

Thank you for showing your confidence in us by purchasing the BEHRINGER ULTRA PHASE SHIFTER PS100. This high-quality effects pedal is designed for all musicians yearning for a way to pep up their sound. Thanks to its high-performance features you can create phase shifting effects modeled after two of the most legendary pedals.

With the phaser, a second, phase-shifted signal is added to the original audio signal. The result is thicker and enhanced sound. This effect is often used for guitar sounds and keyboards. In the '70s, it was also extensively used for other instruments like electric pianos.

## 1. CONTROLS



Top view

- 1 The *MODE* switch lets you choose between negative feedback (Mode 1) or positive feedback (Mode 2) phaser modes. Negative feedback means that the delayed signal is inverted before it is fed back to the original signal. In positive feedback mode the delayed signal is not inverted. In this case the effect has a more detuned character perfect for vibrato effects.
- 2 The *LEVEL* control adjusts the output level.
- 3 The *RATE* control determines the speed of the phase shifting effect.
- 4 Turn up the *DEPTH* control to achieve a fuller, deeper effect sound.
- 5 The *RES(onance)* control determines the amount of output signal fed back to the phaser input to increase the effect intensity.
- 6 This *ON/BATT* LED illuminates when the effect is activated. It also serves as a battery level indicator.
- 7 Use the footswitch to activate/deactivate the effect.
- 8 Use this 1/4" TS *IN* connector to plug in the instrument cable.
- 9 The 1/4" TS *OUT* connector sends the signal to your amp.

Use the *DC IN* connection to plug in 9 V power supply (not included).

The **BATTERY COMPARTMENT** is located underneath the pedal cover. To install or replace the 9 V battery, press the hinges with a ballpen and remove the pedal cover. Be careful not to scratch the unit.

 The **UP100** has no on/off switch. As soon as you insert the jack into the **IN** connector, the **UP100** begins running. When not using the **UP100**, remove the jack from the **IN** connector. This extends the life of the battery.

The **SERIAL NUMBER** is located at the bottom.

## 2. WARRANTY

For our current warranty terms, please refer to our website at <http://www.behringer.com>.

## 3. SPECIFICATIONS

<b>In</b>	Connector	1/4" TS
	Impedance	500 k $\Omega$
<b>Out</b>	Connector	1/4" TS
	Impedance	1 k $\Omega$
<b>Power supply</b>	9 V, 100 mA DC regulated PSU-SB-CN BEHRINGER 220 VAC adaptor China PSU-SB-EU BEHRINGER 230 VAC adaptor Europe PSU-SB-JP BEHRINGER 100 VAC adaptor Japan PSU-SB-SAA BEHRINGER 240 VAC adaptor Australia PSU-SB-UK BEHRINGER 240 VAC adaptor UK PSU-SB-UL BEHRINGER 115 VAC adaptor USA	
<b>Power connector</b>	2 mm DC jack, negative center	
<b>Battery</b>	9 V type 6LR61	
<b>Power consumption</b>	30 mA	
<b>Dimensions (H x W x D)</b>	approx. 54 mm (2 1/8") x 70 mm (2 3/4") x 123 mm (4 4/5")	
<b>Weight</b>	approx. 0.33 kg (0.73 lbs)	

BEHRINGER is constantly striving to maintain the highest professional standards. As a result of these efforts, modifications may be made from time to time to existing products without prior notice. Specifications and appearance may therefore differ from those listed or shown.

## 4. SAFETY INSTRUCTIONS

Do not use near water, or install near heat sources. Use only authorized attachments/accessories. Do not service product yourself. Contact our qualified servicing personnel for servicing or repairs, **especially when power supply cord or plug is damaged**.

No utilizar cerca de agua o instalar cerca de fuentes de calor. Utilice sólo accesorios y aditamentos autorizados. No intente reparar el producto usted mismo. Contacte a nuestro personal técnico cualificado para servicio y reparaciones, **especialmente cuando la fuente o el cable de alimentación estén dañados**.

Не эксплуатуйте прибор вблизи от источников воды и тепла. Применяйте только авторизованные дополнительные устройства. Никогда не ремонтируйте прибор самостоятельно. Ремонт может производить только квалифицированный специализированный персонал, **особенно при повреждениях сетевого провода или сетевой вилки**.

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# FEDERAL COMMUNICATIONS COMMISSION COMPLIANCE INFORMATION



Responsible party name: **MUSIC Group Services USA, Inc.**  
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## ULTRA PHASE SHIFTER UP100

complies with the FCC rules as mentioned in the following paragraph:

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 device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

### Important information:

Changes or modifications to the equipment not expressly approved by MUSIC Group can void the user's authority to use the equipment.