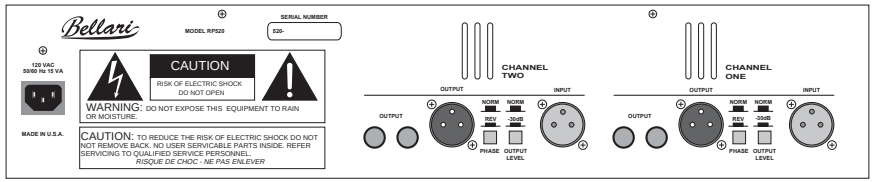

REAR PANEL DESCRIPTION

Note: Channel One descriptions are identical to Channel Two

INPUT

Standard XLR type balanced inputs, pin 2 is hot, for Mic or line-level audio sources. (e.g., instrument, microphone or mixer).

OUTPUT JACKS

1/4" phone connectors or balanced XLRs used for connection to your line inputs on your load (e.g., DAT, Amp. or mixer).

30 dB Pad

This switch changes the level of the Output XLR jack only. When in, it attenuates the output level by 30 dB.

PHASE REVERSE

When pressed in, reverses the phase of the output signal 180 degrees from the input signal.

SPECIFICATIONS

Frequency Response	20Hz - 40kHz, +/- 3dB Mic/Line
	5Hz - 40kHz inst.
Input Impedance	600 ohm balanced XLR
	1M ohm Instrument
THD	0.1% typical
S\N Ratio	>107 dB
Max Gain	48dB Inst or line, 70dB XLR
Indicators	2 - LEDs (Phantom Power)
	2 - Backlit Analog Meters
Input/Output jacks	XLR balanced and 1/4"
Dimensions	3.5" X 6" X 19" (89mm X 162mm X 482mm)
Power	120VAC (230VAC) 15VA

Bellari

Bellari is a division of
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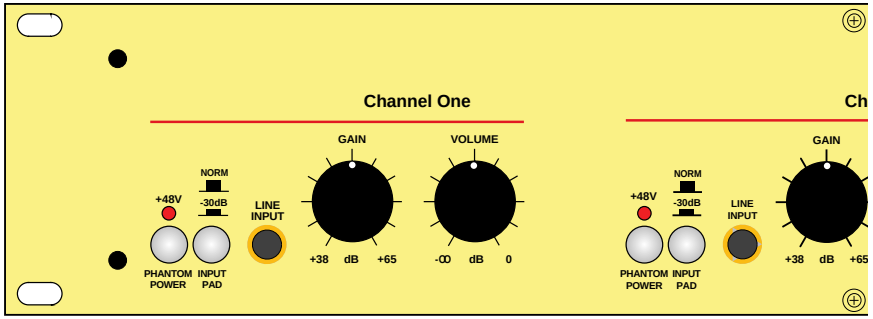
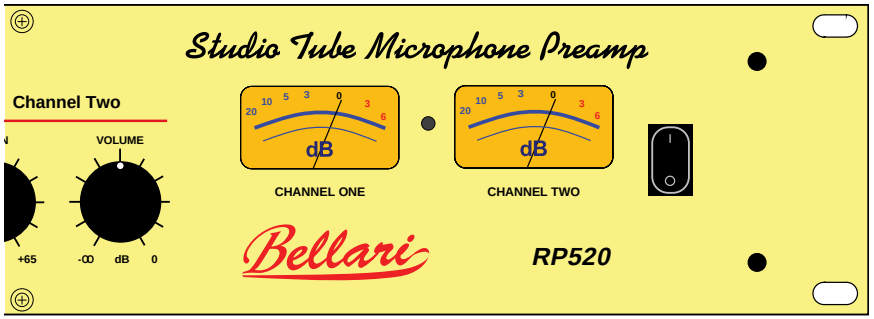
Salt Lake City, UT
01/11

