

Emperor Preamplifier User Manual



This product complies with European Union directive LVD 2014/35/EU, ERP 2009/125/EG, EMC 2014/30/EU and RoHS 2011/65/EU

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IMPORTANT SAFETY AND INSTALLATION INSTRUCTIONS

WARNING: Do not remove the product's covers. This product contains no user serviceable parts.

WARNING: To reduce the risk of electric shock or fire, do not expose this product to rain or moisture.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of an uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

SAFETY INSTRUCTIONS

WARNING: To prevent the risk of electric shock please carefully read and follow the instructions below.

1. Before attempting to use this product please read all of the safety and installation instructions and the explanation of safety symbols in this manual

2. This product must be grounded. This reduces the risk of electric shock in the event of a malfunction. This product is supplied with a power supply cable that incorporates a conductor to connect the equipment to ground and a power plug that incorporates a grounding pin. The plug must be connected to a power outlet that incorporates a ground connection and which has been properly installed and grounded in accordance with all the appropriate regulations. If the power cable or plug shows any signs of damage, please consult a qualified service technician.

DANGER: Incorrect connection of the equipment's grounding can result in a serious risk of electric shock. Under no circumstances should the cable or plug provided with this product be modified. If it will not fit in the power outlet, contact your supplier for a power cable fitted with the appropriate plug, or have an appropriate outlet installed by a qualified electrician.

NEVER use an adaptor that defeats the ground connection. This can have potentially fatal consequences.

If you have any doubt as to whether your product is properly grounded, please consult a qualified electrician.

3. The product is designed solely for operation indoors in audio and video systems in domestic environments.

4. Do not use this product in an environment that is damp or has a high relative humidity, or that is near water, such as close to a bath tub, wash basin, kitchen sink, in a damp basement, or near a swimming pool or other similar environment. Moisture can bypass the electrical insulation and pose a risk of lethal electric shock.

5. This product in combination with loudspeakers may be capable of producing sound levels that could cause permanent hearing loss. Do not operate at a high-volume level, or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.

6. Do not block the ventilation slots on the top and bottom of the product. If you are positioning the product on top of a carpet, ensure that the carpet pile does not obstruct the ventilation slots on the bottom of the product. If you are placing the product on a soft surface which will come closer to the underside of the unit than the height of the feet, place a suitable flat, hard base under the product.

If you are placing the product in a cabinet, ensure that there is adequate ventilation.

7. Do not position the product near naked flames, or other sources of heat such as radiators, heaters or ovens.

Note that electric equipment, including some amplifiers, may heat up significantly during operation.

8. The product should only be connected to a power supply of the type shown on the product's rear panel by the power inlet.

9. If the product is to be left unused for a prolonged period of time, the power supply cable should be removed from the outlet.

10. Always remove cables by holding the connector. Never pull or twist the cable itself.

11. When connecting cables always ensure that the connectors are of the appropriate type and are properly aligned. Never use excessive force when inserting a plug into a socket. If a plug will not easily fit into the socket, find out why.

12. Arrange the power cable in such a way that there is no risk of it being damaged e.g. by being stepped on, by having anything placed on top of it, by someone tripping over it, having anything rolled over it, being abraded by sharp edges or by being bent in an excessively tight radius. Failure to observe these precautions may create the possibility of a fire risk and/or personal injury.

13. If the product is to be placed on a rack, stand or other supporting device, ensure that it is capable of safely supporting the weight of the product.

14. Do not allow any liquids, or foreign objects to enter the product. If this happens, immediately switch the product off and disconnect it from the power outlet, then contact qualified service personnel for assistance.

15. Always unplug the unit from the wall outlet before cleaning. All that is required is a wipe with a dry cloth or duster. Never use paint thinners or any other kind of solvent to clean this product. These constitute a fire hazard and may also damage certain plastics.

16. If you notice an abnormal smell, or smoke coming from the product, immediately switch the product off and disconnect it from the power outlet, then contact qualified service personnel for assistance.

17. In the event of any of the following occurring, you should seek the assistance of qualified service personnel.

- a. There is damage to the power supply cable or plug.
- b. The product has been exposed to rain.
- c. Objects have fallen on to the product, or liquid has been spilled and entered the product.
- d. The product does not appear to be operating normally, or exhibits a marked change in performance.
- e. The product has been dropped or the enclosure has been damaged.

18. Extreme temperature fluctuations, high humidity and extended exposure to light can damage the product and alter its appearance.
19. Observe the operating instructions of the equipment connected to this product.
20. Do not attempt to service the product beyond that described in this manual. All other servicing should be referred to qualified service personnel.

SIMPLIFIED EU DECLARATION OF CONFORMITY

DDD Manufactur GmbH hereby declares that this equipment is in compliance with directive LVD 2014/35/EU, ERP 2009/125/EG, EMC 2014/30/EU and RoHS 2011/65/EU.

