

Thales

Thales Magnifier User Manual

Sehr geehrter Kunde

Congratulations to your new Thales Magnifier. This preamplifier is designed for outstanding analogue performance. The device benefits from our years of experience in vinyl-technology and it impresses by its unique technology and modern functionality.

Take your time to install and adjust the product properly. Please remember to work carefully and to follow the instruction manual step by step.

You will find actual information about our products on www.thales.swiss.



1 Important Information

Safety warning

Read this instruction manual carefully before putting the Thales Magnifier into operation.

- The Thales Magnifier is a Class I product. It is essential that it is connected to a mains socket outlet with a protective earthing connection.
- Never try to open your Thales Magnifier when it is powered to prevent the risk of electric shock and burns. Switch it OFF and remove the mains cable from the power supply before any intervention into your Thales Magnifier.
- The Thales Magnifier must not be exposed to water or liquids. Use indoors only.
- Should you have any questions on how to setup or use your Thales Magnifier, please contact your Thales dealer.

Warranty

HiFiction AG certifies that this device has been inspected and tested before leaving the factory. This product is covered by Thales' three-year warranty, valid from the day of purchase (dealer's invoice). It covers all factory materials and processing errors.

However, this warranty does not cover any failure caused by improper use of the device, malfunction caused by neglecting the instructions else-where in the owner's manual, normal wear. Unauthorized disassembly or modifications whatsoever of the product will also void the warranty. In case of warranty claims please contact your dealer.

Disposal



Disposal of old electrical & electronic equipment (Applicable in the European Union and other European countries with separate collection systems). This symbol on the product or on its packaging indicates that it should be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local authority, your household waste disposal service or the shop where you purchased the product.

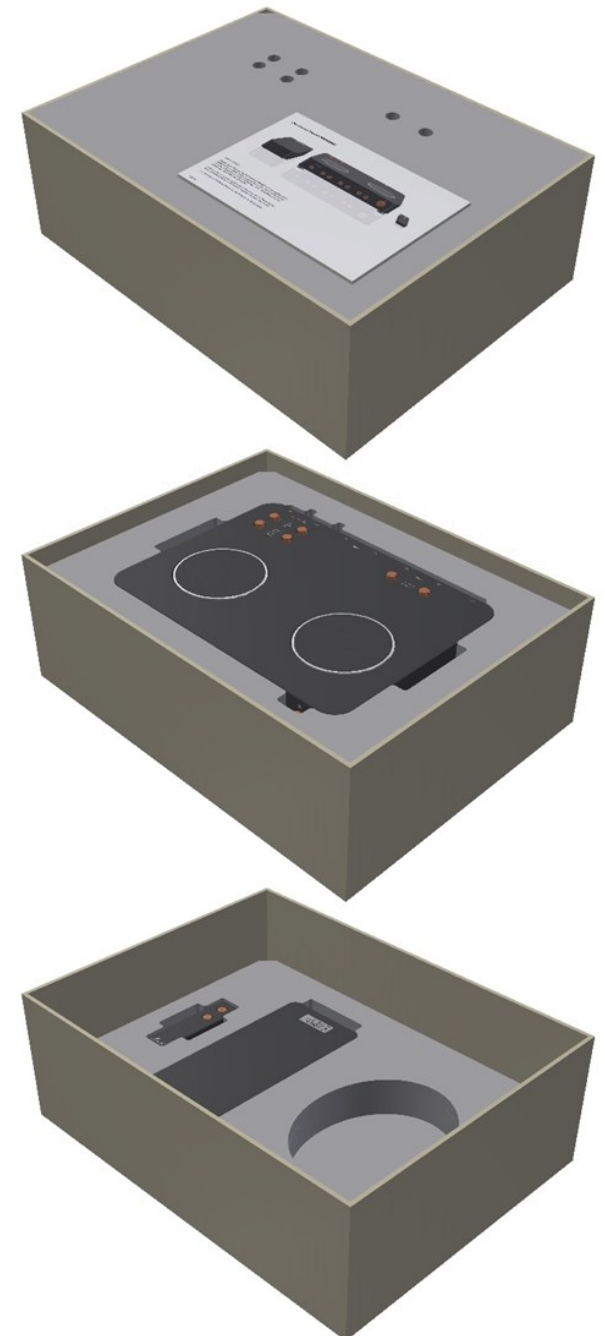
2 Unpacking

The Thales Magnifier is packed in a three-layer packaging device. Please open the packaging and remove the content and layers step by step.

