



# COLOUR BOX V2

## STUDIO GRADE PRE-AMPLIFIER

# JHS PEDALS™

*The sound of a vintage console preamp at your feet. The Colour Box V2 is a do-it-all preamp in a pedal format, spreading colour on all your tracks.*

### INPUTS & OUTPUTS

The Colour Box V2 has a combo XLR & 1/4" instrument input jack. Run any instrument or microphone into the Colour Box and select which input you are using with the INST/XLR dip switch located on the right side of the pedal. The 1/4" mono output and the XLR output are independent and allow you to run parallel outputs to two destinations. For example, run the 1/4" mono out into your guitar amplifier and at the same time run the XLR output to your front-of-house mixing board. Another example of using parallel outputs would be to track amp tones and the "direct in" sound of your performance onto two separate tracks.

### CONTROLS

**MASTER** - This is the overall master volume for the unit. It works in tandem with the PRE-VOL. For cleaner sounds, set the MASTER higher and the PRE-VOL lower. As you turn up the PRE-VOL the Colour Box will distort more as well as increase the volume, so use the MASTER to dial back the volume if desired.

**PRE-VOL** - The PRE-VOL acts as a "gain" or "drive" knob, adding grit, distortion and fuzz as you turn it up. In this circuit, the PRE-VOL is between the two gain stages, and the setting of the PRE-VOL determines how much signal continues to the second stage.

**STEP** - The STEP gain changes the gain of each preamp stage in five stages. Rotating the STEP knob from left-to-right will increase the gain by the following: 1st is + 18 dB, 2nd is + 23 dB, 3rd is + 28 dB, 4th is + 33 dB, 5th is + 39 dB.

**HI-PASS** - The HI-PASS spans from 60Hz to 800Hz with a 6dB per octave slope. This control allows you to only let high frequencies pass. The toggle switch below the knob will turn the HI-PASS on or off.

**EQ CONTROLS** - The tone control section is a highly modified Baxandall type that has been updated for the V2 for greater control over each EQ section. The SHIFT knobs enable you to select the range of frequencies controlled by the TREBLE, MIDDLE, and BASS knobs. The center frequencies of the SHIFT knobs are TREBLE SHIFT 10kHz, MID SHIFT 1kHz, and BASS SHIFT 120Hz. The TREBLE, MIDDLE, and BASS knobs boost or cut the frequency range selected with the SHIFT knobs, giving you +/- 17dB of control.

**HI/LO TOGGLE** - The V2 has an added HI/LO toggle which allows you to select between a lower gain/clean mode, or a higher gain/distorted mode. In LO mode the Colour Box has higher clean headroom and is better for clean preamp sounds. In HI mode you can more readily achieve a range of overdrive, distortion or fuzz sounds.

### UTILITY SWITCHES (located on right side)

**INST/XLR SWITCH** - This switch lets you choose between 1/4" instrument input or XLR input. Set the switch to INST when plugging in a 1/4" jack. Set the switch to XLR when plugging in an XLR cable. The pedal will not pass signal if the wrong input is selected.

**PAD SWITCH** - This is a standard 20dB pad for use with the XLR input. Use this if you're experiencing clipping from the XLR input. The pad works whether the pedal is on or off. This pad does not have any effect if using the INST input.

### INPUT & OUTPUT FUNCTIONALITY

**INSTRUMENT INPUT MODE** - When plugging in a 1/4" instrument cable, you can use the Colour Box like an effect pedal or as an always on DI for bass, acoustic, or any other instrument that requires a DI. **When using the Colour Box as an effect pedal**, use the 1/4" output and turn the pedal on and off with the foot switch just as you would normally use an effect pedal. You can also run both 1/4" and XLR outputs in parallel when using it as an effect pedal, though the XLR output will be disengaged when the pedal is off. This is useful especially in recording situations where you want to send your signal to an amplifier and direct-in to a console or preamp. **When using the Colour Box as a DI**, you can use the XLR output to plug straight into an audio mixer or recording interface and there is no need to use a separate direct-box. In an always-on circumstance, the 1/4" output will also pass effected signal to whatever it is plugged into as long as the pedal is ON, this allows you to split your signal to two separate sources at the same time. The XLR output will only pass signal when the Colour box is turned on.

**XLR INPUT MODE** - In this mode, the pedal accepts XLR microphone cables and passes a clean bypass signal through the XLR output when switched off. The 1/4" output also passes signal in this mode so you can pass a microphone through the Colour Box into an amp or line level input. The 20dB pad is available in this mode only and works when the pedal is on and off. The Colour Box V2 now allows **phantom power** to pass through the pedal when using microphones that require phantom power.

\* In both modes the XLR output has a slightly lower noise floor if running as a line-in to your mixer or interface.

### POWER

The Colour Box V2 runs 9V DC negative center power ONLY and consumes 193mA. Do not run on anything greater than 9V.