1. INTRODUCTION

Thank you for selecting the German Physiks Emperor preamplifier. Three balanced and three unbalanced inputs are provided to allow it to be connected to a wide range of sources. There are also two sets of unbalanced and two sets balanced outputs, allowing it to be used in a multi-amp system.

It is supplied with an infra-red remote control which will operate the unit's principle functions.

Two 12V trigger outputs are provided. When these are connected to devices with compatible trigger inputs, switching the Emperor preamplifier on will automatically switch these units from standby mode to on. Switching the Emperor preamplifier off, will automatically switch these units back to standby mode.

2. HOW TO USE THIS MANUAL

This manual is intended to give you all the information you need to safely install, connect, configure and use the German Physiks Emperor preamplifier.



Please read this manual carefully before attempting to install or use this product. Failure to follow instructions in this manual may result in damage to the product which will not be covered by the warranty.

Please keep this manual in a safe place so that you can refer to when necessary.

Please observe all warning notices on the product and in this manual. If you have not already done so, please review the safety instructions on page 3 of this manual.

3. UNPACKING YOUR PREAMPLIFIER



The preamplifier weighs approximately 30kg (66lbs). To avoid the risk of personal injury, it must not be lifted by one person alone. Always have help when lifting the amplifier out of the shipping carton.

Please keep all of the packing materials in case you need to ship the preamplifier. If you need to ship the preamplifier, you must use the original shipping carton. The use of any other packing may result in the product sustaining damage in transit. Such damage is not covered by the warranty. Replacement shipping cartons may be obtained via your German Physiks dealer, national distributor, or directly from the factory.

After unpacking please confirm that you have the following items:

Item	Quantity	Description
1	1	Emperor Preamplifier
2	1	Leather case containing the user manual
3	1	Power lead
4	1	Cleaning cloth
5	1 pair	Cotton gloves

If any of these items is missing please contact the supplier.



Check that the power lead supplied is fitted with a plug that matches the power outlet you plan to use.

4. POWER SUPPLY

This product should only be connected to a power supply with a voltage included in the range indicated on the back panel as shown below in figure 1. The actual format of the labelling may differ from the picture below, but the meaning will be clear.



Figure 1. Product operating power supply indication label.

Ensure that the maximum power supply voltage does not exceed the upper limit of the operating voltage range that the unit has been set for, otherwise serious damage may occur. If the voltage of the power supply that you intend to use is not within the range indicated on the unit's back panel, do not connect the unit to the supply and consult your dealer.

5. LOCATION

The preamplifier may be placed on a stand or shelf, provided it is safely able to support its weight.

It may also be placed directly onto the floor, provided that the ventilation slots on the underside of the preamplifier are not obstructed by a carpet or other floor covering. The clearance between the underside of the preamplifier and the floor covering should be the same as it would be if the preamplifier was placed on a hard surface. If necessary, find a means to raise the preamplifier up to ensure the necessary clearance, or place it on a flat base.

Do not place anything on top of the preamplifier, as this may obstruct the ventilation slots on its upper surface.

Whilst the preamplifier's power supply has been designed to have a low external magnetic field, we recommend that it is not sited close to sensitive items such as phono cartridges or phono stages.

Where ever the preamplifier is located, allow a clearance of at least 5cm (3.5") above the unit.

A clearance of at least 15cm (6") should be allowed behind the preamplifier so that cables may be routed without the need to impose sharp bends.

