

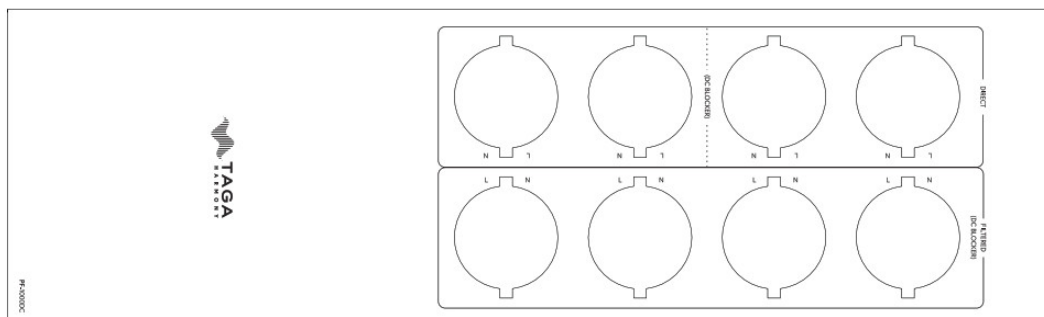


TAGA HARMONY PF-DC Series Power Noise Filters Instruction Manual

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PF-DC Series [230-240V] POWER NOISE FILTERS WITH DC BLOCKER FOR USE WITH AUDIO-VIDEO EQUIPMENT Instruction Manual



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Introduction

Thank you for purchasing this TAGA Harmony power filter.

PF-DC series power filters combine functions of power noise filtering and DC component blocking.

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 the performance of your audio-video system.

TAGA Harmony power noise filter is a great way to limit the negative noises from your electricity and to isolate your system from the contaminated power and has a feature to indicate and reverse the power phase in the output power sockets (selected models).

Built-in DC blocker removes or at least lowers the unwanted DC component of the supply voltage in the selected output power sockets, responsible for noises (buzzing) and higher operating temperature of transformers, which deteriorate the sound quality.

As a result, the connected audio-video devices work more quietly and efficiently as well as the main hum in speakers is significantly being reduced.

Thanks to the PF-DC power filters you will be able to enjoy a better quality of your audio and video equipment.

The contaminated electricity has also a negative impact on the internal circuits and power supplies of your equipment and because the PF-DC filter works as a buffer between the wall socket and your gear it will help to increase the longevity of connected components.

The voltage indicator located on the front panel of the PF-DC filter (selected models) helps to control whether the power voltage in the wall socket is stable.

The removable Schuko-IEC C13 power cable gives an option to upgrade the system with a premium audiophile power cable at any time.

Cleaning

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

Specifications and the latest instruction manual edition

Full technical specifications and the latest edition of the instruction manual are available on www.TagaHarmony.com.

Safety Instructions

IMPORTANT

READ THIS SECTION CAREFULLY BEFORE PROCEEDING!



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The triangle containing a lightning symbol is intended to alert the user to the presence of uninsulated dangerous voltages within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



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 TO RAIN OR MOISTURE, AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS.

CAUTION: TO PREVENT ELECTRIC SHOCK, FULLY AND SECURELY INSERT THE POWER CABLE PLUG INTO THE POWER OUTLET, AND THE POWER CABLE CONNECTOR INTO THE UNIT SOCKET (IF THIS UNIT IS NOT EQUIPPED WITH AN INTEGRATED [ATTACHED] POWER CORD).

