

# MICROPHONO AK750S

## Operating Manual

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Thank you for showing your confidence in us by purchasing the MICROPHONO AK750S 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 AK750 acts as an intermediary, as follows:

1. The AK750S equalizes a turntable signal according to RIAA specifications.
2. The AK750S amplifies the RIAA equalized signal.
3. The AK750S outputs a line-level signal.

◆ Please read the safety instructions that appear at the end of this document.

### Connectors and Control Elements

The section illustrates and describes each AK750S connector and control element.

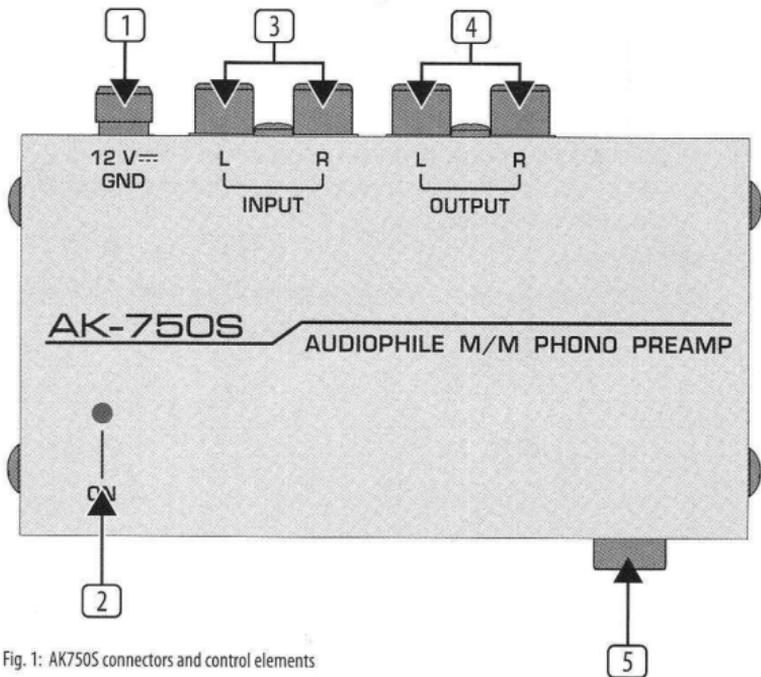


Fig. 1: AK750S connectors and control elements

## Specifications

### Input

Type	RCA connector
Impedance	approx. 47 k $\Omega$
Max. input level	-23.5 dBV @ 1 kHz

### Output

Type	RCA and ¼" 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

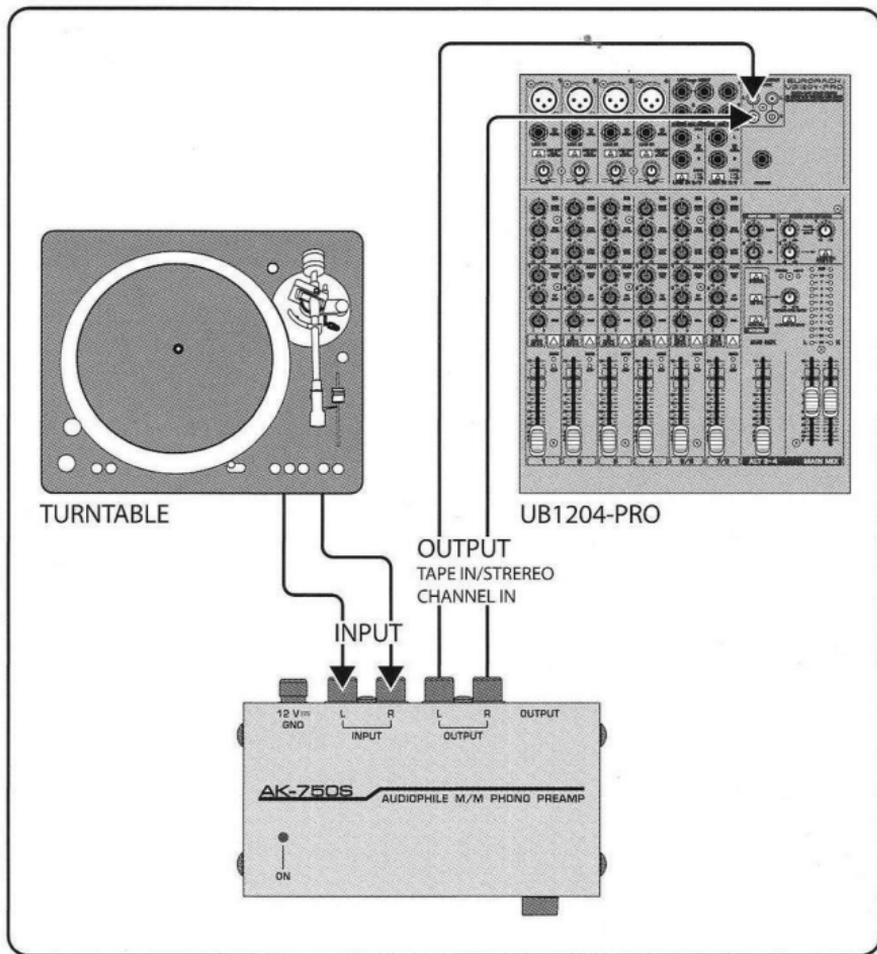
Mains connection	external power supply, 12 V $\overline{-}$ / 150 mA
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### Dimensions/Weight

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

## Setup Example

The following is an example of how to set up the AK750S



① **12 V** connector:

To connect the power supply unit to the AK750, use the **12 V** connector. Connecting the power supply unit to the mains automatically switches the 750S 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 AK750, 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 AK750S
- the **right** output on the turntable to the **R** (right) INPUT on the AK750S

The AK750S 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 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 Volume**:

Using the **volume levels** controls you can set the output level of each channel. The **OUTPUT** carries the MIX signal and is on a RCA connector.