



ONE CONTROL OC-M-BUF Minimal Series BJT Buffer User Manual

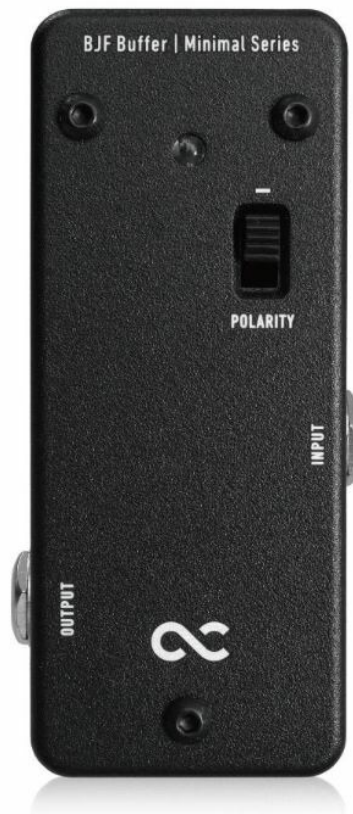
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ONE CONTROL OC-M-BUF Minimal Series BJT Buffer



Product Information: Minimal Series BJF Buffer

The Minimal Series BJF Buffer is a buffer circuit installed in the Minimal Series enclosure by LEP INTERNATIONAL CO., LTD. The buffer circuit is designed to improve tone strength and tone when using multiple pedals in series. The buffer circuit is completely natural sounding and can be used without taking up much space on your pedalboard or under your feet. The product is built to last and fit anywhere you need it. It is a purpose-built solution with only what you need and nothing more.

Specifications

- Size: 94D x 42W x 34H mm
- Weight: 238g
- Current consumption: 3mA
- Power supply: Center minus DC9V adapter
- Batteries cannot be used

Product Usage Instructions

1. Connect the Minimal Series BJF Buffer to your pedalboard using a center minus DC9V adapter.
2. Place the buffer circuit anywhere in your signal path where you require improved tone strength and tone.
3. Use the buffer circuit with multiple pedals in series to improve tone quality.
4. Do not use batteries to power the buffer circuit.
5. The buffer circuit is built to last and can withstand being stepped on.
6. The One Control Minimal Series achieves minimal size housings for pedals, saving space on your pedalboard.

Specifications

- **Size:** 94D x 42W x 34H mm
- **Weight:** 238g
- **Current consumption:** 3mA
- **Power supply:** Center minus DC9V adapter * Batteries cannot be used.

INFORMATION

The image of buffers has been unfairly maligned in the music press and in the gear forum community for many years. With the advent of more true-bypass pedals and musicians getting pickier about their tone, many started to wonder why their tone was not as powerful as before when using a few pedals in series. Even with all true-bypass pedals, the cable lengths and varied capacitance values can affect your tone strength and tone. The BJF Buffer fixes this in our Minimal Series enclosure. We have installed this exact buffer circuit into many of the one Control switchers. The completely natural-sounding buffer circuit will change your mind about having a buffer in your pedalboard signal path. Another useful feature of the BJF Buffer is the Phase Inversion switch. The sound of musical instruments is a wave that travels through the air. Frequency is pitch and the vibration width is the amplitude. The sound of an instrument is composed of multiple waves like this mixed together. Phase is simply the position where the wave begins. Even if the waveform is the same, changing the starting position will completely change the movement of the air at that moment. With only a single note, the phase has much less effect on timbre. However, with multiple sounds such as guitar and bass, the difference in phase will affect the sound.

If you listen to a sound with the same waveform and inverted phase at the same distance from the sound source, the waveforms cancel each other out and you cannot hear a sound at all. Conversely, if you listen to sounds with the same waveform and phase at the same distance from the sound source, the waveforms will overlap, and you will hear a louder volume. By cancelling and overlapping these waves, the difference between “sounds that come out” and “sounds that do not come out” becomes apparent within a band setting. The Phase Inversion switch is used to restore the phase that may be inverted depending on the characteristics of the equipment, or to match the phase of other instruments. The theory behind this can be confusing – but you don’t have to worry over difficult things. Make a sound with the band or ensemble at rehearsal and set the switch to the setting that sounds best to your ears. Being in phase with the other instruments will help your sound to project strongly with the band. Let’s make your tone stronger along with the whole band with the One Control Minimal Series BJF Buffer!

Minimal Series – “Sophisticated Functionality”


The One Control Minimal Series eliminates all waste in the manufacturing process of pedals, achieves the most compact size, and consolidates simple but sophisticated functionality. These are pedals that have earned the name Minimal. For this series One Control has devised and realized an innovative PCB layout that can ensure both speed and precision in the manufacturing process, as well as strength in construction with high quality parts. Production efficiency has improved, reducing unnecessary hand labor and waste and helping to lower the price without lowering the quality.

OC Minimal Series also achieves minimal size housings for the pedals so they can be used without taking up much space on your pedalboard or under your feet. Built to last, built to be stepped on, and built to fit anywhere you need them. Purpose-built solutions with exactly what you need, and nothing more. Switching is Easy with One Control!

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<http://www.one-control.com/>

Documents / Resources

	ONE CONTROL OC-M-BUF Minimal Series BJF Buffer [pdf] User Manual OC-M-BUF Minimal Series BJF Buffer, OC-M-BUF, Minimal Series BJF Buffer, BJF Buffer, Buffer
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References

-  [One Control - USA Official Shop – One Control USA](#)