Nubert nuPower D-c

User Manual
Connection Instructions
Technical Specifications
Warranty Information



Ambient Line

If you have any questions or encounter any problems whilst setting up your Nubert system, please feel free to contact our service team at. Please have your customer number to hand.
Telephone: +49 (0)7171 87120 · Email: info@nubert.de

nubert®

Thank you very much for choosing a Nubert product!

Before setting up your system, we recommend that you read this user manual first.

Here we explain the full range of functions, how to use the device and its connections in detail, so that you can achieve the best possible sound quality and functionality and enjoy your device to the full.

Please be sure to also follow the additional safety instructions enclosed at!

The Nubert team wishes you lots of enjoyment!

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Unpacking

⚠ Attention!
When unpacking your Nubert nuPower, please avoid using any sharp or pointed objects wherever possible to prevent any damage to the casing. Please keep the packaging in a safe place in case you need to transport the unit at a later date.

Contents of the package

The delivery includes the following items:
- Nubert nuPower
- Mains lead, 1. 8 m
- Mini-XLR to Mini-XLR trigger cable, 0.6 m

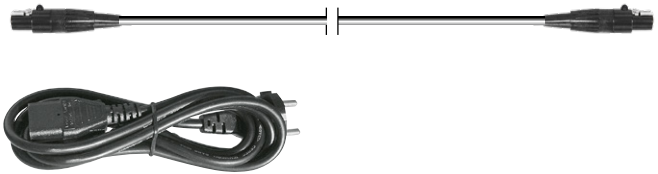


Care and cleaning tips

⚠ Attention!
Improper use of the device may result in damage.
- Always unplug the amplifier from the mains before cleaning it!
- Before putting the appliance back into operation, ensure that all connections are correct, that there are no short circuits and that the appliance is completely dry.
- Under no circumstances should you use harsh cleaning agents or solvents such as petrol, methylated spirits or similar substances!

Casing / Base elements

Dirt can be easily removed using a small amount of glass cleaner on a lint-free cotton cloth.
We advise against using microfibre cloths, as these can cause minor scratches to the surface.



Placement

Place the nuPower on a level, stable surface. Ensure there is sufficient space around it and that there is adequate air circulation.

Risk of overload

⚠ **Attention!**

- The Nubert nuPower is capable of delivering very high currents and voltages. In extreme cases, this may therefore lead to the connected speakers being overloaded. Always watch out for signs of overload, such as distorted sound or the smell of burnt electronics!
- In any case, be sure to increase the playback volume slowly and carefully to avoid sudden, unintended power surges!

Commissioning

First, set up your nuPower at the desired location and connect it correctly to the other devices and the speakers.

⚠ **Attention!**
All connections must always be made before switching on the equipment.

1. Signal connections

First, connect the pre-amplifier using suitable cables.
Then connect the nuPower to your speakers.

2. Network connection

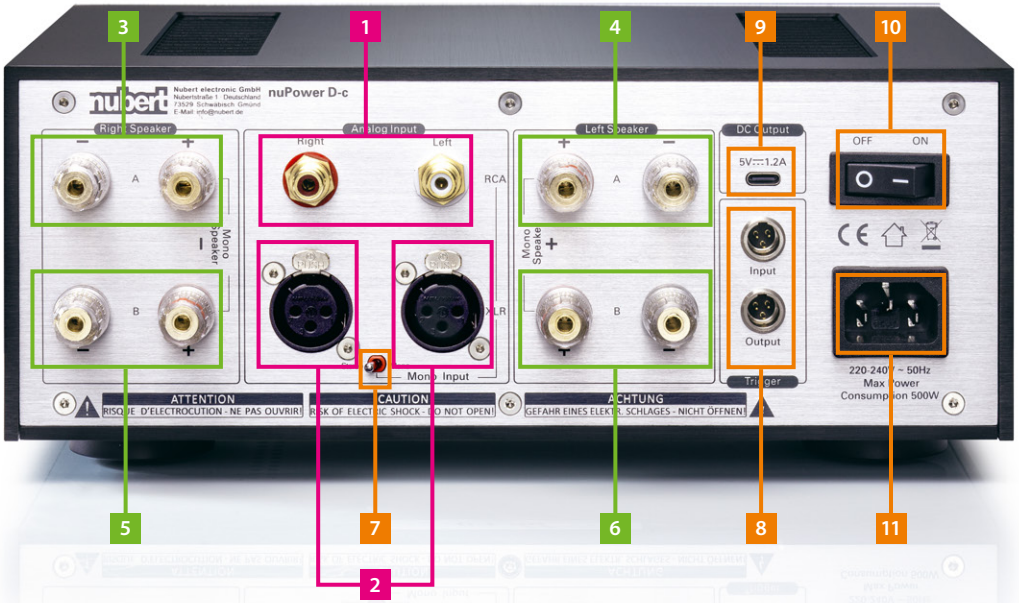
Now connect the device to the mains and switch it on using the power switch on the back.

