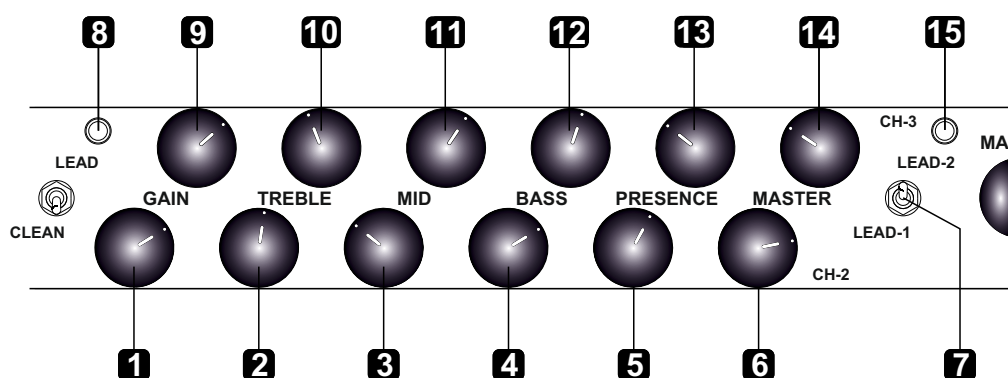
Green indicator of activity of the first channel (CLEAN CH-1).

## 7 CLEAN / LEAD

Select whether the CLEAN channel (CH-1) or LEAD channels (CH-2 and CH-3) are active.

# FRONT PANEL CONTROLS

## channels LEAD CH-2 и CH-3



### **1 9 GAIN**

Controls the overall gain and sensitivity of the second channel LEAD-1 CH-2 and the third channel LEAD-2 CH-3 respectively.

### **2 10 TREBLE**

Controls the amount of high frequencies in the signal for the second channel LEAD-1 CH-2 and the third channel LEAD-2 CH-3 respectively.

### **3 11 MID**

Controls the amount of mid frequencies in the signal for the second channel LEAD-1 CH-2 and the third channel LEAD-2 CH-3, respectively.

### **4 12 BASS**

Controls the amount of low frequencies in the signal for the second channel LEAD-1 CH-2 and the third channel LEAD-2 CH-3, respectively.

### **5 13 PRESENCE**

Transparency control for the second channel LEAD-1 CH-2 and the third channel LEAD-2 CH-3 respectively. Allows you to control higher frequencies than the TREBLE control.

### **6 14 MASTER**

Master volume for the second channel LEAD-1 CH-2 and the third channel LEAD-2 CH-3 respectively.

### **4 LEAD-1 / LEAD-2 (CH-2/CH-3)**

Selects the activity of the LEAD-1 CH-2 channel and the LEAD-2 CH-3 channel.

### **8 “LEAD-1” LED**

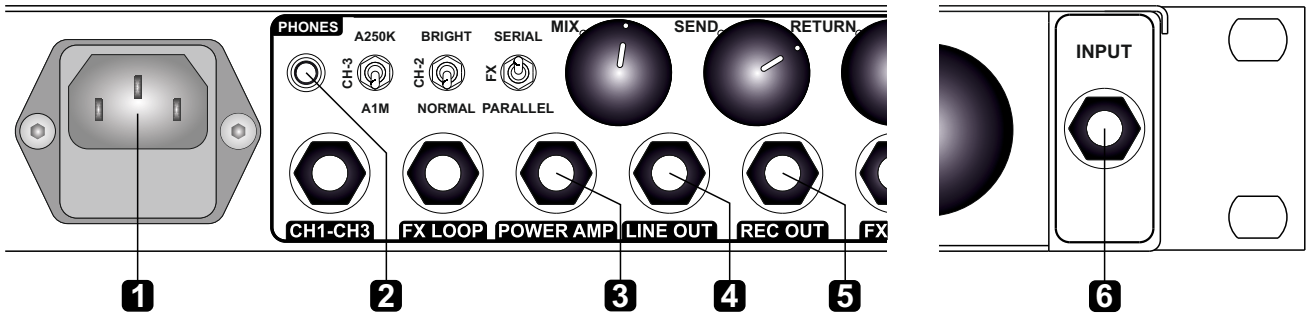
Blue glow indicator of activity of the second channel LEAD-1 CH-2.

### **15 “LEAD-2” LED**

Indicator of red glow of activity of the third channel LEAD-2 CH-3.