6. FRONT PANEL CONTROLS AND FUNCTIONS

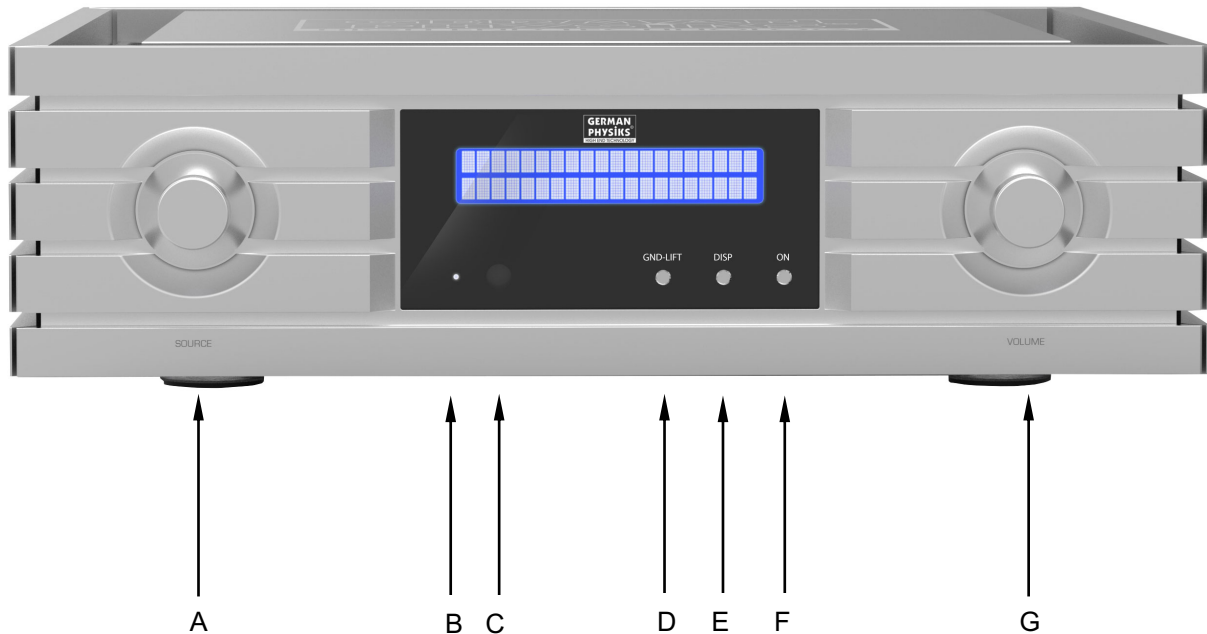


Figure 2. Emperor preamplifier front panel.

- A. **Source selector:** Rotate this to select the desired input.
- B. **Power indicator:** Indicates that power is connected to the preamplifier.
- C. **Remote control receiver window:** Do not obstruct this, otherwise operation of the remote control may be impaired.
- D. **Ground lift switch:** This disconnects the preamplifier's signal ground from the chassis safety ground and is useful in eliminating hum when this is caused by a ground loop. This is where there is more than one ground connection between two pieces of audio equipment, thus forming a loop. This can act as a single turn coil and stray magnetic fields from nearby equipment and/or power cables can induce a mains frequency current in this loop, which then produces a hum that is heard from the loudspeakers. If this is the cause of hum in a system, using the ground lift switch to break this loop will stop the hum.
- E. **Display brightness button:** Successive presses of this button cause the display brightness to repeatedly step from maximum to minimum, to off. If the display has been switched off, it will come on for a few seconds when another control is used.
- F. **On switch:** Wakes the unit from standby into normal operation.
- G. **Volume control:** Rotating the control clockwise will increase the volume level and rotating it counter-clockwise will reduce the volume level. After switching the unit on and before playing music, always check that the volume control has been set to a safe level. Failure to do this may result in the music being unexpectedly loud, which in extreme cases may damage your loudspeakers.

6. REAR PANEL FEATURES AND FUNCTIONS

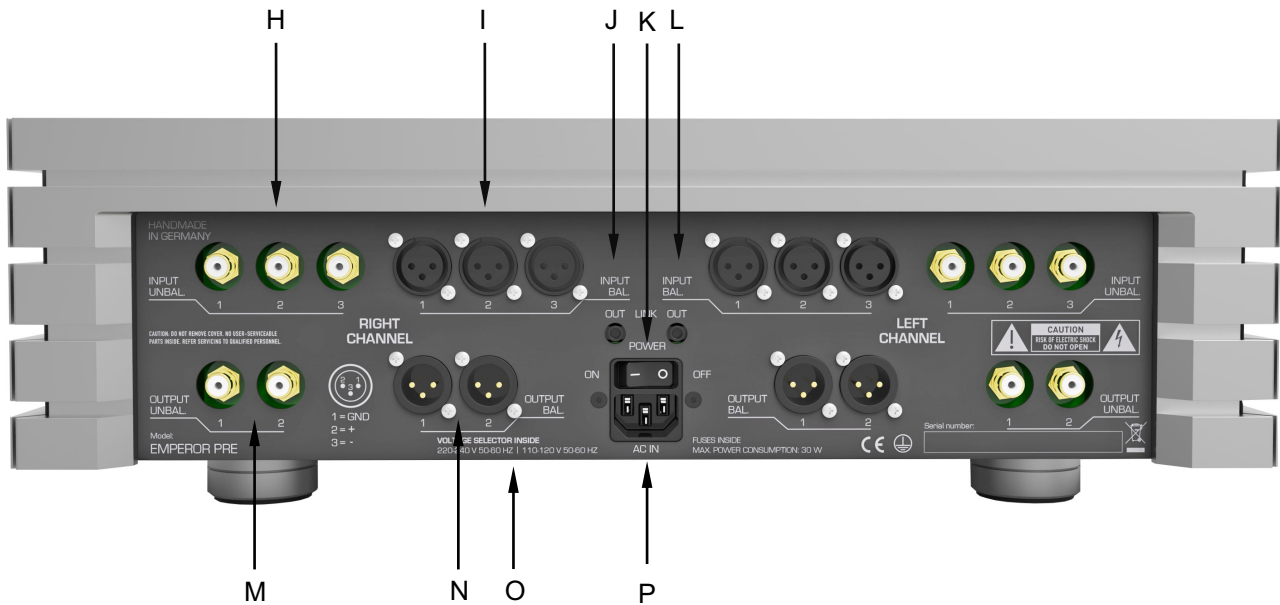


Figure 3. Emperor preamplifier rear panel.

The signal input and output connectors shown are for the right channel. The connectors for the left channel are arranged in a mirror image of the right channel and are easy to identify.



