



# **YELLOW BLENDER**

Class-A preamplifier  
for acoustic amplifiers and not only...

# INTRODUCTION

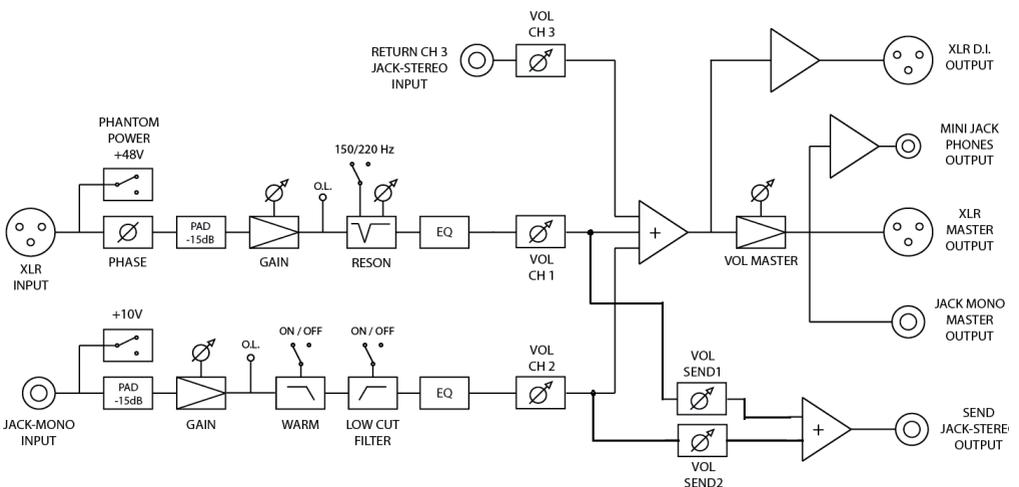
YELLOW has been developed with the purpose of improving design and performances of the previous Pre-A series preamplifiers and offering to the musician all that can be necessary for his needs.

Yellow offers:

- modern and sophisticated design, build in a robust and light aluminum.
- maximum three input channels for all kind of microphones and pick-ups
- maximum four output lines with multiple connections
- headphones output
- send&return for effect loop
- four band eq for the two main channels to ensure wide range of tonal controls
- hi-end pure class A electronics for the best possible sound performance

Every single section has been thought and engineered to ensure the maximum potential from any kind of sound source.

## BLOCK DIAGRAMS



## FRONT PANEL

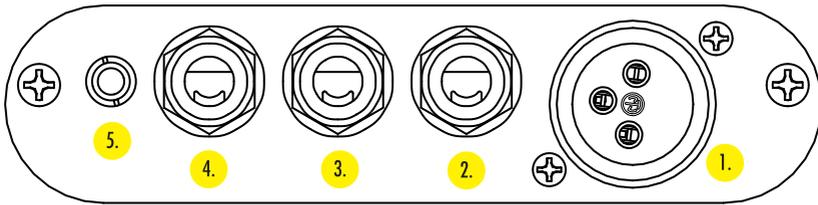
1. **MIC-IN:** enables the connection of a condenser microphone or a dynamic microphone (if necessary, press the 48V button to power the microphone).

2. **LINE-IN:** enables the connection of guitars equipped with SCHERTLER LYDIA or STAT-Series systems, electric guitars and bass guitars (if necessary, press the 10V button to power the microphone).

3. **SEND:** enables you to send your signal to an external device. Adjust output volume using the SEND-VOL potentiometers on both channels.

4. **RETURN:** enables the connection of any external audio control effect. Use the RETURN potentiometer to adjust the volume of the return channel.

5. **PHONES:** enables the connection of your headphones with a 3.5mm mini-jack connector.



## REAR PANEL

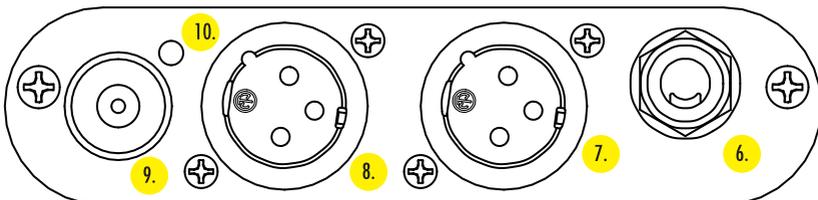
6. **MASTER-OUT UNBALANCED:** signal can be sent to an active loudspeaker or/and to another device. The output volume depends on both potentiometers VOLUME and MASTER-VOL: use the last one to adjust only the volume to be sent to the speakers and leave the other settings unchanged.

7. **MASTER-OUT BALANCED:** signal can be sent to an active loudspeaker or/and to another device. The output volume depends on both potentiometers VOLUME and MASTER-VOL: use the last one to adjust only the volume to be sent to the speakers and leave the other settings unchanged.

