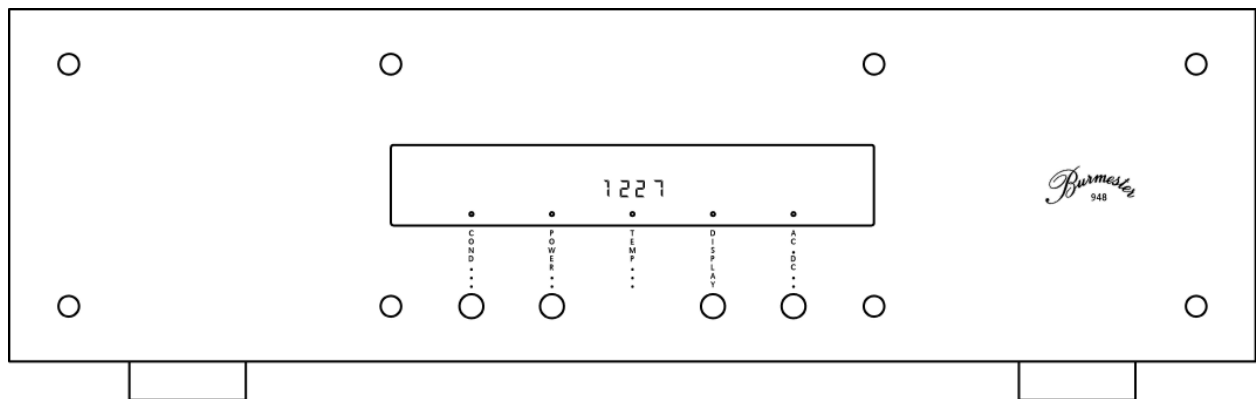


OWNER'S MANUAL

POWER CONDITIONER

948



Burmester
ART FOR THE EAR

HIGH END MADE IN GERMANY

Dear Audiophile,

Thank you for choosing this Burmester audio component. We sincerely appreciate your trust in us.

You have purchased a unit which excels in musical fidelity and combines uncompromising manufacturing quality with technical innovation and the highest degree of operating flexibility.

We recommend reading this user manual at least once in its entirety before initial operation. This will enable you to make full use of all capabilities of this outstanding audiophile instrument. Should you have any further questions, please contact your dealer or us directly.

You decide if we meet the demands of producing high-end components. We offer an additional service, which also demonstrates high-end quality.

Talk to us about your special requests, even if they seem out of the ordinary. We happily accept technically reasonable challenges.

Enjoy your enhanced listening pleasure.

Your Burmester Team

CONTENTS

THE CONCEPT	1
UNPACKING AND SETTING UP	1
FUNCTIONAL OVERVIEW OF FRONT AND REAR PANEL	2
CONNECTIONS	3-4
OPERATING CONTROLS	5
ERROR PROTECTION	5
GENERAL INSTRUCTIONS	6
TECHNICAL SPECIFICATIONS	7

THE CONCEPT

- The first high - end power conditioner which completely isolates an audio/video system from high – as well as from low - frequency power line noises.
- Active DC compensation (patented) eliminates low - frequency line noise, which causes transformer hum.
- 8 power outlets for connecting all components of an audio/video system, with all grounds connected to a single point.
- 2 independent AC line filters; allows separation of power supply for digital and analog components.
- Remote on/off possible for entire audio/video system or distributed to selected power outlets.
- Display switchable between indicators for AC voltage or DC portion of mains voltage from the wall outlet.

