

# MICROPHONO PP400

## Welcome to BEHRINGER

Thank you for showing your confidence in us by purchasing the BEHRINGER MICROPHONO 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.

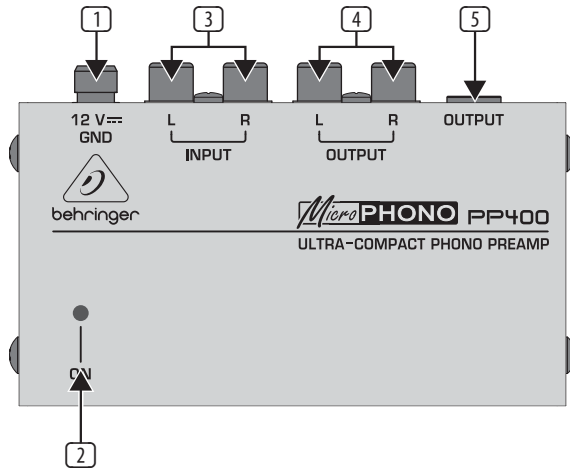


Fig. 1: PP400 connectors and control elements

- 1 **12 V $\overline{\text{=}}$  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)
- 1/4" 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 1/4", 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 1/4", TRS connector. If the input on the mixer, amplifier, or recording unit is:

- stereo, the other end of the audio cable must include a 1/4", 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:

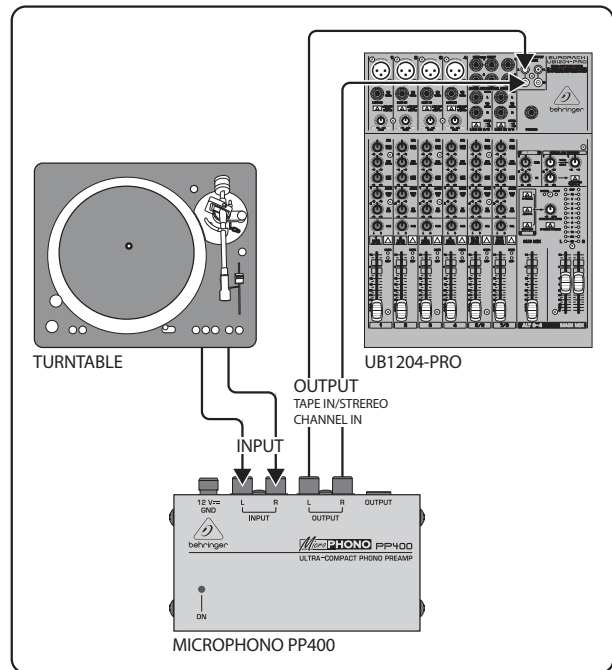


Fig 2: PP400 setup example

# MICROPHONO PP400

EN

## Warranty

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

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## Specifications

### Input

Type	RCA connector
Impedance	approx. 47 kΩ
Max. input level	-23.5 dBV @ 1kHz

### Output

Type	RCA and ¼" TRS, stereo connectors
Impedance	approx. 50 Ω
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 $\pm$ / 150 mA
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### 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 ¼ x 4 x 2 ½"
	approx. 32 x 103 x 64 mm
Weight	approx. 0.40 lbs / 0.180 kg

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 differ from those listed or illustrated.

### EN 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 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 are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for 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.

### ES Instrucciones de seguridad

- 1) Lea las instrucciones.
- 2) Conserve estas instrucciones.
- 3) Preste atención a todas las advertencias.
- 4) Siga todas las instrucciones.
- 5) No use este aparato cerca del agua.
- 6) Limpie este aparato con un paño seco.
- 7) No instale el equipo cerca de fuentes de calor.
- 8) Proteja los cables de suministro de energía de tal forma que no sean pisados o doblados.
- 9) Use únicamente los dispositivos o accesorios especificados por el fabricante.
- 10) Desenchufe el equipo durante tormentas o si no va a utilizarlo durante un periodo largo.
- 11) Confíe las reparaciones únicamente a servicios técnicos cualificados. Se requiere mantenimiento siempre que la unidad haya sufrido algún daño.

### RU Важные указания по технике безопасности

- 1) Прочитайте эти указания.
- 2) Сохраните эти указания.
- 3) Выполняйте эти указания.
- 4) Следуйте всем инструкциям по обслуживанию.
- 5) Не пользуйтесь прибором в непосредственной близости от воды.
- 6) Протирайте прибор сухой тряпкой.
- 7) Не располагайте прибор рядом с источниками тепла.
- 8) Прокладывайте сетевой кабель таким образом, чтобы он был защищён от обуви и острых кромок и не мог быть повреждён.
- 9) Применяйте только рекомендованные производителем дополнительные приборы/принадлежности.
- 10) Вынимайте вилку из розетки при грозе и длительных перерывах в эксплуатации прибора.
- 11) Поручайте выполнение работ по обслуживанию прибора только квалифицированному персоналу сервисной службы. Техническое обслуживание требуется если прибор был каким-то образом повреждён.

### CN 重要的安全须知

- 1) 请您阅读这些说明。
- 2) 请您妥善保存这些说明。
- 3) 请您注意所有的警告说明。
- 4) 请您遵守所有的操作说明。
- 5) 请您不要在水附近运行此机器。
- 6) 请您用干布清洁此机器。
- 7) 请您不要将此机器放置在热源附近。
- 8) 请您正确铺设电源线，使其不会被踩踏和被尖角损坏。
- 9) 请您只使用制造厂认为合适的附加机器 / 配件。
- 10) 在雷雨时或长期不使用机器时请您将电源插头拔出。
- 11) 请您只允许具备资格的服务人员进行保养工作。当机器有损坏时，要进行维修保养。

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