Bellari

RP520

Studio Tube Mic Preamp





Quick Start Guide

OPERATION

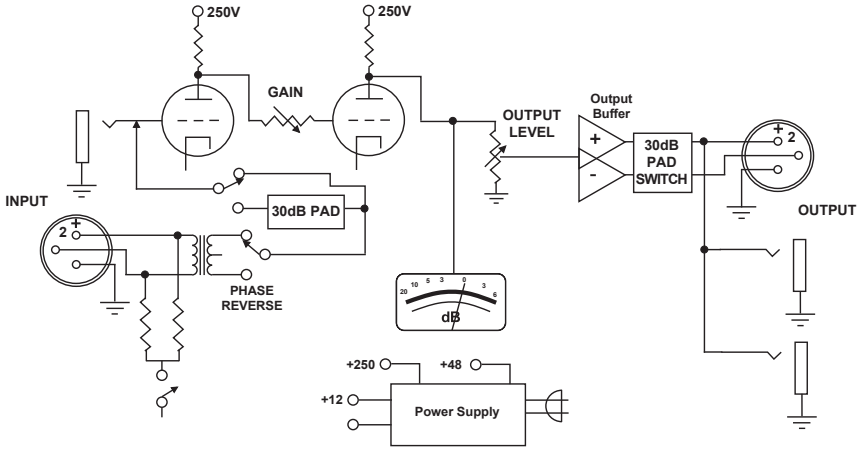
MICROPHONE INPUT EXAMPLE
Connect a microphone to one of the XLR inputs located on the rear panel. If the microphone is a condenser type, press in the +48V phantom power switch. Connect the output to a mixer or recording device. Speak into the microphone and adjust the GAIN control for a signal level just below the point at which distortion occurs. Adjust the VOLUME control for the desired output level.

LINE INPUT EXAMPLE
When mixing down tracks from a digital multitrack recorder, the RP520 may be used to "warm-up" the final mix. Connect the multitrack to a mixer, and connect the mixer to the line inputs on the RP520. Connect the outputs of the RP520 to the input of your mixdown deck or other two-track recording device.
Set the GAIN and VOLUME controls as indicated in the Microphone Input Example.

INSTRUMENT INPUT EXAMPLE
Connect an instrument such as a guitar or bass guitar to an input of the RP520, and connect the output to a mixer or recording device. Play the instrument and adjust the GAIN control for a sound to your liking. Note that the RP520 can be overdriven to provide a slightly distorted signal, which may be desired. Adjust the VOLUME control as indicated in the Microphone Input Example.

NOTE: These are just suggested settings. Your applications may require different procedures for setup.

BLOCK DIAGRAM

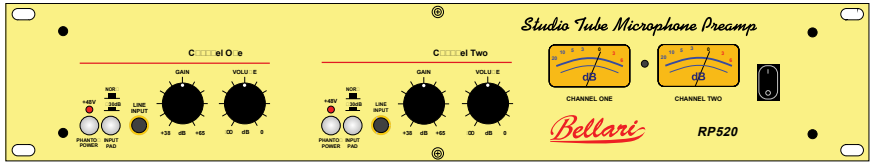


INSPECTON

1. Unpack and Inspect the RP520 package
Your RP520 was carefully packed at the factory in a protective carton. Nonetheless, be sure to examine the unit and the carton for any signs of damage that may have occurred during shipping. If obvious physical damage is noticed, contact the carrier immediately to make a damage claim. We suggest saving the shipping carton and packing materials for safely transporting the unit in the future.

FRONT PANEL DESCRIPTION

Note: Channel One descriptions are identical to Channel Two



PHANTOM POWER +48V
Turns on the internal 48 volt power supply for using phantom powered microphones. It should be left off when not in use.

30 dB Pad
When pressed in, the rear panel XLR input is attenuated by 30 dB. It does not switch the instrument input.

INSTRUMENT INPUT
1/4" input jack for plugging a guitar, electric bass, or other instrument direct into the preamp. When this jack is used, the XLR input on the rear panel is disconnected.

GAIN
Adjusts how much actual gain the preamp has. This is similar to a "trim" control on some mixers and is different from volume. With the gain set high the input may be distorted. For best signal to noise ratio this control should be set as high as possible without distortion, (unless distortion is desired).

VOLUME
Sets the output level as desired, for best signal to noise ratio it should be set in the middle of its range or higher.

OUTPUT LEVEL METERS
Each channel of the RP520 has an analog level meter to show the output level of the tube stage - referenced to +4 dB. NOTE: The meters respond only to changes in the Gain control. The Volume control will have no effect on the meters.