3. Standby

Pressing the **ON button** on the front of the unit puts the nuPower into energy-saving standby mode or wakes it from this mode. Alternatively, this switching operation can also be controlled via a trigger connection from a preamplifier (see page 11).

Rear of the device, connections

The nuPower must be fully wired before it is switched on.
Please follow the remaining steps set out in this guide.



Inputs

1. **RCA inputs**
2. **XLR inputs**

Outputs

3. **Speaker output** A, right channel
4. **Speaker output** A, left channel
5. **Speaker output** B, right channel
6. **Speaker output** B, left channel

Further

7. **Mono-stereo switch**
8. **Trigger connections** input and output
9. **USB-C port**
   ⚠ **Warning!** Only suitable for use with a nuConnect trX or trXS receiver! Connecting other devices may cause damage.
10. **Power switch**
11. **Power socket**

⚠ **Warning!** Always connect all equipment before switching on the mains power!

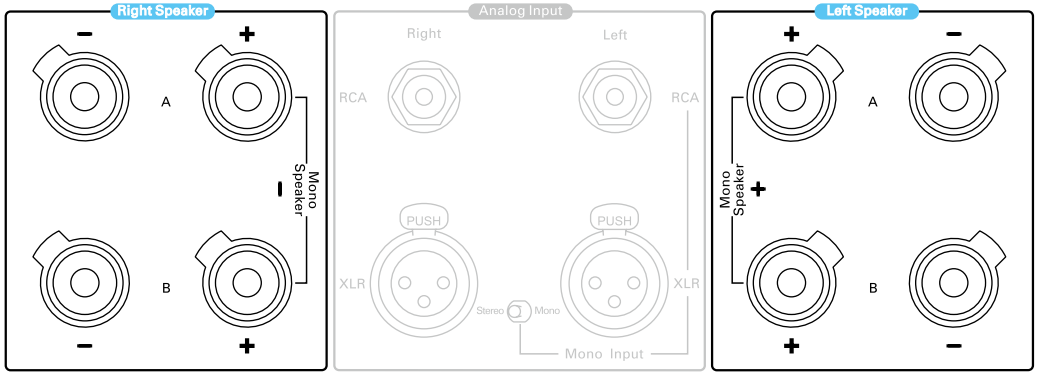
Speaker outputs

You can connect your speakers to these terminals.
There are two pairs of terminals, A and B.
The **SELECT rotary control** on the front of the unit is used to select the pair of speakers that is currently active.

⚠ Attention!
Make sure that any bare wires in the connection cables do not touch each other or any other metal parts of the housing!

When connecting the cables, it is essential that you ensure the polarity is correct. If you accidentally reverse the positive and negative terminals on one of the channels, this will not cause any technical damage, but you will end up with a completely diffuse sound with weak bass, making it impossible to localise mid-range sounds.

Please therefore ensure that your speakers are connected correctly and connect the end of the cable that you have connected to the terminal marked '+' on the speaker to the positive screw terminal on the amplifier. The same applies to the connection of the terminal marked 'Minus'.
With speaker cables, a groove, a ridge or colour coding is usually used on one of the two cable wires to indicate the positive terminal.
Please refer to the user manual for your speakers for instructions on how to connect the cables.



If you are using cables without connectors fitted, the cable ends must be stripped back by approx. 10 mm and twisted together.
Ensure that no individual wires are sticking out (risk of a short circuit!).
The bare end of the cable can now be inserted from the side into the screw-on cable clamp. Then tighten the screw terminals sufficiently once again!



"nuBanana Rhodium"

Banana plug

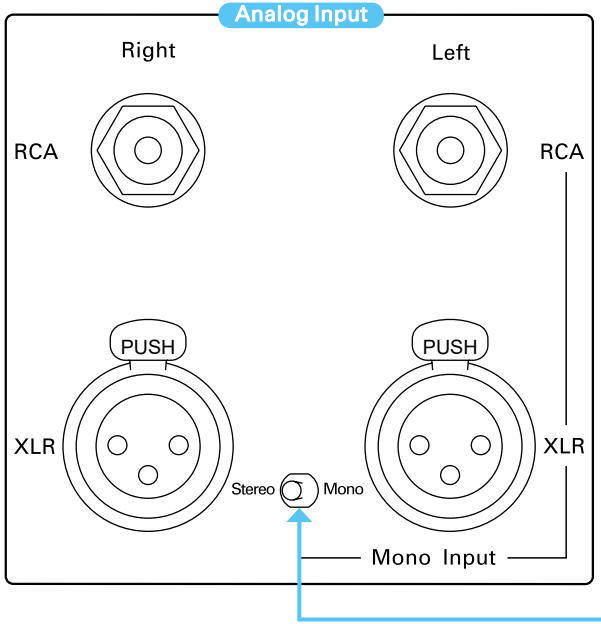
Alternatively, you can also use banana plugs from the Nubert range of accessories.
Holes have been provided in the screw terminals to make it easy to connect these plugs. These allow them to be inserted directly into the sockets. Even when using banana plugs, it is important to tighten the terminals sufficiently.

