

Lakeside

Microphone and Instrument Preamp

Gain

The input gain knob amplifies your signal with a range between 10-60db on a selector switch in stepped increments of 5dB. Use this control to dial in your optimal level and amount of color and saturation.

DI

Direct Input

When moved to the right, this switch engages the ¼" hi-z direct input on the front of the pre and bypasses the XLR input on the back. The DI is perfect for adding weight, dimension, and life to any instrument or high impedance source like basses, guitars, synths, drum machines and more.

+48V

Phantom Power

This switch engages +48v phantom power through the microphone input. A red LED light will indicate that phantom power is currently engaged. This is used to power active mics like condensers or other active devices like The Soyuz Launcher which require phantom power to operate.

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Polarity

This switch is used to reverse the polarity of your microphone or input signal. This can be helpful to ensure that your signal is in phase with other sources - or use it to experiment with possible new sounds.

High Pass Filter

This knob is used to sculpt your sound by rolling off the frequencies below the selected point.

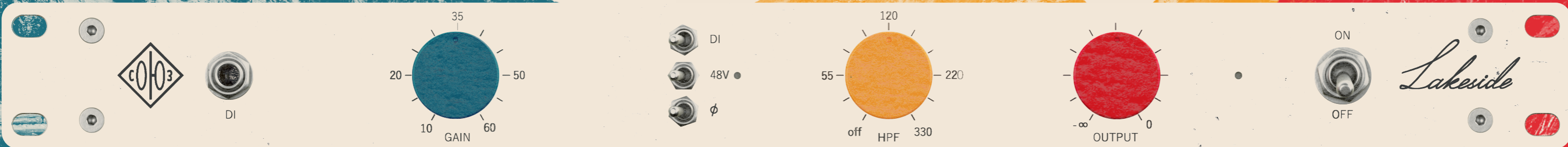
Use this control to filter out unwanted low-end rumble on sources for added clarity, or experiment with different textures and surprising results along the way.

The Lakeside's HPF control is built on an inductor based selector switch to target specific frequency points with a musical resonance that goes beyond basic tone shaping. We've built The Lakeside to be intuitive and to encourage you to use your ears and instincts, but for reference, the slope of the filter is -18db/oct with -3db at the selected frequency.

The frequency points across the range are:
40, 55, 70, 90, 120, 150, 180, 220, 270, 330Hz.

Output Trim

Use this knob to fine tune your desired level coming out of the Lakeside preamp. The output control is entirely passive meaning no additional gain is being added. We recommend when starting out, keeping this knob set at the 12o'clock position and adjusting more or less depending on your needs.



Mic Input Impedance	_____	1.2k
DI Input Impedance	_____	> 1M
Output Impedance	_____	< 80 Ohms
Gain Boost	_____	10-60dB in increments of 5dB
Frequency Response	_____	20Hz-20kHz (+-0.5dB) with the gain of 40dB loaded with 600 Ohms
Equivalent Input Noise	_____	120dB with the gain of 40dB loaded with 600 Ohms
THD+N	_____	< 0.02% with the gain of 40dB loaded with 600 Ohms and the output of + 18dB
Cutoff Filter	_____	18dB/oct (-3dB) = 40, 55, 70, 90, 120, 150, 180, 220, 270, 330Hz
Max Output	_____	+27dBu (0.2% THD), +31dBu (1.5% THD)

CAUTION

ENSURE THAT RED VOLTAGE SELECTOR SWITCH IS SET TO THE CORRECT VOLTAGE FOR YOUR REGION

POWER REQUIREMENTS

115V~60Hz T2AL

230V~50Hz TAL

Date of manufacture

Serial Number

Assembled by

Tested by