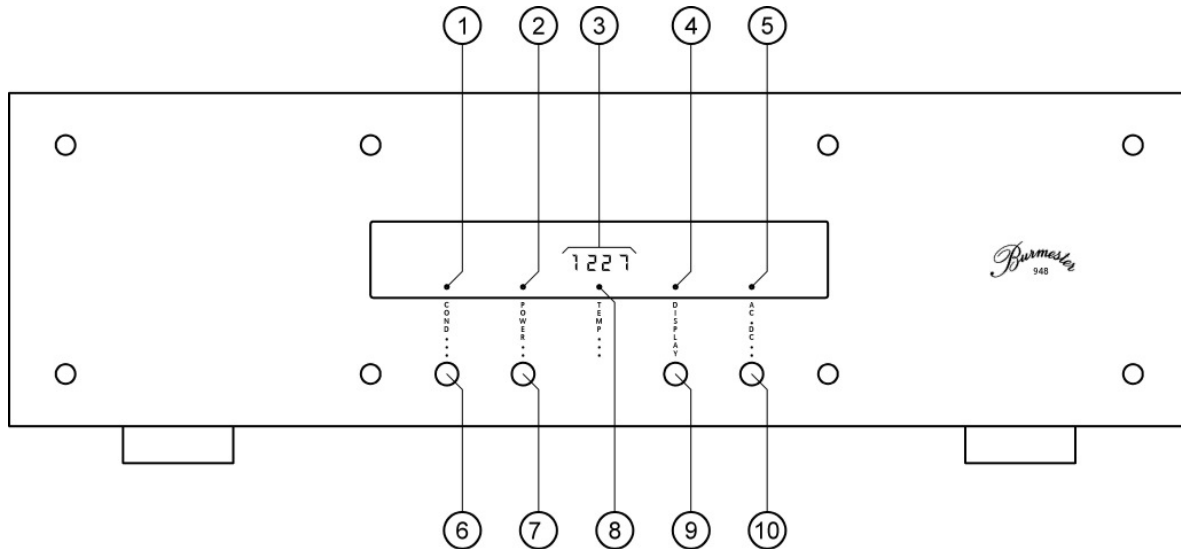
UNPACKING AND SETTING UP

CAUTION: The power conditioner 948 is very heavy. To avoid injury during unpacking and set-up, this should only be done by persons who are accustomed to handling such weights. The power conditioner 948 is shipped inside a plastic protective cover. Make sure that children do not play with it to avoid the danger of suffocation.

Unpacking	To avoid damaging the housing, please do not use pointed or sharp tools to open the box. Please make sure that the content of the box is complete. If something is missing or you notice any damage while unpacking, do not hook up the unit. Instead, contact your authorized dealer.
Content of box	The box should contain the following: <ul style="list-style-type: none">• 1 Power conditioner 948• 1 AC power cord• 1 Owner's manual
Packaging	We recommend keeping the original packing in case the unit needs to be shipped in the future.
Setting up	Carefully remove the unit from its packaging and set it up in an appropriate location. To protect the 948 from overheating make sure that the location offers sufficient air circulation around the unit. Also, avoid excessive exposure to sun, dust and humidity. Ventilation ducts and openings in the housing serve to keep the unit cool. They must not be covered up with magazines, tablecloth, curtains etc. If the 948 has to be operated in an extremely warm environment it may be necessary to supply additional ventilation. Avoid operating the unit in an excessively humid environment like bathrooms etc.