After taking out the upper layer completely, the second layer of the packaging will become visible. It contains the main unit (1).

After taking out the second layer of the packaging, the last layer will become visible. This layer contains the power supply (2), the remote control (3) and the cables.

When repacking the turntable again for transport, make sure to follow the procedure in reversed order.



3 Positioning

All items of the Thales Magnifier must not be exposed to water or liquids. Use indoors only.

There must be enough (min. 50mm) space all around the chassis of the power supply and the main unit for adequate ventilation. Ventilation should not be impeded by covering the device with any item.

The Thales Magnifier as well as the power supply must rest on a stable support. The cable length between the power supply and the main device is 1.5m. If you need a longer cable, please contact your dealer.



4 Overview Front

The front of your preamplifier features the following operating elements:

Push Buttons

The seven buttons control the main functions and are surrounded by a multi-colour LED ring, informing you about the status of the related function.

Volume Control

The knob drives a conventional 270° potentiometer. However, this potentiometer is not connected to the audio-path but controls a resistor network setting the output volume in 256 steps.

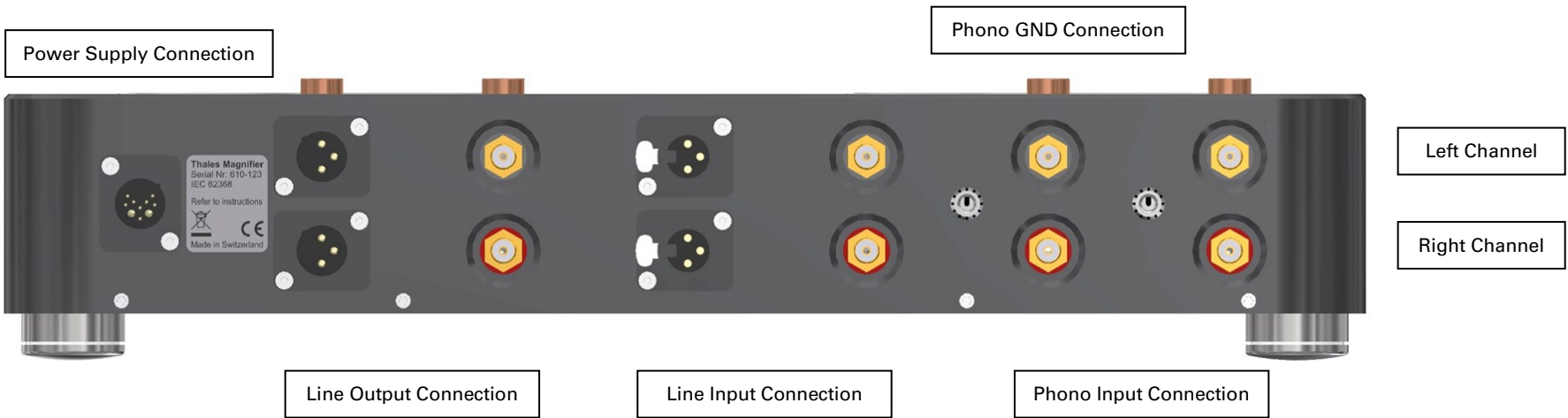
Infrared Receiver

The circular window covers the infrared diode, receiving the signal from the remote control.