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

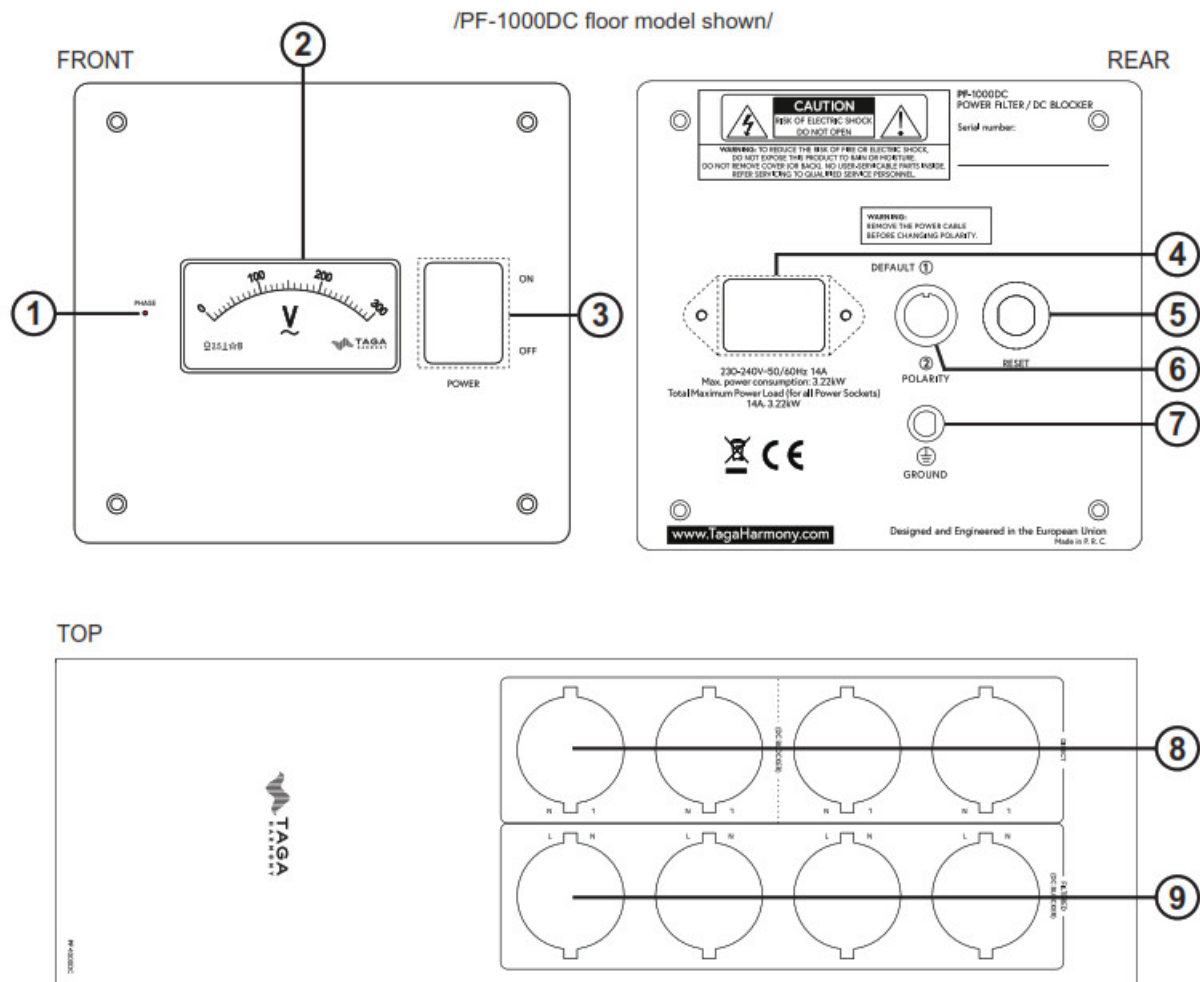
WARNING: THE UNIT MAY BECOME HOT. ALWAYS PROVIDE ADEQUATE VENTILATION TO ALLOW FOR COOLING. DO NOT PLACE THE UNIT NEAR A HEAT SOURCE, OR IN SPACES THAT CAN RESTRICT VENTILATION.

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 bathtub, washbowl, kitchen sink or laundry tub; in a wet basement; or near a swimming pool; and the like. These precautions also apply to the power cord.
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 the 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 another 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 a separate power supply unit, leave at least 5cm (2in.) of free space on all sides and the top of the power supply.
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 supply 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 may have markings for the live (L) and neutral (N) conductors for power – in order to take full advantage of the

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.
12. Lighting – For added protection for this product during a lightning 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 lightning 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 to dripping or splashing and ensure that no objects filled with water, such as vases are placed on the apparatus.
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.
16. Damage Requiring Service – Unplug this product from wall outlet and refer servicing to qualified personnel under the following conditions:
 - when power supply cord or plug is damaged;
 - if the liquid has been spilled or objects have fallen into the product;
 - if the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will require extensive work by a qualified technician to restore the product to its normal operation;
 - if the product has been dropped or damaged in any way;
 - if the product exhibits a distinct change in performance – this indicates a need for a service.
17. Replacement Parts – When replacement parts are required, be sure the technician has used replacement parts specified by the manufacturer or with the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
18. Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform a safety check to determine that the product is in proper operating condition.
19. Wall or ceiling mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
20. Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.
21. [Refer to products equipped with vacuum tubes] Tube Cage or cover – For your safety and to protect the vacuum tubes this product may be equipped with the factory-installed vacuum tube cage or cover. It is not recommended to remove the cage or cover unless it is required to change the vacuum tubes. When the cage or cover is removed – do not touch the vacuum tubes – they may be hot and burn the skin!
22. Operating Environment – Operating environment temperature and humidity of the unit: +5°C to +35°C (+41°F to +95°F); less than 85% RH (cooling slots not blocked).