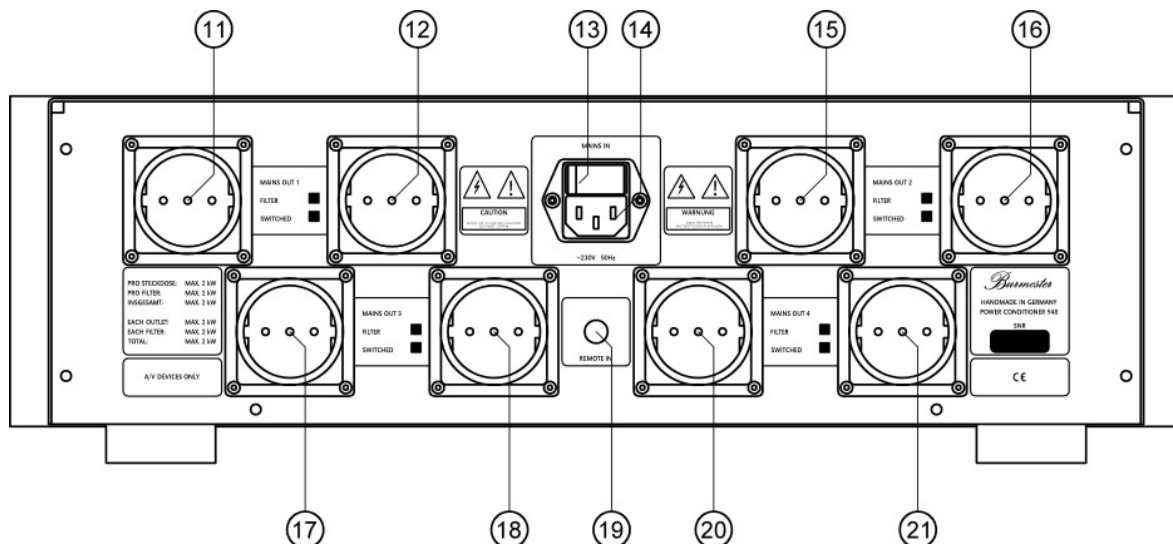
FUNCTIONAL OVERVIEW

FRONT PANEL



- | | |
|---|---|
| <p>(1) Conditioner LED displays conditioner function</p> <p>(2) Power LED illuminates when the unit is on</p> <p>(3) Display of AC voltage or DC portion in mains voltage</p> <p>(4) Stand-by LED indicates stand-by mode</p> <p>(5) AC•DC LED illuminates when showing DC voltage</p> <p>(6) Conditioner button activates conditioner function</p> | <p>(7) Power button switches Power Conditioner on and off</p> <p>(8) TEMP LED illuminates when max. allowable temperature is exceeded</p> <p>(9) Display button switches numeric display on or off</p> <p>(10) AC•DC button switches display from showing AC voltage in V to showing DC portion in mV</p> |
|---|---|

REAR PANEL



- | | |
|---|--|
| <p>(11) AC outlet MAINS OUT 1</p> <p>(12) AC outlet MAINS OUT 1</p> <p>(13) AC mains switch</p> <p>(14) AC mains terminal</p> <p>(15) AC outlet MAINS OUT 2</p> <p>(16) AC outlet MAINS OUT 2</p> | <p>(17) AC outlet MAINS OUT 3</p> <p>(18) AC outlet MAINS OUT 3</p> <p>(19) Remote input terminal to turn the power conditioner 948 on remotely</p> <p>(20) AC outlet MAINS OUT 4</p> <p>(21) AC outlet MAINS OUT 4</p> |
|---|--|

* Picture shows European version, AC outlets may vary for other countries.

CONNECTIONS

All terminals for hook up are located on the rear panel. While connecting the power conditioner, all components of the music system must be turned off.

CAUTION: Before connecting the unit please check, if the input voltage of the 948 is equal to the local voltage of your wall outlet. Make sure, the ground lead in your power outlet is working correctly. A missing or faulty ground is extremely dangerous!

In case of doubt, contact a licensed electrician.

AC mains terminal Make sure the **AC mains switch (13)** is set to OFF. Connect the appliance connector of the power cord to the **AC mains terminal (14)**. Then plug the power cord into the wall outlet. In order to attain optimal listening pleasure you should connect the side of the power cable's power plug, which is marked with a dot, to the 'hot' phase of the wall outlet. The 'hot' phase is then also marked with a dot on the AC outlets of the Power Conditioner. Should you encounter difficulties in finding the 'hot' phase of your AC wall outlet or should you have additional questions on the set - up of the 948, please contact your authorized dealer.

AC outlets / filters The power conditioner offers eight AC outlets for connecting audio/video equipment, divided into four groups. The distribution of the filters to the AC outlets is labelled on the rear of the unit (FILTER). Should you wish a different distribution of the power filters to the AC outlets, please contact your authorized dealer. In the standard version, the 948 offers unfiltered mains voltage for the groups **MAINS OUT 3 (17, 18)** and **MAINS OUT 4 (20, 21)**. The AC outlets of the groups **MAINS OUT 1 (11, 12)** and **MAINS OUT 2 (15, 16)** have separate filters. The activated DC compensation affects to all eight AC outlets.

The total power consumption of all connected components should not exceed 2000 W.
The maximum power of each AC outlet should not exceed 2000 W.

CAUTION: Don't touch the AC outlets of the power conditioner during operation, because the AC outlets have dangerous voltage. Always use assembled AC cords to connect your audio/video equipment to the power conditioner.

Recommended set-up For optimized operation of the 948 power conditioner we recommend connecting your audio/video equipment as follows:

MAINS OUT 1 (FILTER1) : Preamplifier, Phono Preamplifier, Turntable, FM Tuner

MAINS OUT 2 (FILTER2) : various digital equipment, like D/A converter, CD player, DVD player

MAINS OUT 3 und 4: variable amplifiers with larger power handling

Should you be using very powerful amplifiers with a continuous power consumption of more than 500W, we recommend hooking them up to the wall outlet parallel to the 948. The conditioner function suppressing DC voltage has a parallel effect on all wall outlets and all connected components.

Remote input

The **remote input terminal (19)** is located on the rear panel beneath the **AC mains terminal (14)**. This input offers the possibility to switch the 948 on or off from your preamp or D/A converter. To use this function, the remote in terminal of the 948 has to be connected with the remote output terminal of the preamp or D/A converter with a suitable cable. The units which are connected to their respective AC outlets will be turned on at the same time.

Please understand that we do not include this remote cable, since each customer requires individual cable lengths. Of course you may request a cable from us or from any authorized dealer in the necessary length at no charge when mailing in your warranty certificate.