# BACK PANEL CONTROLS

## network connection, input / outputs



### 1 AC 110V or 230V

Connection to network ~110 Volts (~230V).

### 2 PHONES

Headphone output.

### 3 POWER AMP

Output for connecting to the input of a power amplifier.

### 4 LINE OUT

LINE OUT for connecting to the instrument output or FX RETURN loop return of a combo amp. Designed for switching with more sensitive outputs compared to the signal from the POWER AMP output.

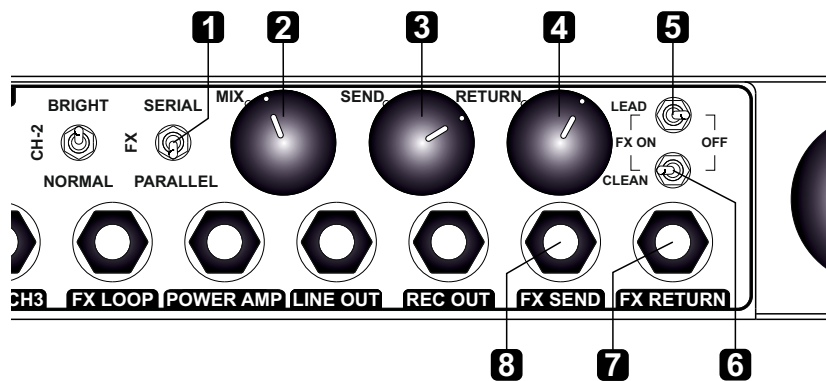
### 5 REC OUT

Output from the speaker simulator for connection to a mixer, to recording devices or to a computer sound card. Designed for recording with stack sound emulation.

### 6 INPUT

Instrument INPUT input for connecting a guitar.

## FX LOOP



### 1 SERIAL / PARALLEL

Switches from SERIAL FX LOOP to PARALLEL FX LOOP and vice versa.

### 2 MIX

Controls the amount of signal processed in the FX LOOP in the overall mix in relation to the unprocessed signal.

### 3 4 SEND | RETURN

Controls the level of the signal sent by SEND to and returned by RETURN from the FX LOOP.

### 5 6 LEAD | CLEAN ON/OFF

Turns the effects loop on/off for the LEAD channels CH-2 and CH-3 and the clean channel CLEAN CH-1 respectively.

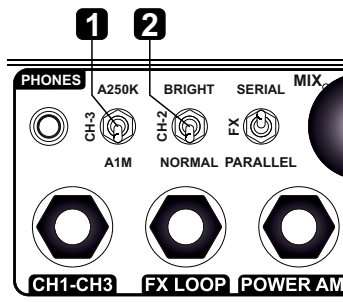
### 7 8 FX SEND | FX RETURN

SEND and RETURN jacks for connecting external effects.



# BACK PANEL CONTROLS

modes **BRIGHT / NORMAL** second channel,  
modes **A250K / A1M** third channel



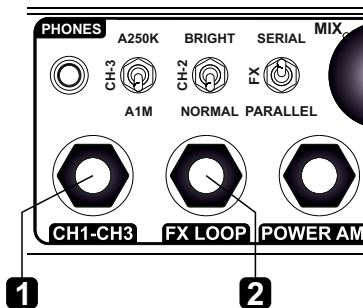
## 1 A250K / A1M

Controls the GAIN knob for the third channel CH-3 LEAD-2. Switch between A250K and A1M modes.

## 2 CH-2 BRIGHT / CH-2 NORMAL

Switches between BRIGHT and NORMAL modes for the second channel CH-2 LEAD-1. The BRIGHT mode adds brightness to the sound, unlike the NORMAL mode.

## external preamp control



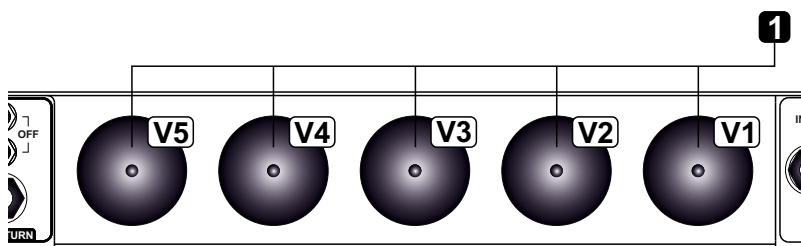
## 1 2 FSW CH-1, CH-2, CH-3 | FSW LOOP

Selects the activity of the CLEAN, LEAD-1, or LEAD-2 channels and controls the FX LOOP (on/off) with external 2-button foot controllers FSW CH-1, CH-2, CH-3 and FSW LOOP respectively.