NEVER make or break connections when the preamplifier is switched on. Failure to observe this precaution could result in damage to your loudspeakers.

H. Unbalanced input connectors: Connect to sources having unbalanced outputs.

I. Balanced input connectors: Connect to sources having balanced outputs. If a source has both balanced and unbalanced outputs, we recommend that the balanced input is used as this will usually produce superior results.

J. 12V trigger output: When connected to another device that has a compatible input, switching the Emperor preamplifier on will automatically switch this unit from standby mode to on. Switching the Emperor preamplifier off, will automatically switch this unit back to standby mode. This is most often used in home theatre systems to control projectors and motorised screens, where, due to their location, easy access to their power switches may not be available.

K. Power switch: This is the main power switch. When installing the unit, this should be in the off position as shown in figure 3.

L. 12V trigger output: When connected to another device that has a compatible input, switching the Emperor preamplifier on will automatically switch this unit from standby mode to on. Switching the Emperor preamplifier off, will automatically switch this unit back to standby mode.

M. Unbalanced outputs: Connect to the power amplifier unbalanced input.

N. Balanced outputs: Connect to the power amplifier balanced input. Where possible we recommend that this output is used as it will generally produce superior results.

O. **Power supply label:** Shows which power supply voltage range the unit has been set for.



If this does not cover the voltage of the power supply you plan to use, do not attempt to use the preamplifier and consult your dealer.

P. **Power inlet:** Insert the power cable here.

7. USING THE PREAMPLIFIER IN A STANDARD SYSTEM

This section describes how to connect and set up the Emperor preamplifier for use in a standard 2-channel system with passive loudspeakers as shown in figure 4. For the purpose of this description we have assumed that a stereo power amplifier will be used and for convenience have shown an illustration of the German Physiks Emperor Stereo power amplifier. A pair of mono power amplifiers could be used, as could amplifiers from other manufacturers, though we cannot guarantee that they will sound as good as German Physiks electronics.

We have also assumed that this is an established system and the only thing being changed is the preamplifier. If any other components in the system are also being changed, please refer to the user manual of the item(s) concerned for guidance.

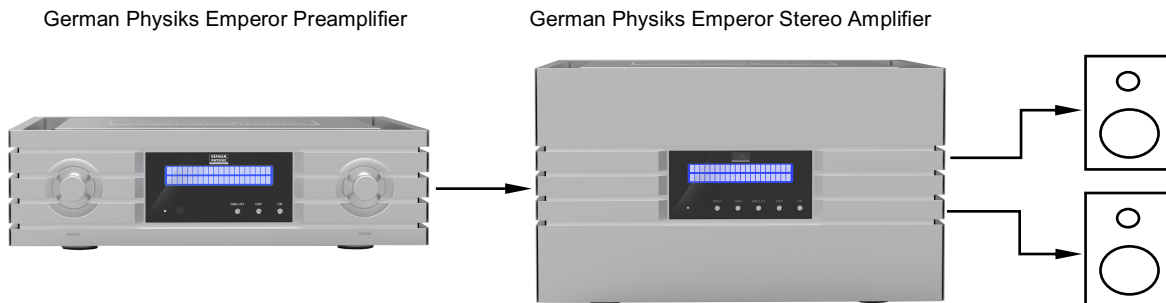


Figure 4. Standard 2-channel system.

1. Ensure that all equipment in the system is switched off.



NEVER make or break connections to any amplifier when it is switched on. Failure to observe this precaution could result in damage to the amplifier and your loudspeakers.

2. Connect right channel output of your main source to either, one of the preamplifier's right channel unbalanced inputs (figure 3, H), or one of its right channel balanced inputs (figure 3, I). Where possible, we recommend that you use the balanced inputs for your main sources, as this will usually produce superior results.

Connect the left channel output of this source to the matching left channel input of the preamplifier – for example, if you have used the right channel unbalanced #2 input, you must also use the left channel unbalanced #2 input.

Repeat this procedure with the remaining sources.

Make sure that all the plugs are pushed fully home into their sockets and that the left and right channels for each source are not accidentally swapped over.

Try to arrange for the input cables to be separated as much as possible from where power cables will run. This will reduce the chance of hum and other mains borne noise being picked up by the inputs.

3. Connect the preamplifier right channel unbalanced output, figure 3, M, or right channel balanced output, figure 3, N, to the power amplifier right channel input. Where possible we recommend that a balanced connection is used as this will generally produce superior results.

There are two unbalanced and two balanced outputs and these are both numbered 1 and 2. In each pair the signal from outputs 1 and 2 is the same. For neatness sake, we suggest that you use the number 1 output of the pair chosen.

4. Repeat step 3 to connect the preamplifier's left channel output to the power amplifier left channel input.

5. Confirm that the preamplifier main power switch is set to the off position as shown in figure 3, K, then insert the power lead into the preamplifier's rear panel power inlet, figure 3, P, ensuring that it has been pushed fully home.