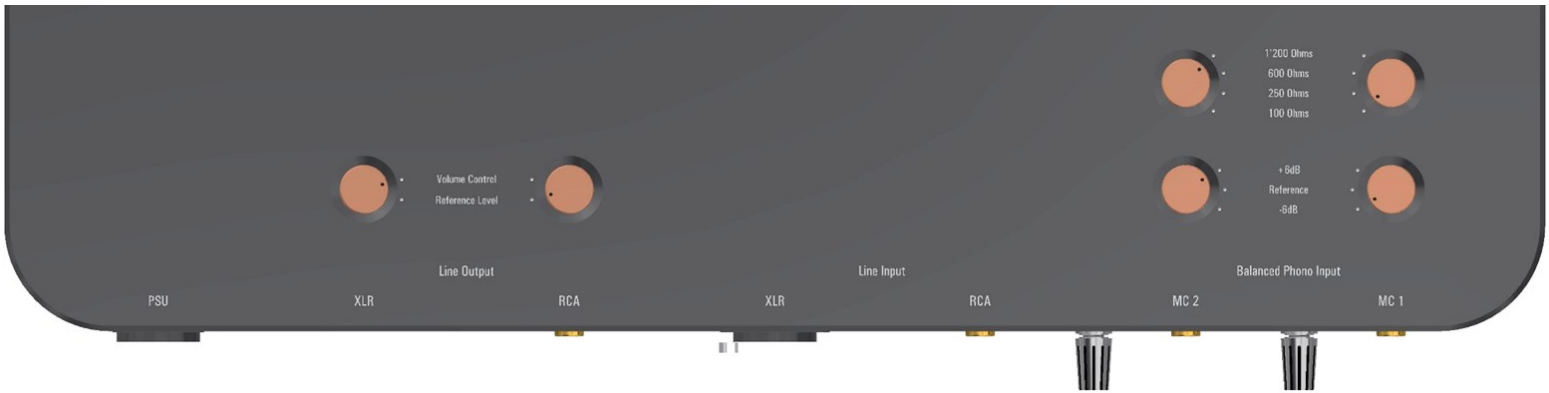


5 Overview Rear and Top

The rear panel of the Thales Magnifier features the connection sockets.



The top panel features six rotary switches to set specific options for phono input and line output.



6 Connecting the Power Supply

Important Information

Before connecting the power supply of the Thales Magnifier to the mains, make sure the input voltage stated on the type plate (1) complies with the mains of your local electricity supply.

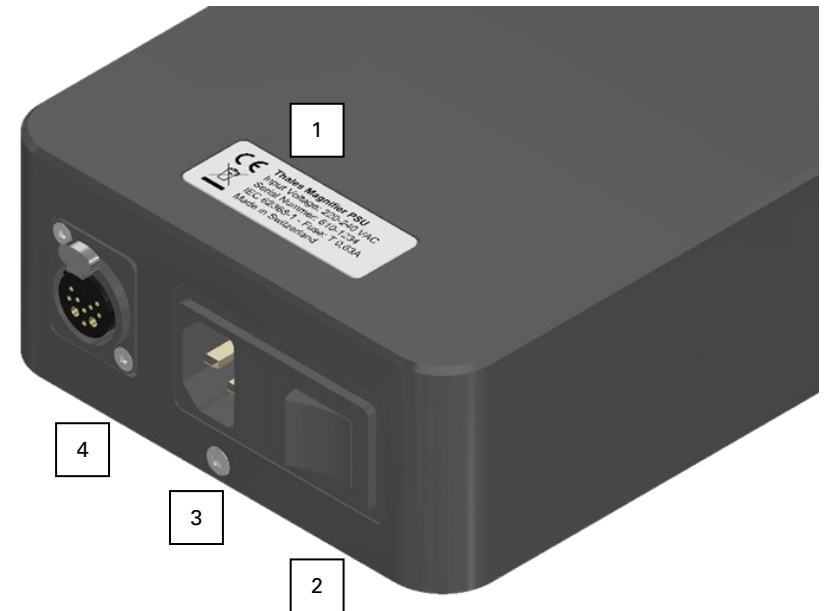
Always switch the mains switch (2) to OFF before connecting or disconnecting any cable to the device.

Connect the power inlet socket (3) with the mains, using the power cable delivered with the device.

Connect the PSU outlet socket (4) of the power supply with the PSU inlet socket (5) of the main unit, using the 10-pin-cable delivered with the device.

Energy Management

For saving energy, always switch the main switch (2) to OFF when the device is not in use.



7 Phono Input Stage

The Thales Magnifier features two balanced phono inputs for Moving Coil cartridges (MC).

1. Connect the signal output of your turntable to the Balanced Phono Input (MC 1 or MC 2)
2. Connect the GND-plug of your turntable or tonearm to the GND-connector (3) of the phono section.