Speaker outputs – mono mode

The nuPower can be used as a mono power amplifier to maximise output power. In mono mode, two nuPower units are used to drive a pair of speakers.

The toggle switch on the back of the nuPower must be set to 'Mono'. In mono mode, the analogue inputs of the left channel are used for the signal feed. To connect the loudspeaker, the positive output of the left channel must be connected to the positive input of the loudspeaker. The negative input of the loudspeaker must be connected to the positive output of the right channel of the nuPower.

⚠ Always observe the minimum connection impedance!
(see page 19)



Analogue inputs

Pre-amplifiers with analogue outputs can be connected here. Balanced signals are fed in via high-quality XLR sockets. The RCA sockets are used to supply unbalanced signals.

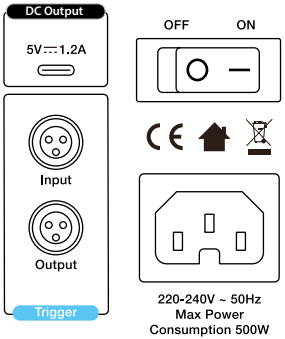
⚠ Attention!
Please ensure that the connected source device has a volume-controlled signal!
If a device without volume control is connected,
this may result in excessively loud sound. The device and the speakers may be damaged.

There is a toggle switch between the sockets. If the nuPower is to be used as a mono amplifier (see also page 9), the toggle switch must be set to 'Mono'. In mono mode, the analogue inputs of the left channel are used for the signal feed.

Trigger input and power supply

The three-pin mini-XLR socket labelled 'Trigger Input' is used to control the nuPower's switch input. If a 12V voltage is applied to this socket, the nuPower is activated. This allows the nuPower to be switched on and off automatically in conjunction with a suitable preamplifier (trigger function). If another device is to be supplied with a trigger signal, it can be connected to the socket labelled 'Trigger Output'. This is useful, for example, when using two nuPower units in a dual-mono configuration.

Next to this are the mains connection, in the form of an IEC cold-plug connector, and the nuPower's mains switch.



Enable/Disable the Auto On/Off Function

To disable or re-enable the automatic standby function, proceed as follows:

- Switch off the unit using the mains power switch on the rear panel and wait until the LEDs on the front panel have gone out.
- Then press and hold the Power button while switching the unit back on using the mains power switch.

The status of the automatic standby function can be determined by the unit's response:

- The LED flashes red twice and the unit switches on: Automatic standby is disabled.
- The LED flashes red twice and the unit remains in standby mode: Automatic standby is enabled.

Front panel, controls





1. **ON button with status LED:** Blue = On, Red = Standby
2. **Info LEDs: Speaker selection**
3. **Info LEDs: Input selection:** RCA (unbalanced) or XLR (balanced)
4. **ENTER key**
5. **SELECT rotary control**

Operation

The most important functions of the power amplifier can be controlled directly via the front panel. To this end, LEDs below the VU metres display the key information in two sections.

SPEAKERS

In the 'Speakers' section, you can select which speaker outputs should be active.
The following options are available:
A – activates output A only
B – activates output B only
A+B – activates both outputs simultaneously
The selected setting takes effect immediately and the corresponding option lights up red as soon as it is active.

INPUT

The 'Input' section is used to select the desired input signal.
The power amplifier offers two types of input:
RCA (unbalanced)
XLR (balanced)
The input selector is used to specify which signal is to be processed.

All settings for the two sections are controlled using the SELECT dial and the ENTER button.

1. Select an area

Press the ENTER key to enter settings mode.
The selected section (**SPEAKERS** or **INPUTS**) lights up more brightly and can be changed using the SELECT rotary control.

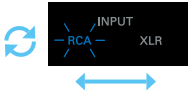


Press Enter again to select the highlighted area.
The selected area flashes to confirm the selection.
You can now adjust the relevant setting.



2. Change your settings

Turn the SELECT knob to adjust the values to change within the selected range.



3. Confirm your entry

Press Enter to apply the setting you have chosen.

If you wish to make further adjustments, start again at step 1.

