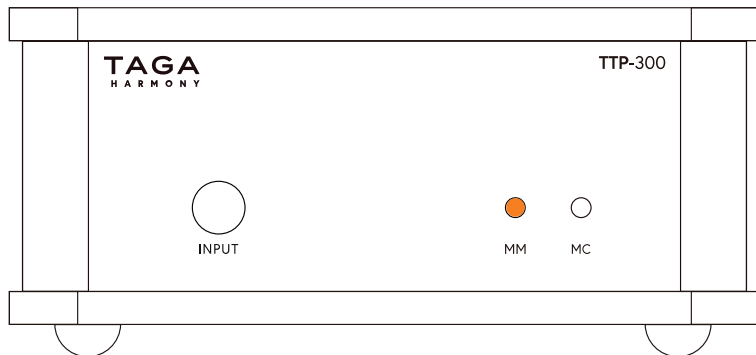




**TAGA**  
H A R M O N Y

## **TTP-300**

MM/MC PHONO PREAMPLIFIER



Instruction Manual



# Introduction

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TTP-300 is a dedicated phono Preamplifier designed for vinyl lovers who are looking to get high quality performance and enjoyment from listening their albums and mind the budget.

It can be quickly and easily connected to your existing audio system and breathe in new life into your vinyl recordings!

## KEY FEATURES:

- A single input supporting turntables equipped with Moving Coil and Moving Magnet Cartridges.
- Compact size and elegant design utilizing aluminum housing provides perfect shielding of the phono stage.
- Accurate RIAA equalization to get the most of vinyl recordings.
- Low-noise integrated circuits.
- Low output impedance.
- Gold-plated RCA sockets ensure the best signal transfer.

## Cleaning

Do not use strong or abrasive cleaners. Use a dry, soft cloth for cleaning.

## Specifications

Full technical specifications are available on the [www.TagHarmony.com](http://www.TagHarmony.com) website.

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# Safety Instructions

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## IMPORTANT READ THIS SECTION CAREFULLY BEFORE PROCEEDING!



An exclamation mark in a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS OR THE POWER ADAPTER TO RAIN OR MOISTURE, AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS OR ON THE POWER ADAPTER.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, FULLY AND SECURELY INSERT THE POWER PLUG INTO THE POWER OUTLET, AND THE POWER CABLE CONNECTORS INTO THE UNIT AND THE POWER ADAPTER SOCKETS (IF THE POWER ADAPTER IS NOT EQUIPPED WITH AN INTEGRATED [ATTACHED] POWER CORDS).

**CAUTION:** FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE THE FUSE (IF THE UNIT OR THE POWER ADAPTER IS EQUIPPED WITH A USER REPLACEABLE FUSE) ONLY WITH THE SAME AMPERAGE AND VOLTAGE TYPE. IN CASE WHEN THE UNIT OR THE POWER ADAPTER IS NOT EQUIPPED WITH A USER REPLACEABLE FUSE - REFER REPLACEMENT TO QUALIFIED SERVICE PERSONNEL.

**WARNING:** THE UNIT AND THE POWER ADAPTER MAY BECOME HOT. ALWAYS PROVIDE ADEQUATE VENTILATION TO ALLOW FOR COOLING. DO NOT PLACE THE UNIT AND THE POWER ADAPTER NEAR A HEAT SOURCE, OR IN SPACES THAT CAN RESTRICT VENTILATION.