The delivery set includes only the FSW CH-1, CH-2, CH-3 channel control controller and its execution is not specified in this manual.

## type, location and purpose of lamps



**V1** Channel input CH-1 CLEAN

**V2** Channel input CH-2 LEAD-1 and CH-3 LEAD-2

**V3 V4** Channels CH-2 LEAD-1 и CH-3 LEAD-2

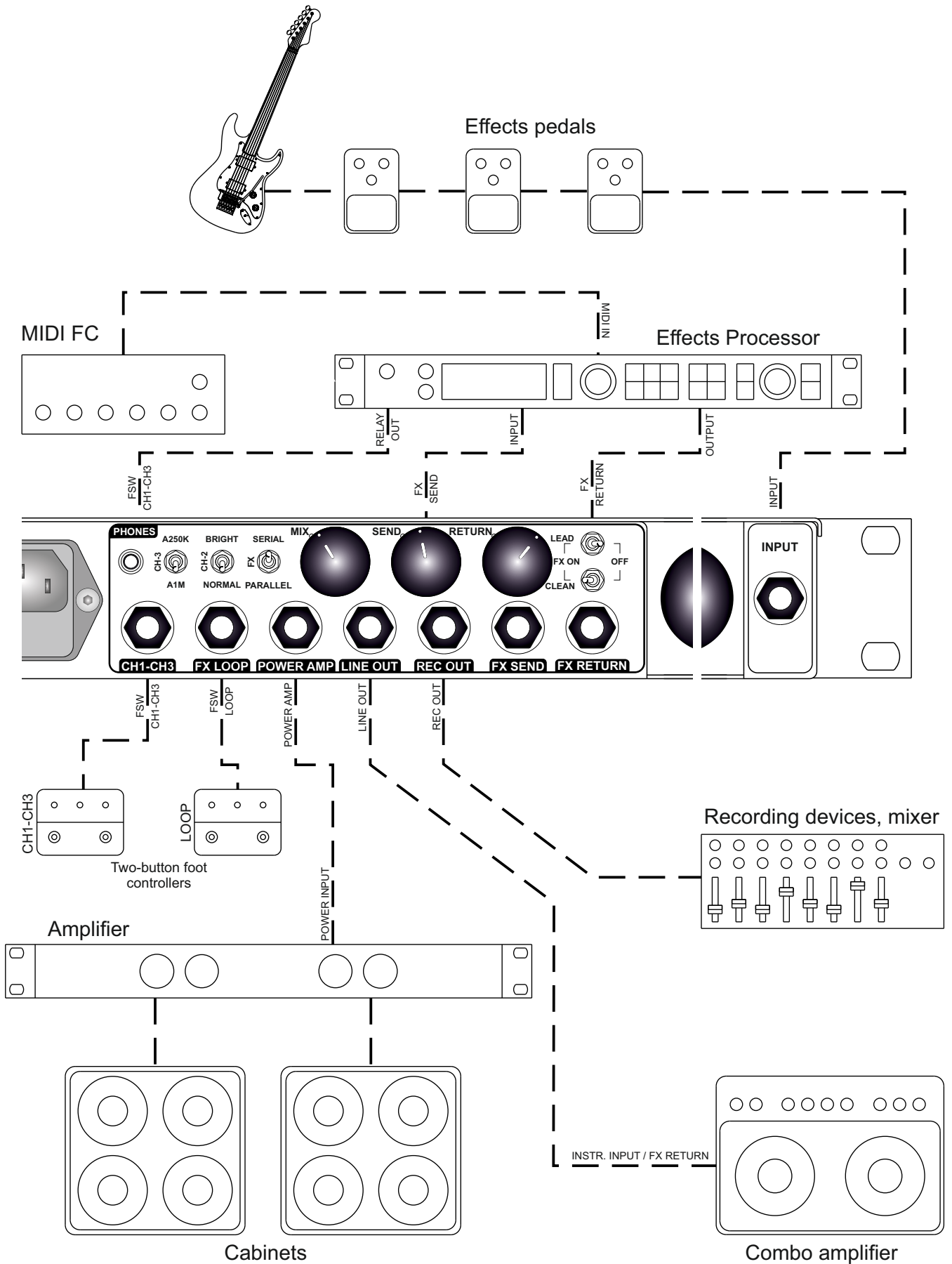