Important: Even though these inputs are equipped with RCA-connectors, the amplification is designed to be fully balanced with separate ground. To prevent any malfunction, make sure none of the signal-pins is connected to GND in the connected cartridge, turntable, cable or any adapter used.

Setting Phono Input

The parameters of each phono input shall be adjusted to match the specification of your MC-cartridge perfectly regarding gain (4) and loading (5). The following setting is recommended:

Output Voltage Cartridge	Gain Phono Section
<0,4mV @ 5cm/s	+6dB
0,4...0,8mV @ 5cm/s	Reference
>0,8mV @ 5cm/s	-6dB

Impedance Cartridge	Loading Phono Section
<15 Ohms	100 Ohms
15...30 Ohms	250 Ohms
>30 Ohms	600 Ohms
Eisenlose Wandler	1'200 Ohms



8 Line Input Stage

The Thales Magnifier features two line-inputs, one for a single-ended and one for a balanced device.

Line Input RCA

Connect the signal output of any single-ended device to the RCA-connection (1) of the Line Input stage.

Line Input XLR

Connect the signal output of any balanced device to the XLR-connection (2) of the Line Input stage. Make sure the pin assignment follows the AES-14-Standard:

1 = GND

2 = hot

3 = cold

Important: The XLR-amplification is designed to be fully balanced. To prevent any malfunction, make sure none of the signal-pins is connected to GND in the connected device, cable or any adapter used.



9 Line Output Stage

The Thales Magnifier features two line-outputs, one for a single-ended and one for a balanced device. They work independently of each other, so can use both at the same time. If none of them is activated, the unit is muted.

Line Output RCA

Connect the signal input of any single-ended device to the RCA-connection (1) of the Line Input Stage.

Line Output XLR

Connect the signal input of any balanced device to the XLR-connection (2) of the Line Input Stage. Make sure the pin assignment follows the AES-14-Standard:

- 1 = GND
- 2 = hot
- 3 = cold

Important: The XLR-amplification is designed to be fully balanced. To prevent any malfunction, make sure none of the signal-pins is connected to GND in the connected device, cable or any adapter used.

Output Options (3)

For each output you can choose if the signal shall pass the integrated volume control of the Thales Magnifier (Volume Control), or if the volume control shall be bypassed (Reference Level).

Important: Never use the Reference Level mode if the connected device does not feature a volume-controlled input.



10 Remote Control

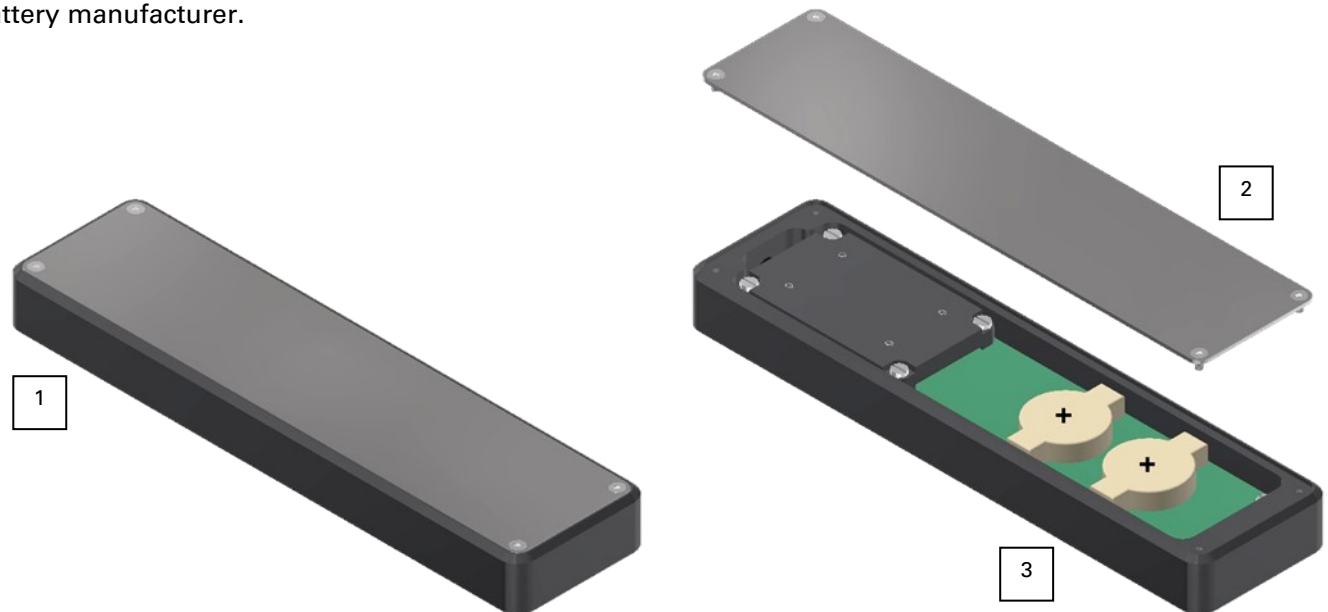
The Thales Magnifier comes with a remote control to operate the volume of the device. The remote uses an infrared connection. When using the remote control, make sure there is visual contact between the transmitter of the remote and the infrared receiver of the main unit.