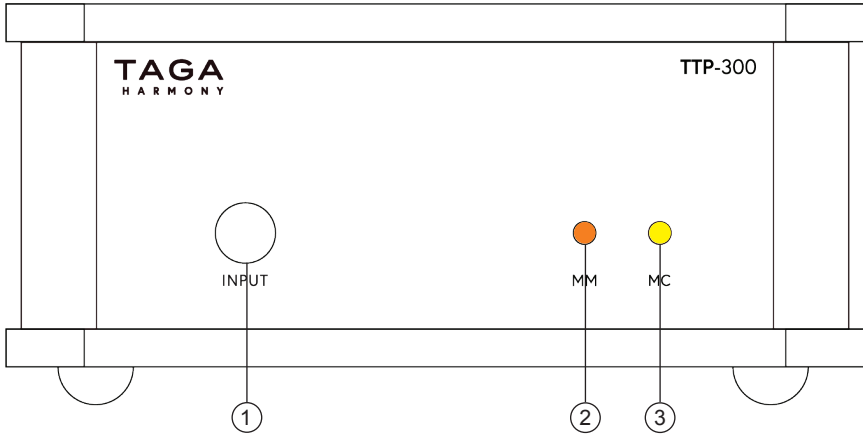
# Safety Instructions

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1. Read Instructions - All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions - The safety and operating instructions should be retained for future reference.
3. Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions - All operating and use instructions should be followed.
5. Cleaning - Unplug this product from the power outlet before cleaning. Do not use liquid cleaners or aerosol cleaners.
6. Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool; and the like. These precautions also apply to the power cords and power adapter.
7. Accessories - Do not place this product on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Use only with a cart, stand, tripod, bracket or table recommended by the manufacturer or sold with the product. Any mounting of the product should follow manufacturer's instructions and should use a mounting accessory recommended by the manufacturer.
8. Ventilation - This unit may be equipped with slots and openings in the cabinet (housing) which are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should be not placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to. For products equipped with separate power adapters, leave at least 5cm (2in.) of free space on all sides and the top of the power adapter.
9. Power Sources - This product should be operated only from the type of power source indicated on the marking label (placed on the product and / or, if applicable, on a separate power adapter unit). If you are not sure of the type of power supply in your home, consult your product dealer or local power company. For products intended to operate from battery power or other sources, refer to the operating instructions.
10. Grounding and Polarity - some units for proper operation or to take full advantage of their capabilities may require to be connected to a grounded power outlet - refer to the user manual for more information.  
Some units or power adapters may have markings for the live (L) and neutral (N) conductors for power - in order to take full advantage of capabilities of such products, it is recommended to properly connect the polarity according to the markings on the unit - refer to the user manual for more information. Connecting the polarity not in accordance with the markings will not affect the durability and reliability of the device.
11. Power-cord Protection - Power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles and the point where they exit from the product or the power adapter.
12. Lighting - For added protection for this product during a lighting storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or system cables. This will prevent damage to the product due to lighting and power-line surges.
13. Overloading - Do not overload wall outlets, extension cords or integral convenience receptacles as this can result in a risk of fire or electric shock.
14. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Do not expose this apparatus and the power adapter to dripping or splashing and ensure that no objects filled with water, such as vases are placed on the apparatus or on the power adapter.
15. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

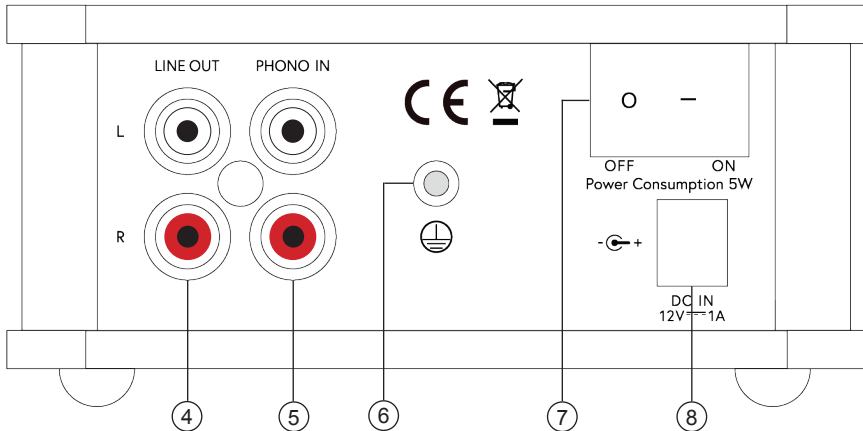
# Front and Rear Panel

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## Front Panel:

1. MM / MC Cartridge Selection Button
2. MM Cartridge Indicator
3. MC Cartridge Indicator

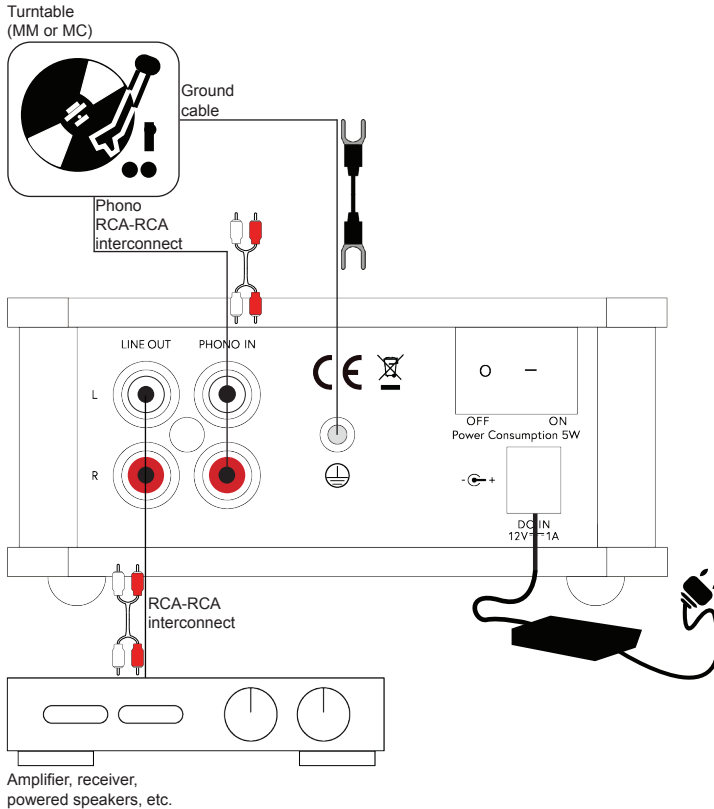


## Rear Panel:

4. Analog Stereo RCA Output LINE OUT (R and L)
5. Analog Stereo RCA Input PHONO IN (R and L)
6. Phono Ground Screw
7. Power Switch ( I – ON / O – OFF)
8. DC Power Input

# Hooking Up the Preamplifier



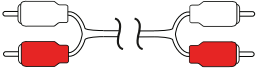
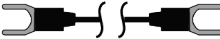


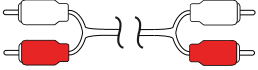
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1. Make sure the Preamplifier is turned off (the Power Switch is in the „O - OFF” position and the DC Adapter Cable is removed).
2. Make sure that your main amplification equipment (amplifier, receiver, powered speakers etc.), to which you want to connect this Preamplifier, is turned off.
3. Using a Phono RCA-RCA interconnect connect the turntable to the PHONO IN input. Screw in a ground cable of the turntable to the Phono Ground Screw. The PHONO IN input is compatible with turntables equipped with the MM and MC Cartridges.
4. Using an RCA-RCA interconnect connect the LINE OUT output to the line input of your main amplification equipment.
5. Your Preamplifier is ready for operation.

# Hooking Up the Preamplifier

External audio equipment connection options:

Analog Input / Output TTP-300	Analog Input / Output external equipment	Connection cable
<p>PHONO IN input</p>  <p>Phono Ground Screw</p>	<p>Phono output – RCA sockets Turntable (MM or MC)</p>  <p>Phono ground</p>	<p>Phono RCA-RCA interconnect (not supplied)</p>  <p>Ground cable (not supplied)</p> 
<p>LINE OUT output</p> 	<p>Input – RCA sockets Amplification equipment</p> 	<p>RCA-RCA interconnect (not supplied)</p> 

The sockets shown for external equipment and connection options may differ depending on the device.