**V5** FX LOOP

## 1 Tubes 12AX7 (V1...V5)

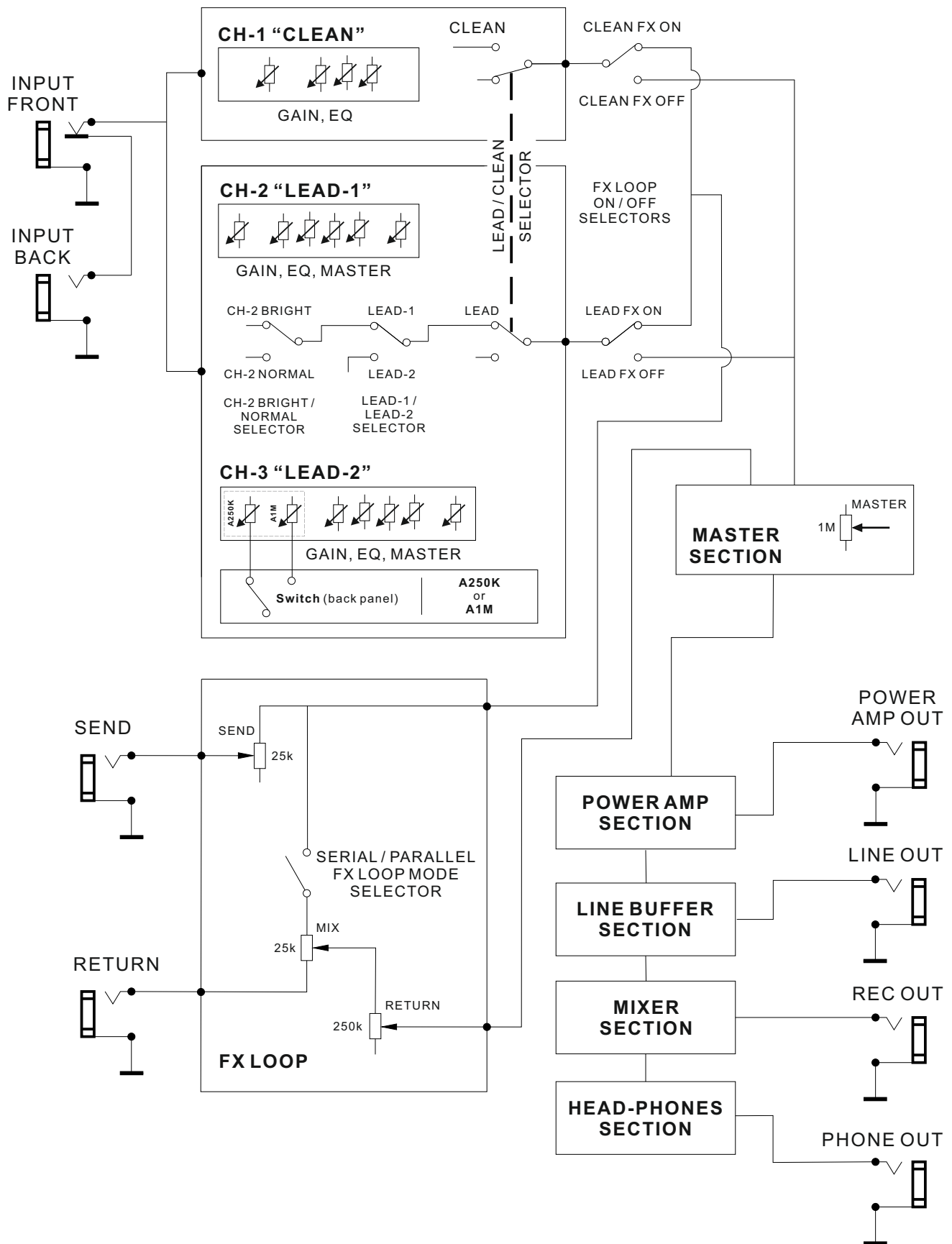


ATTENTION! Turn off the power before replacing lamps.  
The cooled lamp must be removed from the base by slightly rocking in different directions.  
When replacing lamps, install only serviceable lamps.