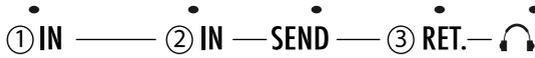
8. **DI-OUT:** signal can be sent to external systems, for example to another mixer. If you wish to record your music, connect your recorder to the same output and start recording.

9. **DC 24V:** Power supply plug-in connector.

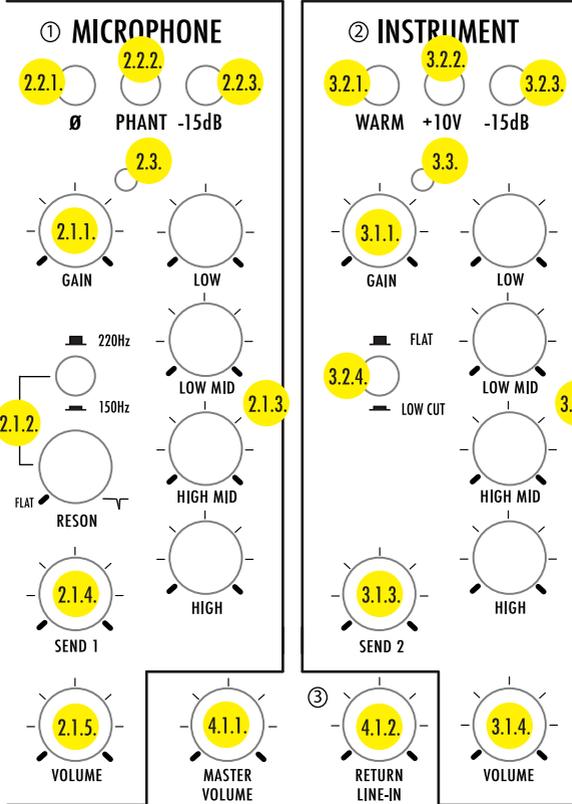
10. **Power supply LED:** indicates when the preamp is ON



# PREAMP OVERVIEW



**SCHERTLER**  
schertler.com swiss made



**YELLOW** ACOUSTIC CLASS-A BLENDER

DC 24V POWER SUPPLY — DI OUT —10dB MODE — MASTER OUTPUTS — BALANCED — UNBALANCED

# CONTROLS - MICROPHONE CHANNEL 1

## POTENTIOMETERS:

### 2.1.1. GAIN

This variable gain preamplifier adjusts the sensitivity level to ensure the best possible processing of the signal through the channel. It is important that this input level is set and optimised in the best way to achieve the cleanest sound possible.

### 2.1.2. RESON

The Resonance (notch) filter cuts the frequency of 150Hz / 220Hz, to reduce low-frequency feedback.

- Left: no attenuation (flat)

- Right: maximum attenuation

Use the reson switch to select the resonant frequency of the instrument (150Hz / 220Hz).

### 2.1.3. HIGH, HIGH MID, LOW MID, LOW

These controls are dedicated for high, mid and low frequency regulation. Offering cut and boost of +/- 15dB, they allow a wide range of tonal variations to be explored. When the controls are positioned centrally there is no cut or boost of the selected frequency band.

### 2.1.4. SEND 1

This rotary control sets the output level on the SEND OUT.

### 2.1.5. VOLUME

This rotary control regulates the channel volume. It effects: SEND 1, DI-OUT, MASTER-OUT, PHONES.

## SWITCHES:

### 2.2.1. Ø (PHASE)

In case of feedback, or unwished effects between different channels use the phase reverse switch!

### 2.2.2. PHANT (48V)

Phantom power supplies the XLR connector with 48V for powering condenser microphones.

### 2.2.3. -15dB (PAD)

If the input signal from jack input is too powerful and you have overloads, use the PAD switch to have 15dB reduction.

## LEDS:

### 2.3. OVERLOAD

This LED (when lit) indicates that the level of the input signal is too high so it might introduce distortions.

# CONTROLS - INSTRUMENT CHANNEL 2

## POTENTIOMETERS:

### 3.1.1. GAIN

This variable gain preamplifier adjusts the sensitivity level to ensure the best possible processing of the signal through the channel. It is important that this input level is set and optimised in the best way to achieve the cleanest sound possible.

### 3.1.2. HIGH, HIGH MID, LOW MID, LOW

These controls are dedicated for high, mid and low frequency regulation. Offering cut and boost of +/- 15dB, they allow a wide range of tonal variations to be explored. When the controls are positioned centrally there is no cut or boost of the selected frequency band.

### 3.1.3. SEND 2

This rotary control sets the output level on the SEND OUT.

