



Meet your BERKELEY...

1. Output jack.
1/4" (6.35mm) unbalanced output

2. 9V DC input.
The Berkeley is powered by 9V DC. The socket is a 2.1mm jack, centre negative, compatible with most guitar effects power supplies. Do not connect a supply greater than 10V to the pedal as it could potentially damage the unit. The Berkeley has power supply filtering, but we would always suggest using a high quality linear power supply. Make sure your PSU has a greater than 200mA capability.

3. Foot Control input.
ONLY connect your expression pedal here. This 1/8" (3.5mm) socket is TRS.

Tip = 5V
Ring = Control signal
Sleeve = Ground.

Unplug the power from the pedal before connecting or disconnecting an expression pedal.

In Vintage Mode, with a expression pedal connected, heel-down switches the LFO off like the original units.

4. Input jack.
1/4" (6.35mm) unbalanced input. The input is grounded when a cable is unplugged to prevent buzz.

5. Chorus / Vibrato switch.
Selects between Chorus or Vibrato mode. Chorus is wet + dry, and Vibrato is wet only. The mix between them is controlled by the Phase Cancel trimmer inside.

6. Rate indicator.
Indicates the speed of the effect. Its behaviour depends on whether you are in Vintage (default) or True Bypass mode. In either mode when the effect is engaged, it will pulse in time with the effect. In bypass, in Vintage mode it doesn't light. In bypass in TB mode it gives a dull flash.

7. Intensity control.
Controls the depth of the vibe effect.

8. Rate control.
Controls the speed of the effect from around 0.9Hz to 9Hz.

9. Volume control.
Controls the output level of the effect. At full, the effect is slightly boosted when compared with true bypass.

10. Bypass indication.
Shows the state of the effect. In Vintage and True Bypass modes, when the effect is engaged this indicator is green. In Vintage mode when bypassed, this indicator is red. In True Bypass mode when bypassed the indicator doesn't light.

11. Footswitch.
Controls the state of the effect, toggling between bypassed and engaged. The pedal starts up in bypass mode.



Vintage and True Bypass modes.

The Horrothia Berkeley can be toggled between two different bypass modes, Vintage and True Bypass.

Vintage (default). This is exactly the same as a vintage unit. When bypassed, the LFO switches off, and the whole circuit is still engaged, giving a slight boost and colour to the sound.

True Bypass. When bypassed the whole effect is taken out of circuit, as if it was just a patch cable.

To switch between bypass modes, hold down the footswitch when powering up. The mode is saved, even on power down.

When the power is disconnected, irrespective of bypass mode, the pedal is relay true bypass.

Adjustment and fine tuning.

Your Berkeley is built with the knowledge that no two peoples' perceptions of the perfect vibe are the same. Because of this, we designed in some functions so that you can fine tune yours to match your rig, or dial in that perfect wobble.

There are three user adjustable trimmers inside; Phase Cancel, Input Impedance and Voicing.

Phase Cancel

This control sets the balance between dry and wet signals. By default this control is set in the centre. Adjusting it to the left or right will change that balance. This effects the depth of phase cancellation in Chorus mode.

Input Impedance

This control sets the input impedance. By default it is set at its lowest, like a vintage unit. By turning it to the other extreme, you will find the effect becomes slightly louder and definitely brighter. It will also affect how the Berkeley interacts with other effects in the chain. Try tweaking it to find it's best position for you.

Voicing

Voicing controls how 'vintage' the Berkeley behaves. Turn the control to the bottom of the case and the pedal will follow the LFO width and depth contours of an original unit. Characteristics of an original unit are for example a very narrow intensity range at low and high speed, and full depth at around 2Hz speed. As you gradually move the voicing control the other way, the Berkeley's range opens wider and these characteristics are ignored, making for a more modern, deeper range.

Some thoughts...

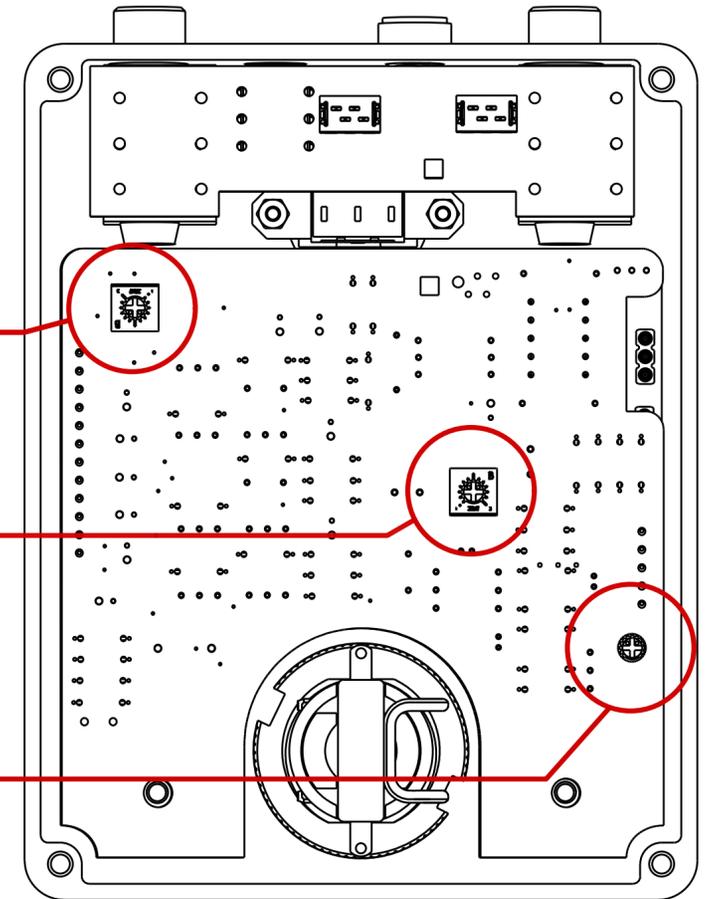
Use high quality, low impedance, low capacitance guitar cables with a braided screen for optimum signal to noise and most uncoloured / transparent tone. We use Sommer SC-Spirit LLX to test.

High quality parts are used throughout. The DC jack is mounted to the case rather than the main PCB for stability and long life.

If you have any questions about the functioning of your Horrothia pedal, please contact us at hello@horrothia.com and we'll be more than happy to help you out.

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This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures

Reorient or relocate the receiving antenna

Increase the separation between the equipment and receiver

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected

Consult the dealer or an experienced radio/TV technician for help

This equipment has been verified to comply with the limits for a class B computing device, pursuant to FCC Rules. In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.

For private households: Information on Disposal for Users of WEEE
This symbol on the product(s) and / or accompanying documents means that used electrical and electronic equipment (WEEE) should not be mixed with general household waste. For proper treatment, recovery and recycling, please take this product(s) to designated collection points where it will be accepted free of charge. Alternatively, in some countries, you may be able to return your products to your local retailer upon purchase of an equivalent new product.
Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.

For professional users in the European Union:
If you wish to discard electrical and electronic equipment (EEE), please contact your dealer or supplier for further information.

For disposal in countries outside of the European Union:
This symbol is only valid in the European Union (EU). If you wish to discard this product please contact your local authorities or dealer and ask for the correct method of disposal.