# WIRING SCHEMES



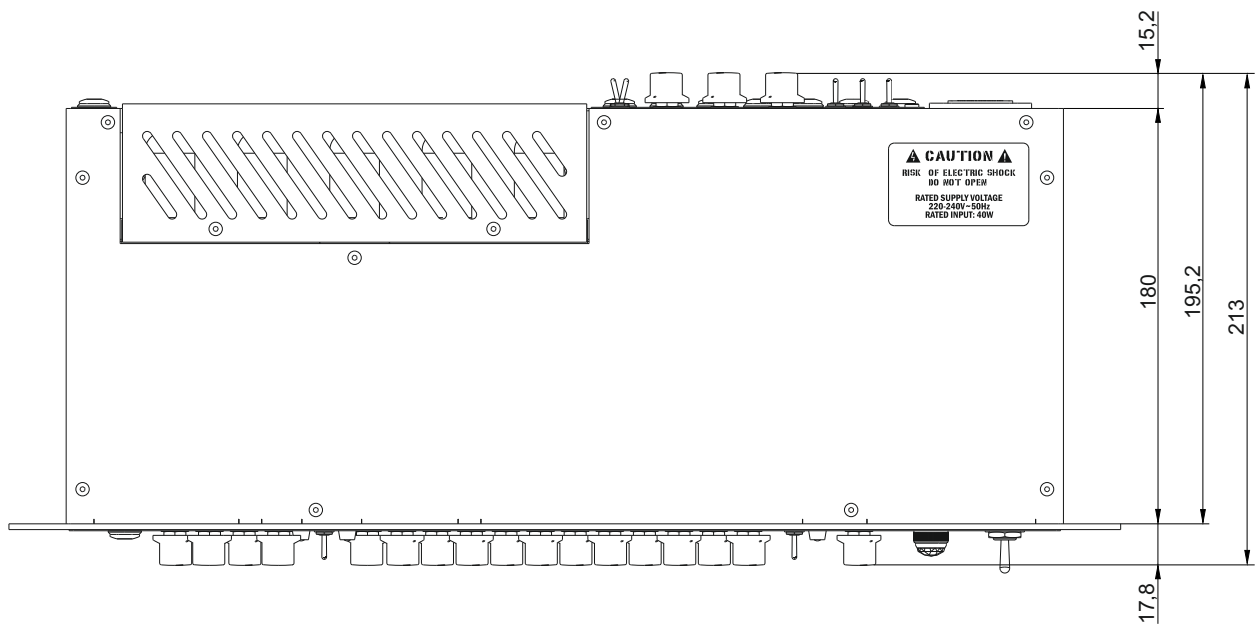
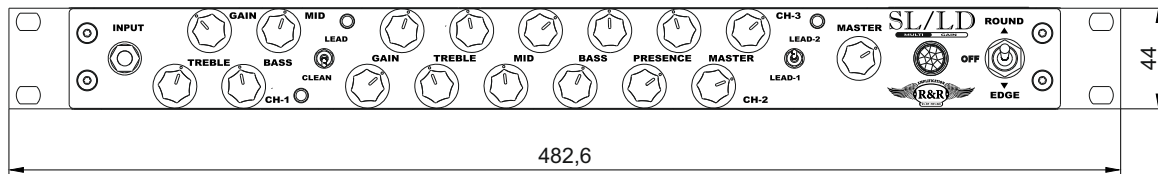
# PREAMPLIFIER ELECTRICAL BLOCK SCHEMES



Only one of the inputs must be used  
INPUT FRONT or INPUT BACK

# SPECIFICATIONS

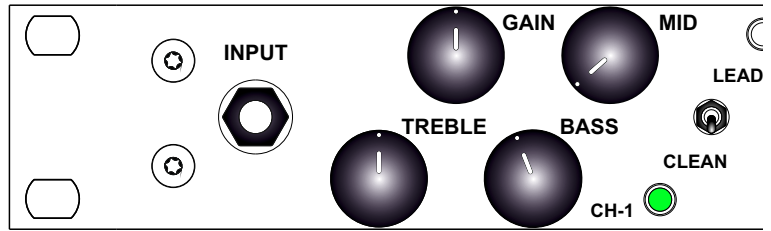
- input impedance: 1 megaohm
- output impedance: 25 kilohm (at maximum output signal level)
- power consumption: 40 Whatts
- mass: 4,3 kg
- height: 1U (one rack space)
- depth: 180 mm