6. Plug the other end of the power cable into the power outlet on the wall, or the power extension block that you are using. If there is a switch on this, set it to on now.

7. Switch on the power switch on the preamplifier's rear panel, figure 3, K. The front panel power indicator, figure 2, B, should now come on.

8. Switch the preamplifier on by pressing the front panel **On** button, figure 2, F. Allow 30 seconds for the amplifier to stabilise.

9. Rotate the **Volume** control, figure 2, G, anti-clockwise and set the volume to minimum.

10. Rotate the **Source** control, figure 2, A, to select the input connected to the source that you are going to use.

11. Switch on your music source and allow it to stabilise. Do not start it playing yet.

12. Switch on the power amplifier and allow it to stabilise. This will usually take about 30 seconds but please refer to the user manual for the amplifiers you are using.

13. Start the music source playing, then slowly turn the preamplifier **Volume** control clockwise until a comfortable listening level is achieved.

8. USING THE PREAMPLIFIER IN A BI-AMPED SYSTEM

In a bi-amped system, each loudspeaker is driven by two separate power amplifiers. With a 2-way loudspeaker, one amplifier drives the loudspeaker's high-frequency driver and the other the low-frequency driver. Such a system is shown in figure 5. With a 3-way loudspeaker, the second amplifier is used to drive the low-frequency and mid-frequency drivers. You could also use a separate power amplifier to drive each section of a 3-way loudspeaker. This is called tri-amping and is more common on very large loudspeakers such as our Emperor and Gaudi models, where it can yield significant benefits.

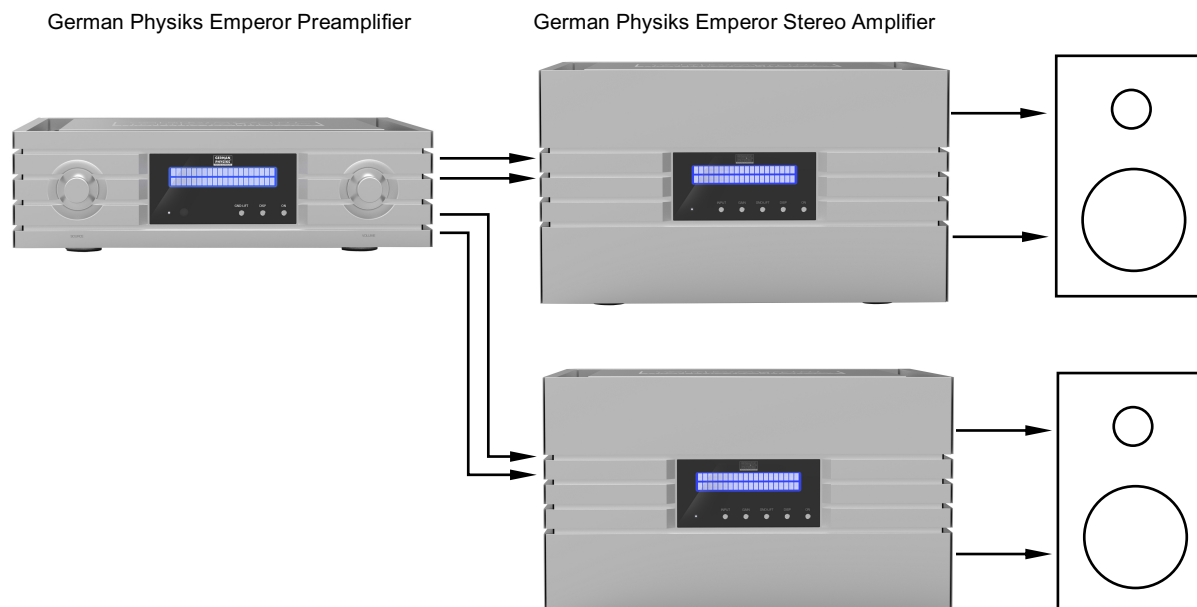


Figure 5. Bi-amped stereo system.

For the purpose of this description we have assumed that a stereo power amplifier will be used for each channel and for convenience have shown an illustration of the German Physiks Emperor Stereo power amplifiers. Four mono power amplifiers could be used, as could amplifiers from other manufacturers, though we cannot guarantee that they will sound as good as German Physiks electronics.

Bi-amping can produce an improvement in clarity, as the power amplifiers driving the high-frequency drivers are relieved of the more strenuous task of driving the low-frequency and mid-frequency drivers.

We have also assumed that this is an established system and the only thing being changed is the preamplifier. If any other components in the system are also being changed, please refer to the user manual of the item(s) concerned for guidance.

1. Ensure that all equipment in the system is switched off.



NEVER make or break connections to any amplifier when it is switched on. Failure to observe this precaution could result in damage to the amplifier and your loudspeakers.

2. Connect right channel output of your main source to either, one of the preamplifier's right channel unbalanced inputs (figure 3, H), or one of its right channel balanced inputs (figure 3, I). Where possible, we recommend that you use the balanced inputs for your main sources, as this will usually produce superior results.