Controls and Displays



1. Phase LED Indicator
2. Voltage Indicator Display
3. Power Switch [ON (I) and OFF (O)]
4. Power Cable Input
5. Reset Button
6. Polarity Switch

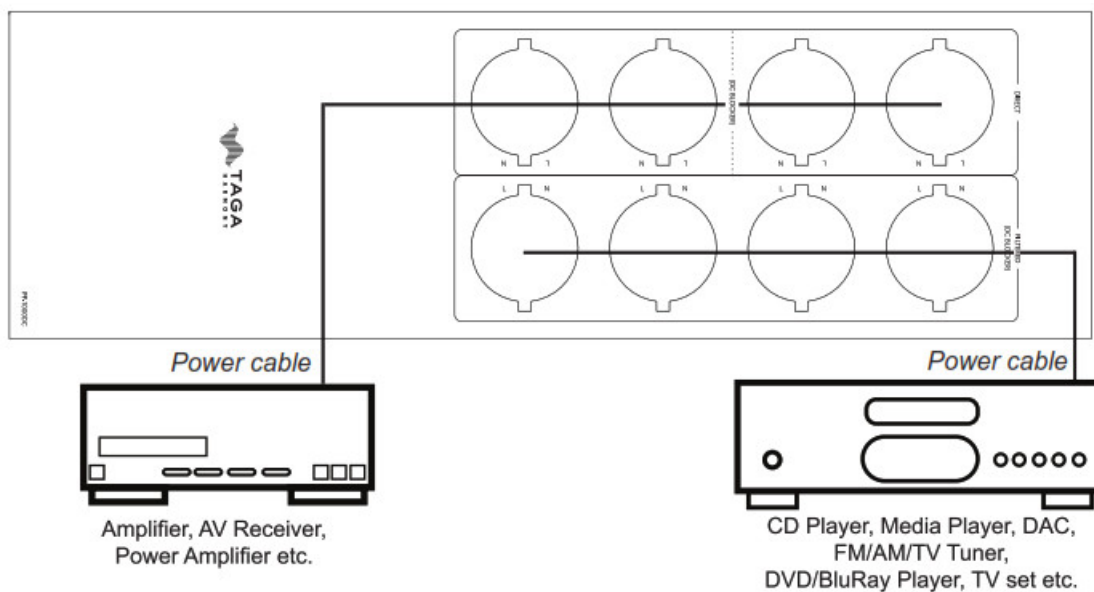


Never operate this switch when the filter is connected to the electrical outlet – this may damage the filter and/or connected devices – this may void your warranty.

Make sure to disconnect the Power Cable before operating the Polarity Switch!

7. Ground Screw
8. Power Sockets – DIRECT Output (non-filtered) with DC BLOCKER for marked sockets
9. Power Sockets – FILTERED Output with DC BLOCKER

Hooking Up the Filter



1. Make sure the filter is turned off (the Power Switch is in the down OFF position and the Power Cable is removed from the wall outlet).
2. Using power cables (only a power cable for the filter is supplied with this product) connect your audio-video equipment to the Power Sockets.

Follow the below recommendations:

FILTERED SOCKETS (these sockets are filtered. Electrical noises are filtered and limited) – connect here your audio-video sources (CD/DVD/BluRay/Media Player, Radio/TV Tuner, Digital-to-Analog Converter, Turntable, Preamplifier, Active Speakers etc.) and video display devices (TV Set, Video Projector etc.).

DIRECT SOCKETS (these sockets are not filtered) – connect here your amplification audio equipment (Integrated/Power Amplifier, AV/Stereo Receiver, Active Subwoofer and similar).

If you are experiencing problems with a noisy (buzzing) transformer of your equipment and/or mains hum audible in speakers, we recommend using sockets utilizing DC BLOCKER.



The recommendations for connecting audio-video equipment to the indicated power sockets may not be the optimal solution for all devices. To determine the power supply option for a given device that will provide the best quality of its operation, we suggest empirical tests by connecting the device to different power sockets: FILTERED, DIRECT and DIRECT (DC BLOCKER).

Note! Check „Operation” for other useful operating instructions.

3. Grounding is recommended for this filter. Using a solid, insulated cable (not supplied with this product) connect the Ground Screw with the ground source in a room.
4. Your filter is ready for operation.