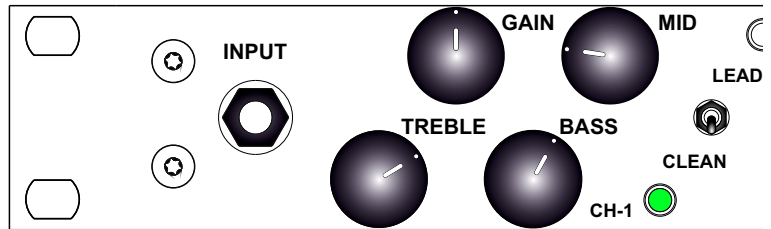
# EXAMPLES OF FACTORY PRESETS

channel setting CH-1 CLEAN

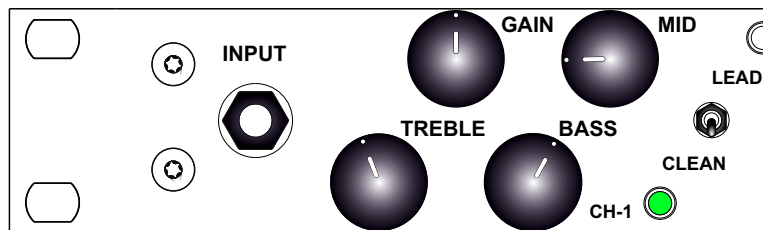
*Transparent and clean*



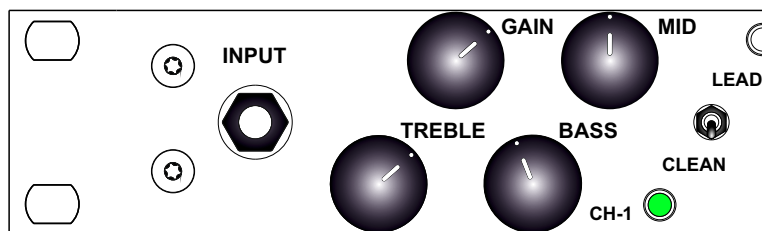
*Voiced*



*Warm and round*



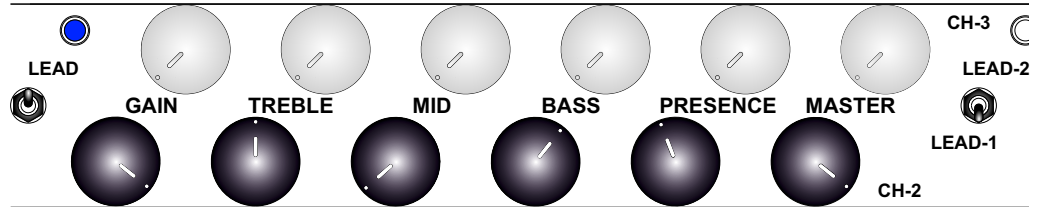
*Rhythm / Blues solo*



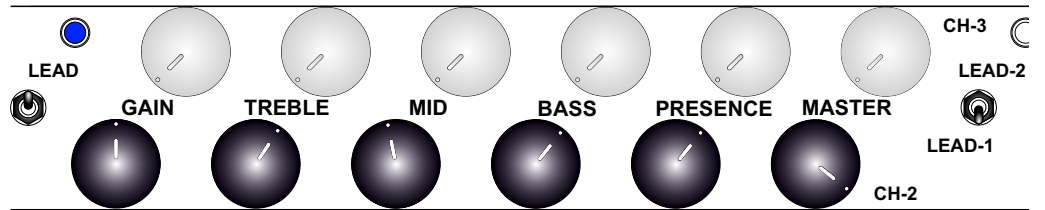
# EXAMPLES OF FACTORY PRESETS

channel setting CH-2 LEAD-1

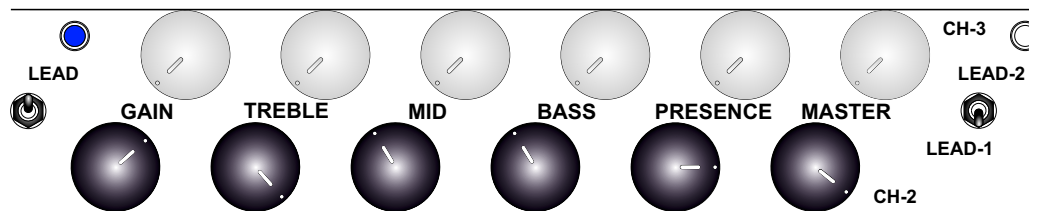
**Blurry**



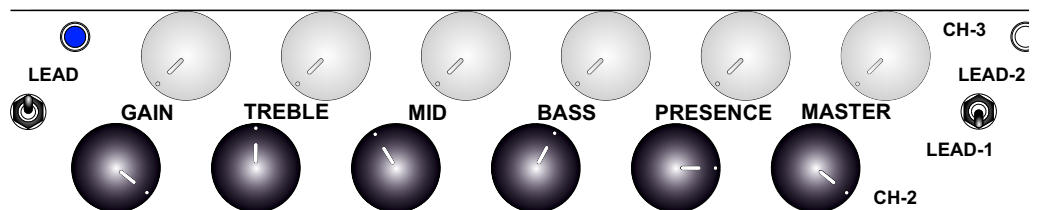