## Operation

1. Plug the DC Adapter Power Cable to the Preamplifier and connect the power adapter to the wall outlet.
2. Turn on the Preamplifier – press the Power Switch (the Power Switch should be in the position “I - ON”).
3. The MM Cartridge Indicator will be illuminated and the Preamplifier will be ready to work with turntables equipped with the MM Cartridge.  
**Note!** The MM option is set as a factory default each time the Preamplifier is turned on.
4. If your turntable is equipped with the MC Cartridge - press the MM / MC Cartridge Selection Button – the MC Cartridge Indicator will be illuminated (the MM Cartridge Indicator will go off)
5. Turn on your main amplification equipment, choose the line input to which this Preamplifier is connected, turn on the turntable and start playback.

### Note!

**Turn ON procedure:** turn on the Preamplifier firstly and choose the type of Cartridge, then turn on your main amplification equipment.

**Turn OFF procedure:** turn off your main amplification equipment firstly and then the Preamplifier.



# Additional Information

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## Power filters and conditioners

The electricity network in our homes or workplaces is exposed to different interferences for instance electromagnetic interference (EMI) generated by appliances connected to the same network (refrigerators, air conditioners, computers etc.).

These interferences are not only produced inside your house or office but by all appliances in your building or even outside it and can differ on the time of day or week when the traffic on the electrical network changes.

All these interferences which we call noises can get into your AC power and interfere with your system.

This “dirty” electricity can have a negative effect on performance of your audio-video system.

We suggest using a TAGA Harmony power filter or conditioner filter which is a great way to limit the negative noises from your electricity and to isolate your system from the contaminated power, and works as a buffer between the wall socket and your gear helping to increase the longevity of the connected components.

# Serial Number

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Product serial number and additional information are located on the bottom of the Preamplifier.

# Specifications

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Input Impedance:	MM: 47Kohms/120pF   MC: 100ohms/120pF
Gain:	MM: 40dB   MC: 60dB
THD:	MM: 0.01%   MC: 0.05%
Output Voltage:	MM: 300mV at 3mV/1kHz   MC: 300mV at 0.3mV/1kHz
Noise Floor:	MM: 86dB (94dB - A weighted)   MC: 68dB (75dB - A weighted)
Max Output:	9.5V/1kHz
RIAA Equalisation:	20Hz - 20kHz / max. 0.5dB
Inputs:	RCA PHONO (MM/MC)
Outputs:	RCA LINE OUT
DC Adapter, Power Consumption:	AC-DC Adapter 100-240V 50/60Hz, 0.35A [Output DC 12V 1A] Operation max. 5W
Dimensions (H x W x D):	5.4 x 11.3 x 11.3 cm
Weight (net):	0.7 kg / pc.

We reserve the right to change the technical data and the design of the product without notice as a result of further development.

# Kit Content

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**We strongly advise to contact a professional installer or dealer in order to install TAGA Harmony products.**

**We recommend using high quality TAGA Harmony cables and other installation accessories.**

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## **Kit Content:**

Phono Preamplifier	1EA
AC-DC Adapter	1EA
Power Cable	1EA
Instruction Manual	1EA

## **EU declaration of conformity**

	<p>Your product is marked with the symbol shown on the left. As its manufacturer, hereby we declare that the product is in compliance with the following EU directives and regulations: 2014/30/EU (EMC) &amp; 2014/35/EU (LVD) &amp; 2011/65/EU (RoHS)</p> <p>The full text of the EU declaration of conformity is available from the manufacturer.</p>
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## **Disposal of the product**

	<p><b>Disposal of old electrical &amp; electronic equipment (applicable in the European Union and other countries with separate collection systems)</b></p> <p>This symbol on the product or on its literature and packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the appropriate collection point for the recycling of electrical and electronic equipment. By ensuring that this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and human health, which could be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local government office, your household waste disposal service or the shop where you purchased the product.</p>
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# Notes

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# Notes

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