Connect the left channel output of this source to the matching left channel input of the preamplifier – for example, if you have used the right channel unbalanced #2 input, you must also use the left channel unbalanced #2 input.

Repeat this procedure with the remaining sources.

Make sure that all the plugs are pushed fully home into their sockets and that the left and right channels for each source are not accidentally swapped over.

Try to arrange for the input cables to be separated as much as possible from where power cables will run. This will reduce the chance of hum and other mains borne noise being picked up by the inputs.

3. Connect the both of the preamplifier's right channel unbalanced outputs, figure 3, M, or right channel balanced outputs, figure 3, N, to the right channel power amplifier's inputs. Where possible we recommend that a balanced connection is used as this will generally produce superior results.

4. Repeat step 3 to connect the preamplifier's left channel outputs to the left channel power amplifier's inputs.

5. Confirm that the preamplifier main power switch is set to the off position as shown in figure 3, K, then insert the power lead into the preamplifier's rear panel power inlet, figure 3, P, ensuring that it has been pushed fully home.

6. Plug the other end of the power cable into the power outlet on the wall, or the power extension block that you are using. If there is a switch on this, set it to on now.

7. Switch on the power switch on the preamplifier's rear panel, figure 3, K. The front panel power indicator, figure 2, B, should now come on.

8. Switch the preamplifier on by pressing the front panel **On** button, figure 2, F. Allow 30 seconds for the amplifier to stabilise.

9. Rotate the **Volume** control, figure 2, G, anti-clockwise and set the volume to minimum.

10. Rotate the **Source** control, figure 2, A, to select the input connected to the source that you are going to use.

11. Switch on your music source and allow it to stabilise. Do not start it playing yet.

12. Switch on the power amplifiers and allow them to stabilise. This will usually take about 30 seconds, but please refer to the user manual for the amplifiers you are using.

13. Start the music source playing, then slowly turn the **Volume** control clockwise until a comfortable listening level is achieved.

9. 12V TRIGGER



When using this feature on German Physiks Emperor electronics, only use trigger cables that are fitted with 3.5mm stereo plugs. This is the standard employed by most other manufacturers. If you are using German Physiks Emperor electronics with other makers' equipment, refer to the appropriate user manuals to confirm the type of cable that should be used.

When units using this system are connected together, switching the unit at the top of the chain from standby to on, will result in all the other units in the chain being switched on. The following connection instructions refer to an all German Physiks Emperor electronics system.

1. Ensure that all equipment in the system to be connected is switched off at the rear panel power switches.
2. Connect a trigger cable to either of the preamplifier's **LINK OUT** sockets – figure 3, J or L.
3. Connect the other end of the cable to the **LINK IN** socket on the second unit in the chain.
4. To connect further units, connect a trigger cable between the **LINK OUT** socket on the last unit connected and the **LINK IN** socket on the next unit.
5. Confirm that the plugs on all the trigger cables have been pushed fully into their respective sockets.
6. When all units have been connected, switch on the rear panel power switches.
7. If the preamplifier's front panel **ON** button is now pressed (figure 2, F), all the other connected units should come out of standby.