**Blues**



**Rhythm / Crunch**



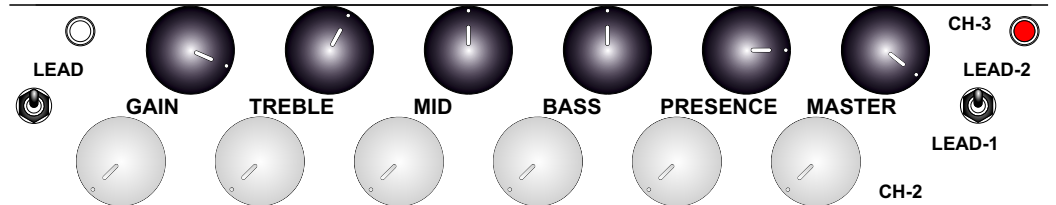
**Solo**



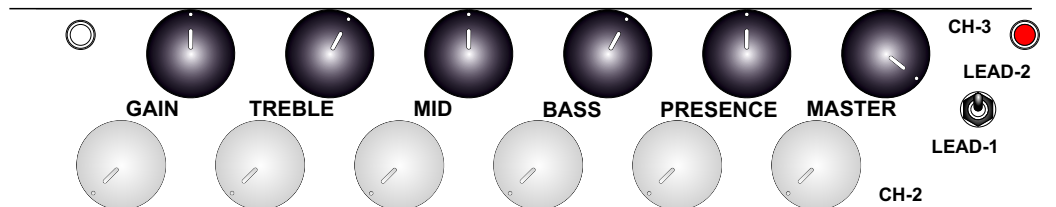
# EXAMPLES OF FACTORY PRESETS

channel setting CH-3 LEAD-2

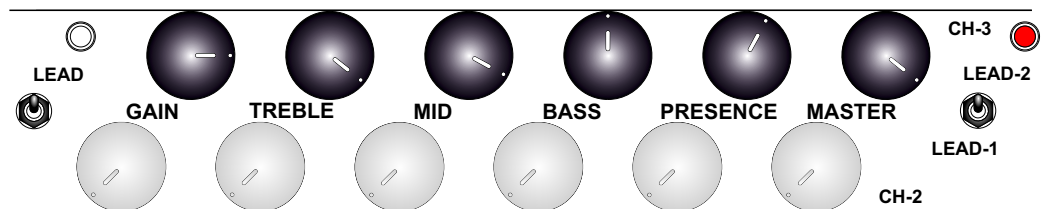
**Solo**



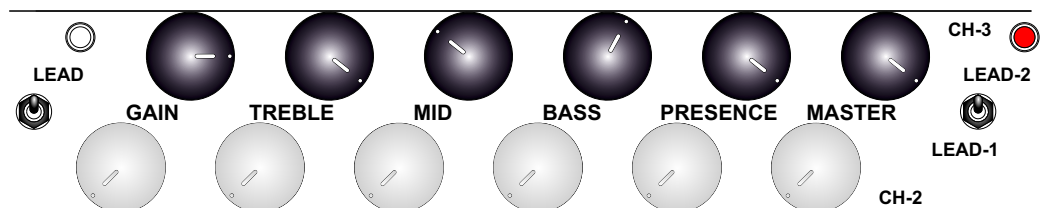
**Rock**



**Metal #1**



**Metal #2**



**SUPPORT AND  
ORDER INFORMATION**

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P R E - A M P L I F I E R

**SL/LD**

MULTI GAIN

**MANUAL**