Battery Change

If the performance of the remote transmitter decreases, please change the batteries:

1. Remove the four screws (1), using the hexagon-kex 1.3mm (included)
2. Remove the cover (2)
3. Replace the two batteries (3). Make sure to use **CR 2032** battery-type and note the correct polarity.

Important: Always replace both batteries for new ones of the same type and producer. For disposal, refer to the user manual of the battery manufacturer.



11 Operation

Once the power-switch of the power-supply is switched on, the main unit is ready to be configured for operation:

Push the Operation Switch (1). While the button lights in red colour, the unit is warming up. Once the button lights in white colour, the amplifier is in operation. The warming-up cycle is also entered when changing any setting related to the MC-input.

Select the desired input by pushing one of the input buttons (2). You might choose an MC-input (2.1) or an analogue line-input (2.2). When using an MC-input, make sure the input is adjusted correctly for your MC cartridge. Refer to page 8 of this manual.

Select the desired output by pushing the output buttons (3). You might use either one or both of the outputs at the same time. Make sure the option for the volume control is set correctly. Refer to page 10 of this manual.

Use the volume control knob (4) to set the desired volume of the audio signal. You can control the volume by remote as well.



12 Service

Betriebstemperatur

Die maximale Wiedergabequalität wird erst bei der nominalen Betriebstemperatur erreicht. Das Gerät sollte deshalb idealerweise bei Raumtemperatur in Betrieb genommen werden und jeweils ca. 20 Minuten einspielen.

Reinigung

Reinigen Sie das Gerät mit einem trockenen Microfasertuch. Für die Reinigung der beiden abschirmenden Einlagen auf der Oberseiten (1 & 2) verwenden Sie bitte ausschliesslich das mitgelieferte Reinigungstuch.

Lebensdauer

Das Gerät ist für maximale Lebensdauer ausgelegt. Es sind keine elektronischen Bauteile implementiert, die Wartung oder Austausch benötigen würden.



13 Specifications

- Full Class A amplification
- All open loop circuits (no negative feedback) for zero time-distortion
- RIAA equalization via ironless inductors, giving full headroom over the entire bandwidth
- Fully balanced signal flow from input to output
- Housing machined from solid aluminium

Available Accessories Products

- Thales Phono-Cable (RCA)
- Thales Line-Cable (RCA & XLR)

Version: V1.2 / 24.02.2026

Phono Inputs (Moving Coil)		2x balanced RCA
Line Input		1x balanced XLR 1x single-ended RCA
Line Output		1x balanced XLR 1x single-ended RCA
Gain Phono	Low Nominal High	54 dB 60 dB 66 dB
Output Gain	Reference max. Volume	0 dB +12 dB
Signal to Noise		>82 dB (ASA A)
THD+N (nominal gain)		-50 dB @ 1kHz
Phono Curve		RIAA $\pm 0,25$ dB
Mains input, factory-set		230, 115 or 100 VAC
Power Consumption		50 Watts
Operating temperature		15...30°C
Dimension Weight	Main unit Power Supply Remote Control	435 x 350 x 90mm 15,2kg 140 x 330 x 67mm 3,8kg 40 x 155 x 16mm 200g