10. REMOTE CONTROL

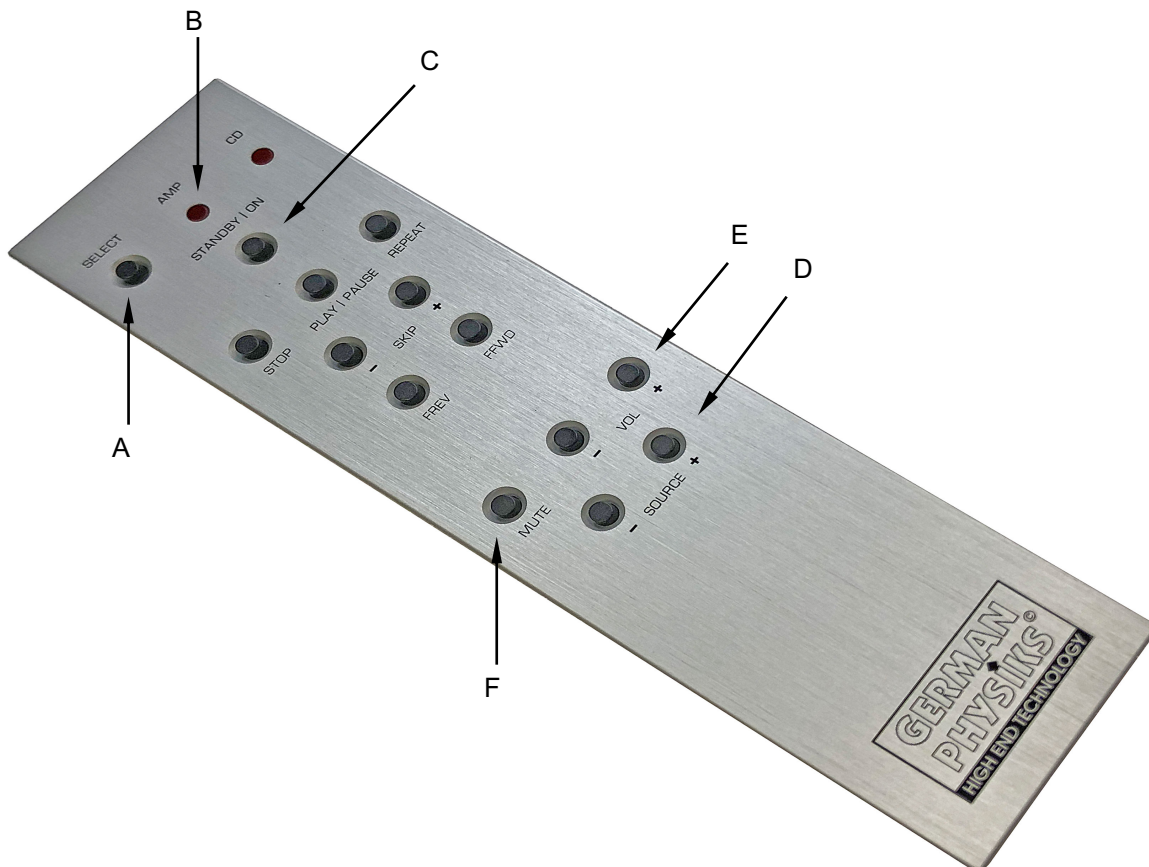


Figure 6. Emperor remote control.

This remote control will work with all the Emperor series pre and integrated amplifiers and also the Emperor CD player.

A. Select: To use the remote with an Emperor amplifier, press the **Select** button, once or twice, so that the **AMP** LED, figure 6, B, illuminates briefly.

B. **AMP LED:** Illuminates briefly when **Select** button pressed to show that the remote is set to control an Emperor amplifier.

C. **Standby | On:** Use this button to wake the unit from and return to standby. When the unit is running and the **Standby** button is pressed, the volume level is automatically reduced to zero, the unit is muted and it then enters the standby mode. When the **Standby** button is pressed again, after waking from standby, the unit is unmuted and the volume level is returned to its previous setting. This may take a few seconds.

D. **VOL:** Press the **VOL +** button to increase the volume level and the **VOL -** button to decrease the volume level.

E. **MUTE:** Use this button to mute and unmute the unit. When the unit is running and the **Mute** button is pressed, the volume control level is automatically reduced to zero and then the unit is muted. Pressing the **Mute** button again reverses the process. This may take a few seconds.

F. **SOURCE:** Press the **SOURCE +** button to cycle through the inputs in the same order as when the **SOURCE** control is rotated in a clockwise direction. Press the **SOURCE -** button to cycle through the inputs in the same order as when the **SOURCE** control is rotated in an anticlockwise direction.

11. AMPLIFIER BREAK-IN

Like all audiophile equipment, German Physiks electronics require a break-in period from new before they reach their optimum level of performance. Initially the sound may seem harsh. Please do not be concerned. The sound will become more relaxed and smoother as the break-in progresses. Break-in should largely be complete after two or three days of use.

12. CARE OF YOUR PREAMPLIFIER



NEVER remove the product's covers. This product contains no user serviceable parts.



NEVER attempt to clean the unit with any abrasive materials or any cleaners containing ammonia, alcohol or other solvents, as these may damage the finish. Solvents may also constitute a fire hazard.



ALWAYS disconnect the unit from the mains supply before attempting to clean it.

The only maintenance the unit will require is periodic dusting to remove dust and any finger prints from the chassis. Please use the cleaning cloth supplied with the unit. This cloth should be used dry. Do not use any form of liquid with it. Additional cloths may be obtained from your local German Physiks dealer, national distributor or direct from German Physiks.

13. FUSES



NEVER use any fuses other than the types shown below. To do otherwise risks creating electrical shock and fire hazards, with potentially fatal consequences.

If you suspect that the unit has blown a fuse, you must consult a qualified service technician. Do not attempt to replace the fuse yourself as the cause of the failure must be investigated in order to prevent a reoccurrence of the problem and possibly more serious damage. This will not be covered by the warranty.

The unit uses two of the fuses shown in the table below.

Supply voltage	Fuse
115V or 230V	SGSITR1T25 Siba 1660x0.1,25 IEC60127-3/4 1.25A 250V time-lag

14. WARRANTY

The German Physiks Emperor preamplifier is warranted to be free from defects if used under normal conditions for a period of 5 years from the date of purchase, provided that the customer registers their purchase by completing and returning the registration form at the end of this manual within 7 days of purchase. A copy of the receipt issued at the time of purchase must also be returned. The warranty may also be registered on the German Physiks web site at www.german-physiks.com, using the product registration form which may be found under the Contact top menu. If this is not done, the warranty period will be 5 years from the date of shipment from the factory. This warranty is transferable to subsequent owners, who must register their purchase with us.