### 3.1.4. VOLUME

This rotary control regulates the channel volume. It effects: SEND 2, DI-OUT, MASTER-OUT, PHONES.

## SWITCHES:

### 3.2.1. WARM

When engaged, this low-pass filter damps higher frequencies to produce a warmer sound when using bridge-mounted pickups such as Schertler STAT-series transducers for violin, cello and double bass.

### 3.2.2. 10V

Phantom power supplies the jack connector with 10V for powering electret microphones and Schertler Stat, basik and Lydia series.

### 3.2.3. -15dB (PAD)

If the input signal from jack input is too powerful and you have overloads, use the PAD switch to have 15dB reduction.

### 3.2.4. LOW CUT

The low cut switch cuts the frequencies below 120Hz.

## LEDS:

### 3.3. OVERLOAD

This LED (when lit) indicates that the level of the input signal is too high so it might introduce distortions.

# CONTROLS - MASTER

## MASTER SECTION:

### 4.1.1. MASTER-VOLUME

This rotary control regulates the master volume, on which depend: MASTER-OUT, PHONES.

### 4.1.2. RETURN LINE-IN

This rotary control sets the input level on the RETURN input channel.

## TECHNICAL SPECIFICATIONS

### 6.1. ENCLOSURE SECTION

Construction: Anodized aluminum box  
Weight: 400 g  
Dimensions: 200 cm x 108 cm x 38 cm

### 6.2. INPUTS

#### MIC-IN

Connector: XLR balanced  
Sensitivity: -56 dB  
Impedance: 4.7 kohm

#### STAT-IN

Connector: JACK 6.3 mm unbalanced  
Sensitivity: -52 dB  
Impedance: 3 kohm / 300 kohm

#### RETURN

Connector: JACK 6.3 mm balanced  
Sensitivity: -30 dB  
Impedance: 22 kohm

### 6.3. EQUALIZER

#### LOW (Shelving)

+15/-23 dB @ 60 Hz

#### LOW-MID (Peaking)

+12/-12 dB @ 300 Hz

#### HIGH-MID (Peaking)

+12/-12 dB @ 1.3 kHz

#### High (Shelving)

+23/-23 dB @ 12 kHz

### 6.4 FILTER

RESON (Notch filter)  
-20 dB @ 150 Hz or 220 Hz

#### WARM

Type: 1st order Low Pass Filter  
Cut frequency (-3 dB): 2 kHz

#### LOW CUT

Type: 2nd order High Pass Filter  
Cut frequency (-3 dB): 120 Hz

#### DI-OUT

Connector: XLR balanced  
Level: 0 dBu  
Impedance: 100 ohm

### 6.5 OUTPUTS

#### SEND

Connector: JACK 6.3 mm balanced  
Level: +5 dBu  
Impedance: 100 ohm

#### DI-OUT

Connector: XLR balanced  
Level: 0 dBu  
Impedance: 100 ohm

#### MASTER-OUT

Connector: XLR balanced  
Level: +20 dBu  
Connector: JACK 6.3 mm unbalanced  
Level: +14 dBu  
Impedance: 100 ohm

#### PHONES

Connector: JACK 3.5 mm  
Level: +10 dBu  
Impedance: 10ohm





ALL SCHERTLER® PRODUCTS ARE COVERED BY A LIMITED TWO-YEAR WARRANTY (FROM THE DATE OF PURCHASE) AGAINST MANUFACTURES DEFECTS. DETAILS CAN BE OBTAINED FROM YOUR LOCAL DEALER/REPRESENTATIVE. SCHERTLER SA STRONGLY BELIEVES IN "COMMON SENSE" AND THUS, MISUSE OF OUR PRODUCTS ARE NOT COVERED UNDER RIGHTS OBTAINED THROUGH OUR WARRANTY POLICY OR THAT OF INTERNATIONALLY RECOGNIZED TERMS AND CONDITIONS.

SCHERTLER SA IS CONSTANTLY AIMING TO IMPROVE ITS RANGE OF PRODUCTS THEREFORE, SCHERTLER SA RESERVES THE RIGHT TO AMEND PRODUCT SPECIFICATIONS WITHOUT NOTICE.

THE SCHERTLER® NAME/LOGO ARE REGISTERED TRADE-NAMES/ TRADEMARKS OF SCHERTLER SA, SWITZERLAND. ALL SCHERTLER® PRODUCTS ARE OF PROPRIETARY TECHNOLOGY AND COVERED BY ONE OF MORE WORLDWIDE PATENTS.



# SCHERTLER®

ACOUSTIC AMPLIFICATION

SWISS MADE | [schertler.com](http://schertler.com)



TEL+41916300710

FAX+41916300711

[info@schertler.com](mailto:info@schertler.com)

SCHERTLER SA

Via Beroldingen 18

6850 Mendrisio