We recommend using Schuko plugs in all power cables.

Total maximum power load (wattage rating): the total maximum power consumption for all connected devices to the filter should not exceed the maximum power load for this filter.

The total maximum power load for this filter is given in Kilowatts (kW) or Watts (W) and is printed on the filter. It is also available in the specifications on www.Tagaharmony.com.

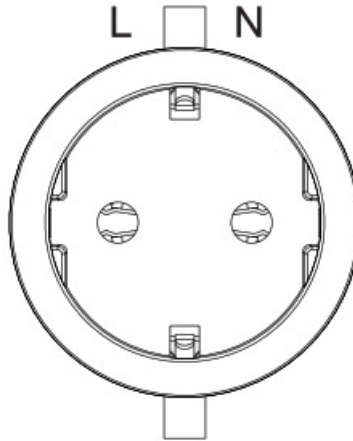
Operation



This unit requires a single-phase 3-conductor electrical outlet.

1. Make sure that the Polarity Switch is set as 1 (default).

It determines that the female contacts in the Power Sockets have polarity according to the L and N marking of the Power Sockets.



2. Plug the Power Cable to the filter and into the electrical outlet.
3. Turn on the filter (the Power Switch should be in the upper ON position).
4. Phase LED Indicator – the indicator WILL ILLUMINATE when the phase is INCORRECT.

If the phase is incorrect then:

- d1 – Remove the Power Cable from the electrical outlet;
- d2 – Set the Polarity Switch to 2;
- d3 – Connect the Power Cable to the electrical outlet;
- d4 – The Phase Indicator should not be illuminated – it means that the phase is correct.

If your audio-video equipment has the polarity marking (L/N) make sure to connect correctly the equipment power cable plug to the filter according to the polarity markings.

Never operate this Polarity Switch when the filter is connected to the electrical outlet – this may damage the filter and/or connected devices – this may void your warranty.

Make sure to disconnect the Power Cable before operating the Polarity Switch!

Setting the Polarity Switch to 2 will reverse the polarity in the Power Sockets of the filter (L → N and N → L).

Make sure to consider this when connecting the external equipment.

5. Turn on your audio-video equipment and enjoy your system.
6. Reset – the Power Output Sockets will be powered off when the maximum power load is exceeded (check on the rear panel or in specifications). Press the RESET button to restore the power supply.
7. Voltage indicator – whenever the power filter is turned on and connected to a properly working electrical outlet the voltage indicator will be displaying approximate current voltage in Volts.

Note! Indications of the voltage indicator are highly approximate and should not be taken into account for the professional assessment of the power line quality.

INCORRECT PHASE



At the date of this instruction manual, there is no unified standard in most European Union countries determining the position of the Live (L) and Neutral (N) wires in an electrical outlet. The term „incorrect phase” is an expression used in this manual only in relation to this device to determine the L and N positions in the output power sockets of the power filter.

POWER CABLES AND PHASE



The Live (L) and Neutral (N) wires in various power cables may be internally connected between the cable plug and the connector in a different way. If the Phase LED Indicator changes its status after the factory-provided Power Cable is swapped for another one, it is not a malfunction but a symptom that the new power cable has a different internal connection as abovementioned. If the Phase LED Indicator will illuminate then perform the steps required when the phase is incorrect and which are described in the point

“Phase LED Indicator” in this chapter.

- When you want to turn off the power filter we recommend turning off your audio-video equipment firstly.
- This power filter is not an uninterruptible power supply unit (UPS). It will not operate when the input power source fails (no power or too low voltage).

Notes

We strongly advise contacting a professional installer or dealer in order to install TAGA Harmony products. We recommend using high-quality TAGA Harmony cables and other installation accessories.

Kit Content:

Power Filter 1 EA

Power Cable 1 EA

Instruction Manual 1 EA

EU declaration of conformity



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) & 2014/35/EU (LVD) & 2011/65/EU (RoHS)

The full text of the EU declaration of conformity is available from the manufacturer.

Disposal of the product

For EU (European Union) member users:

Disposal of old electrical & electronic equipment (applicable in the European Union and other countries with separate collection systems)



Waste electrical and electronic equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product. 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 the recycling of this product, please contact your local government office, your household waste disposal service or the shop where you purchased the product.

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Documents / Resources

   	TAGA HARMONY PF-DC Series Power Noise Filters [pdf] Instruction Manual PF-DC Series, Power Noise Filters, PF-DC Series Power Noise Filters
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