The distribution of the remote on/off function to the AC outlets is labelled on the rear of the unit (SWITCHED).

In the standard version only the power conditioner is turned on or off by the remote function. For other options of remote on/off functions, please contact your authorized dealer.

OPERATING CONTROLS

With the exception of the AC mains switch, all operating controls are located on the front panel. To operate the unit it must be connected to the AC supply.

- AC mains switch** The **AC mains switch (13)** which turns AC power to the unit on and off is located on the rear panel above the AC mains terminal. By switching to the ON position the transformers are powered up, the AC outlets are switched on and the **stand-by LED (4)** lights up.
- Power button** The **power button (7)** switches the power conditioner on and off. When the unit is switched on, the **power LED (2)** will illuminate. While turned off, the **stand-by LED (4)** lights up, indicating that the unit is in stand-by mode.
Always use the **power button (7)** first to switch off the unit before setting the **AC mains switch (13)** to OFF.
- Conditioner button** Pressing the **conditioner button (6)** switches the automatic DC compensation on and off. The activated DC compensation is indicated by the **conditioner LED (1)**. If the DC compensation is activated and the **display (3)** is switched to show the DC portion of the mains voltage, the value displayed will decrease to about zero.
- AC•DC button** Pressing the **AC•DC button (10)** switches the **display (3)** of the power conditioner between showing the AC voltage (**AC•DC LED (5)** is off) and showing the DC portion of the mains voltage (**AC•/DC LED (5)** is on).
- Display button** The display of the power conditioner can be turned off with the **display button (9)**. All functions of the unit remain active. Pressing the **display button (9)** again, turns the display back on.

ERROR PROTECTION

The power conditioner 948 has a sophisticated protection circuitry which is designed to protect the unit in case of a failure.

- Overheating** In the event, that the unit exceeds the maximum allowable operating temperature, the overheat protection automatically switches off the DC compensation. This will be indicated by the illuminated **TEMP LED (8)**, while the **conditioner LED (1)** turns off. When the unit has cooled off, the conditioner function can be reactivated by pressing the **conditioner button (6)**.

GENERAL INSTRUCTIONS

- Operating temperature** An operating temperature that is too high or too low may cause malfunctioning. We therefore recommend letting the 948 sit for a while after unpacking and before connecting and operating it.
- Terminals** The pins of the connecting terminals on the back panel should not be touched by fingers under any circumstances. Static discharges may damage the electronic circuitry inside the unit.
- Heat development** Be careful when touching the housing – it may get quite warm during operation.
- Reset** If the unit does not react when pressing the control keys on the front it may be reset to normal operation by switching it off and back on using the AC mains switch in the back.
- Lightening strikes** During the summer months, malfunctions often occur due to voltage spikes in the power lines after lightning strikes. Completely unplugging the power cord offers the only effective protection. Merely switching the 948 off does not suffice since voltage spikes are able to arc over separated contacts.
- Interconnects** We supply custom-made balanced as well as unbalanced interconnect cables and speaker cables of any length to ensure highest-quality signal paths for our components. The impedance of our cables is ideally matched to all BURMESTER components. For the cleanest power supply we recommend our triple-shielded power cord BURMESTER-POWER.
- Fuses** The fuses are located inside the unit and should be changed only by a qualified technician.
- Voltage** Check before operating the 948 to see if the voltage setting shown on the back panel below the AC mains input conforms to voltage of your household power supply. Any change should only be done by an expert.
- Warranty** We offer warranty for this unit provided the 948 has been hooked-up and operated correctly, is mechanically undamaged. Opening the unit, modifying it or dismantling outlets will void the warranty.
- Care** Never clean the housing with a wet cloth or chemical cleaning agent. Always make sure that no liquid gets into the housing.
- CAUTION** **Before opening the housing or changing the fuses always unplug the unit from the wall outlet. DANGER OF ELECTRIC SHOCK!**

TECHNICAL SPECIFICATIONS

Dimensions	Width x Height x Depth	482 x 155 x 400mm (19.0 x 6.1 x 15.7 inches)
Weight		13kg (28.6 lbs)
Mains voltage and fuses	for 200V - 240V 50/60Hz	2 x slo 1A E ; 3 x slo 250mA E
	for 100V - 127V 50/60Hz	2 x slo 3.15A E ; 3 x slo 250mA E
Power consumption	Stand-by	8W
	Power on	10W
	Full load (max.)	2000W

PLEASE NOTE: The dimensions do not include the length of binding posts and the space needed for plugs of interconnect cables.

The technical data and design of this product are subject to change without notice.