



## behringer Microphono User Guide

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# Behringer

MICROPHONE PP400

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### Welcome to BEHRINGER

Thank you for showing your confidence in us by purchasing the BEHRINGER MICROPHONE PP400, a compact phono preamplifier.

Turntables have low-level signals. However, most audio units can only process line-level signals. Between a turntable and another audio unit (a mixer, an amplifier, or a recording unit), the PP400 acts as an intermediary, as follows:

1. The PP400 equalizes a turntable signal according to RIAA specifications.
  2. The PP400 amplifies the RIAA equalized signal.
  3. The PP400 outputs a line-level signal.
- ◇ Please read the safety instructions that appear at the end of this document.

## Connectors and Control Elements

This section illustrates and describes each PP400 connector and control element.

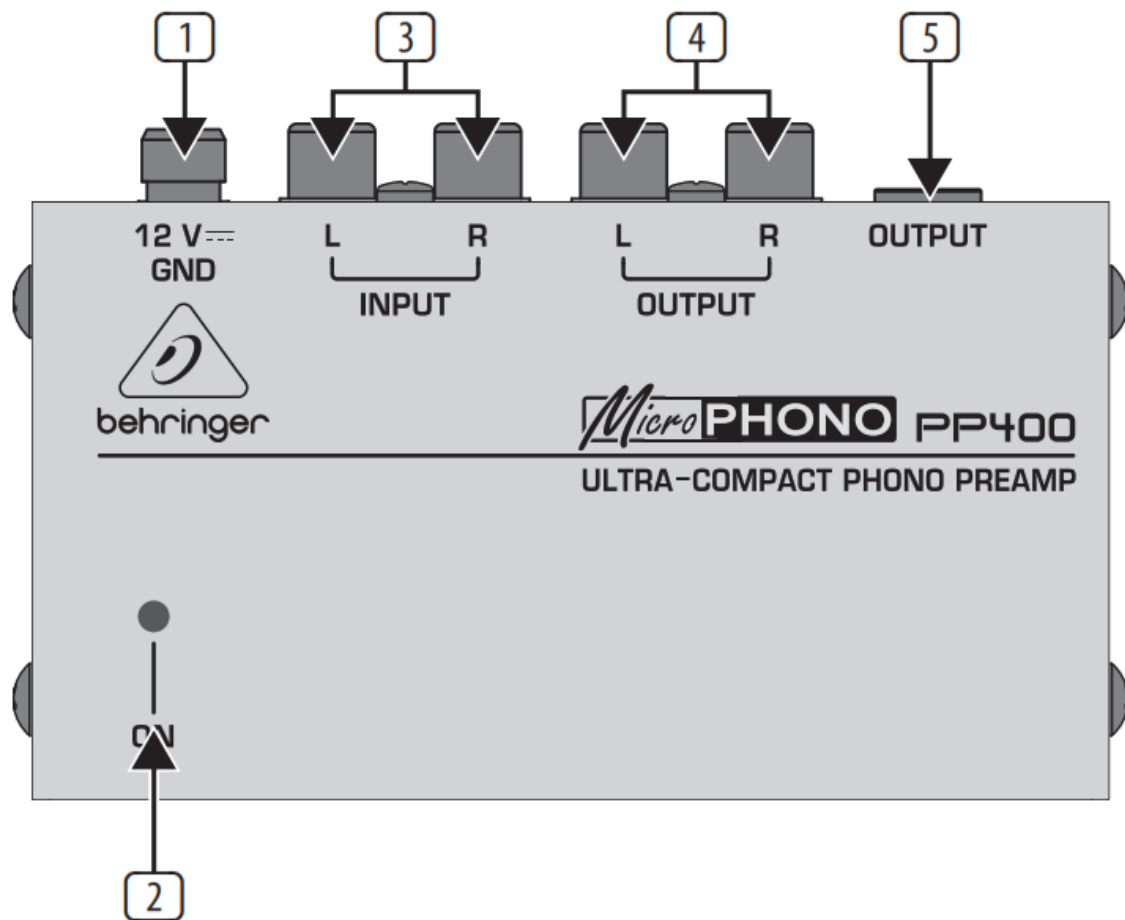


Fig. 1: PP400 connectors and control elements

### 1. 12 V connector:

To connect the power supply unit to the PP400, use the 12 V connector. Connecting the power supply unit to the mains automatically switches the PP400 on. To disconnect the unit from the mains, pull out the main cord plug.

### 2. ON LED:

As soon as the unit is connected to the mains, the ON LED is illuminated.

### 3. INPUT (L and R) connectors:

To send a turntable signal to the PP400, you need an RCA audio cable (stereo). Use this cable to connect:

- the left output on the turntable to the L (left) INPUT on the PP400
- the right output on the turntable to the R (right) INPUT on the PP400

The PP400 can output a line-level signal via one of the following connectors:

- RCA ((4) OUTPUT L and R)
- ¼" TRS ((5) OUTPUT)

◇ Do not simultaneously use both PP400 OUTPUTs.

### 4. OUTPUT (L and R) connectors:

To use these RCA connectors, you need an RCA audio cable (stereo). Use this audio cable to connect:

- the L (left) OUTPUT on the PP400 to the left input on the amplifier, recording unit, or mixer. (On a mixer, use a

CD or TAPE input.)