Modifications or repairs performed by the factory, or by an authorised repair agent, shall be guaranteed for the remaining period of the warranty, or for 1 year, whichever is greater.

Any unauthorised modifications or repairs will invalidate the warranty. The warranty will also be invalidated if German Physiks determines that the preamplifier has been subject to misuse.

There is no other express warranty on German Physiks products. This warranty shall not extend beyond the stated warranty period. No responsibility is assumed for incidental or consequential damage.

15. SERVICE AND SUPPORT

In the first instance please contact your local German Physiks dealer or distributor. They will diagnose the fault and liaise with German Physiks to decide the best way to affect a repair. If they are unable to assist you, please contact German Physiks by phone on + 49 6109 502 9823, by fax on + 49 6109 502 9826, or by email at service@german-physiks.com. You may also contact us via our web site at www.german-physiks.com. Please take into account time differences between Germany and where you are calling from should you need to phone us. Email is our preferred method of initial contact. Please supply the serial number of your preamplifier and as much information about the problem as possible. The serial number is printed on the preamplifier's rear panel.

In the event that it becomes necessary to return your product to the factory, you will be given a Return Authorization (RA) number. This number must be clearly marked on the outside of the packing. Returns made without a RA number will not be accepted. Any returned items must be shipped in the original packing. German Physiks will not be responsible for any damage that occurs as a result of the use of non-standard packing. Returns received in non-standard packing will have this replaced with new packing at the owner's expense. If you need new packing, please contact your German Physiks dealer or the factory.

Please also be aware that if it is necessary to ship the product, it must be shipped securely strapped to an appropriate size pallet. Failure to use a pallet may result in damage that will not be covered by the warranty. Do not leave any loose items in the shipping carton(s) that could damage the preamplifier. Any such damage will not be covered by the warranty.

For items returned to the factory under warranty during the first year, German Physiks will pay for the shipping charges both ways. A shipping company approved by German Physiks must be used and the items will be returned to the customer using the same carrier, or an equivalent service.

For a products returned to the factory under warranty after the first year, the customer is responsible for paying all shipping and related charges back to the factory. A shipping company approved by German Physiks must be used. Providing this condition is met, German Physiks will pay the cost of shipping the amplifier back to the customer.

German Physiks will not pay any shipping costs if:

- a. Product or parts are returned without a RA number.
- b. No fault is found.
- c. If the fault is judged to be due to misuse.

Customers are responsible for all freight, duties and related shipping charges for products returned for non-warranty repairs.

16. DISPOSAL

According to WEEE directive 2012/19/EU, old or defective products that are labeled with a crossed-out rubbish bin may not be disposed of with regular household waste. They must be handed in at local recycling centres in accordance with the applicable national legislation. Proper disposal helps to conserve resources and protect the environment.

17. HOW TO CONTACT US

If you wish to get in touch with us please use the contact information shown below. Please note that our office hours are from 10.00 a.m. to 5.00 p.m. Monday to Friday, excluding public holidays and that we cannot respond to enquiries outside of these hours. We recommend that where ever possible you contact us by email, as this will allow us to give your enquiry more consideration and thus provide a more detailed reply.

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Telephone	+ 49 6109 502 9823
Fax	+ 49 6109 502 9826
Email	service@german-physiks.com
Web	www.german-physiks.com

18. EMPEROR PREAMPLIFIER SPECIFICATIONS

Dynamic range	140dB	
Signal to noise ratio	-103dB A	Ref 2V, A weighted. Input XLR, output XLR
Signal to noise ratio	-104dB A	Ref 2V, A weighted. Input RCA, output RCA
THD +N	0.001%	@ 2V output (22Hz - 22kHz)
Maximum output voltage	20V	Into 600Ω
Frequency response	0.5Hz - 95kHz (-3dB)	@ 2V output
Controls	Source select Volume Ground lift Display on/off	
Inputs	RCA x 3 pairs XLR x 3 pairs	
Outputs	RCA x 2 pairs XLR x 2 pairs	
Supplied accessories	Infra-red remote control	
Finish	Silver anodized aluminium	
Power supply	110 -120V AC 50/60Hz 220 -240V AC 50/60Hz	
Dimensions	474 mm W x 160 mm H x 474 mm D	
Weight	30kg	
Warranty	5 years	
As part of our process of continually improving our products, we reserve the right to change specifications without notice.		

19. WARRANTY REGISTRATION

In order to register your purchase and obtain the full 5-year warranty, please complete the form below within 7 days of purchase and return it by post together with a copy of the receipt of purchase to:

Warranty Registrations
 DDD-Manufactur GmbH
 Gutenbergstrasse 4
 D-63477 Maintal
 GERMANY

The warranty may also be registered on the German Physiks web site at www.german-physiks.com, using the product registration form which may be found under the Contact top menu.

Title (Mr, Mrs, Dr. etc)	
Name	
Address	
Country	
Zip/Post Code	
Model	Emperor Preamplifier
Serial Number	
Date of Purchase	
Where Purchased	
Address	
Country	
Zip/Post Code	