- the R (right) OUTPUT on the PP400 to the right input on the amplifier, recording unit, or mixer

#### 5. **OUTPUT connector:**

To use this ¼", TRS (stereo) connector, you need an audio cable. Use the audio cable to connect the PP400 OUTPUT to an input on the mixer, amplifier, or recording unit. One end of this audio cable must include a ¼", TRS connector. If the input on the mixer, amplifier, or recording unit is:

- stereo, the other end of the audio cable must include a ¼", TRS connector
- mono, the other end of the audio cable must include 2 TS connectors (one for each mono input)

**SERIAL NUMBER:** To register your unit, use the serial number that is located on the bottom of the PP400.

### Setup Example

The following is an example of how to set up the PP400:

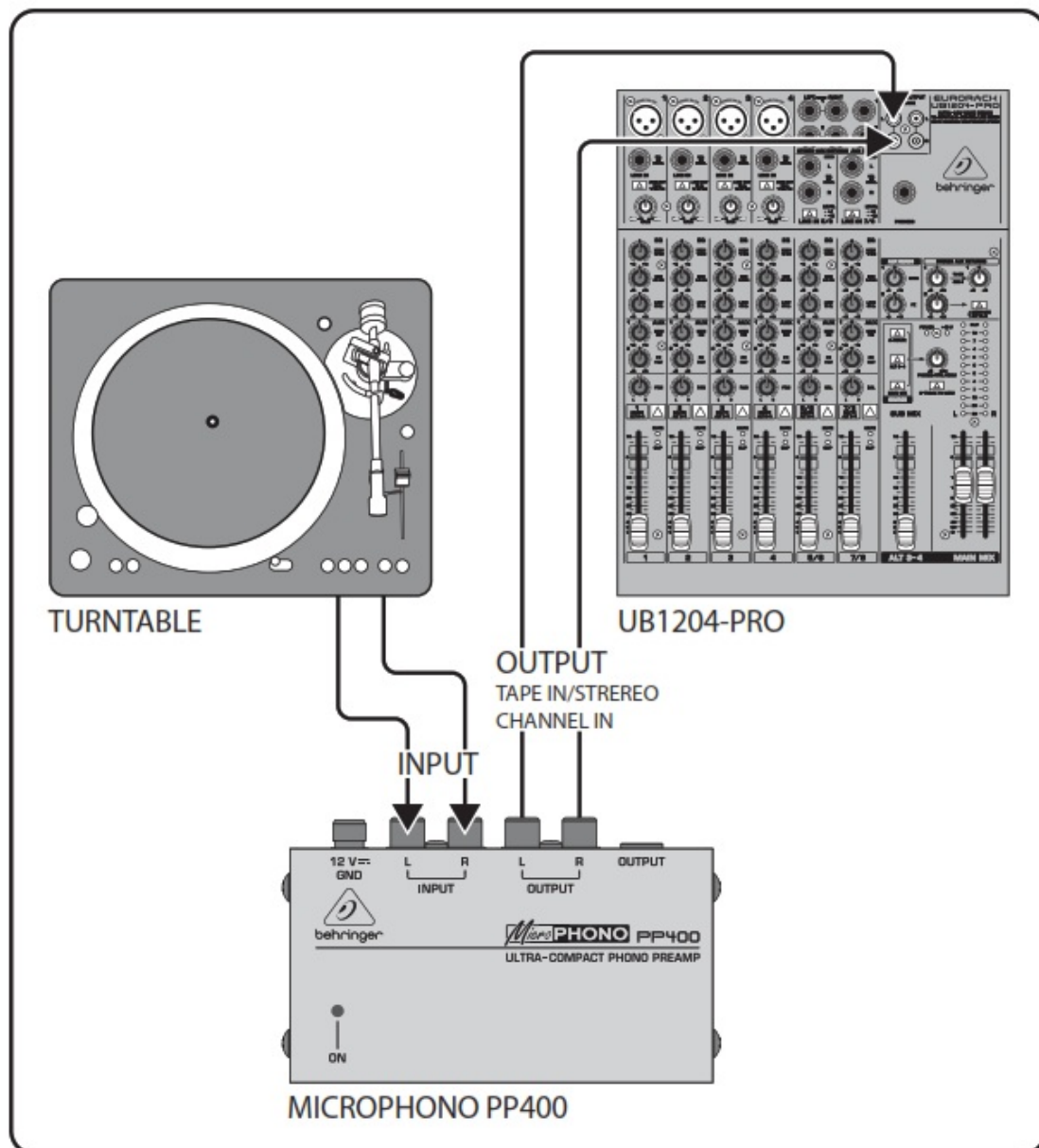


Fig 2: PP400 setup example

### Warranty

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

## Specifications

Input	
Type	RCA connector
Impedance	approx. 47 k $\Omega$
Max. input level	-23.5 dBV @ 1 kHz
Output	
Type	RCA and 1/4" TRS, stereo connectors
Impedance	approx. 50 $\Omega$
Max. output level	+11.5 dBV @ 1 kHz
System Specifications	
Frequency response	RIAA
THD	0.06% typ. @ -40 dBu/1 kHz
Gain	35 dB
Signal-to-noise ratio	68 dBu @ 0 dBu, A-weighted
Input sensitivity	5.3 mV @ 1 kHz
Power Supply	
Mains connection	external power supply, 12 V / 150 mA
Mains Voltage	
USA/Canada	120 V~, 60 Hz
China/Korea	220 V~, 50 Hz
U.K./Australia	240 V~, 50 Hz
Europe	230 V~, 50 Hz
Japan	100 V~, 50 – 60 Hz
Power consumption	approx. 1.5 W
Dimensions/Weight	
Dimensions (H x D x W)	approx. 1 1/4 x 4 x 2 1/2" approx. 32 x 103 x 64 mm
Weight	approx. 0.40 lbs / 0.180 kg

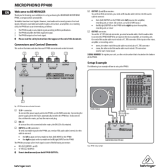
## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.

5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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## Documents / Resources

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## References

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