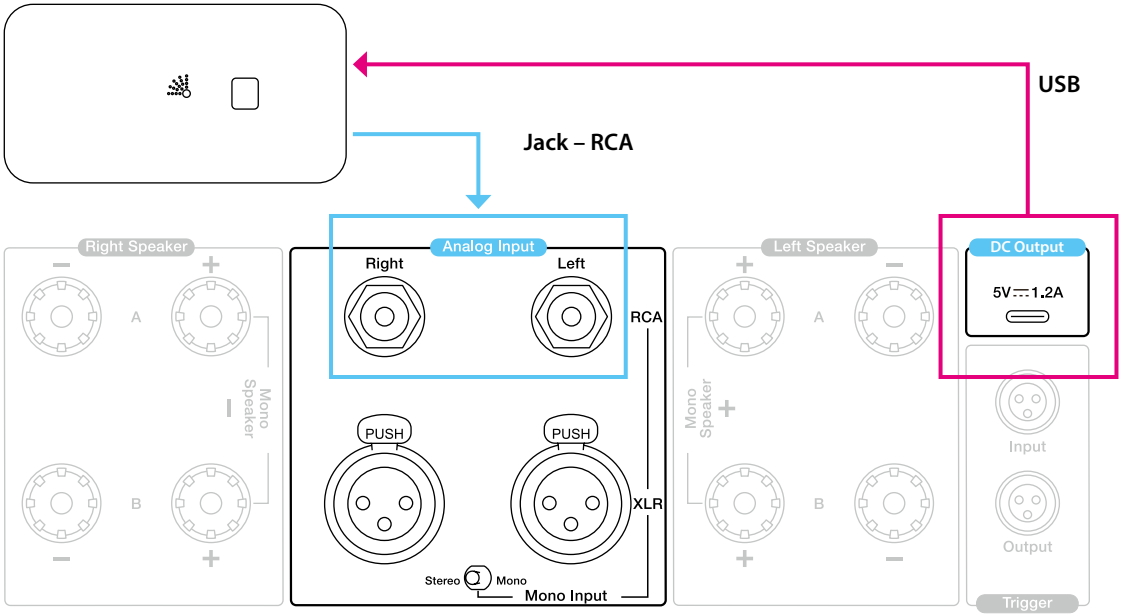
Note: The active speaker pairs and the selected input remain lit at all times.

Wireless control via nuConnect trXS

To transmit audio signals wirelessly to the amplifier, a nuConnect trX or trXS can be used as a wireless receiver. It is connected to the nuPower's RCA inputs using a jack-to-RCA cable. To power the nuConnect, you can use the USB-C socket on the nuPower labelled 'DC Output'.

This scenario can be useful, for example, when you want to connect rear speakers without having to run long cables. To configure the nuConnect and the relevant transmitter, please refer to their respective user manuals or contact our customer service team.

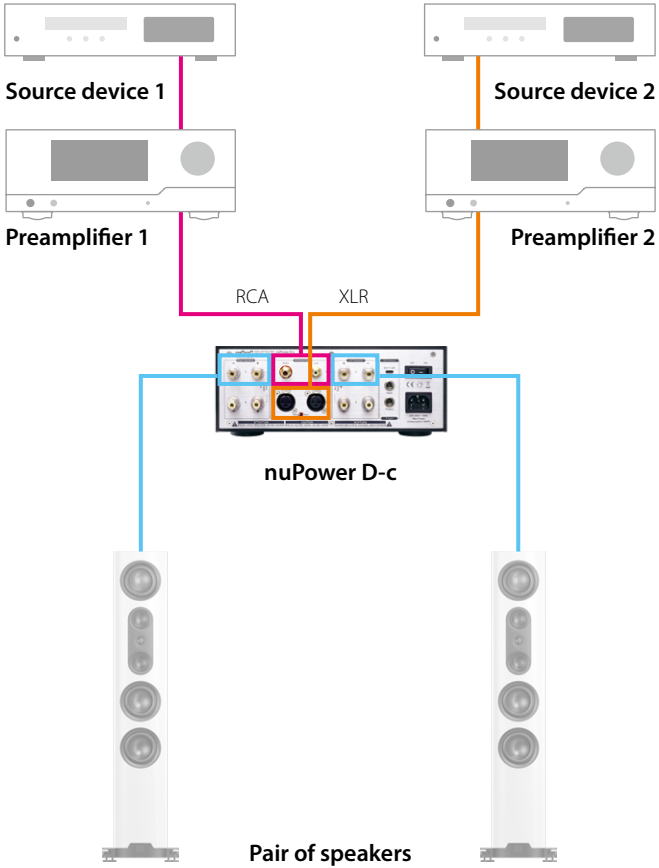
⚠ Attention!
The USB-C port is intended solely for use with a nuConnect trX or trXS wireless receiver! Connecting other devices may cause damage.



Using two preamplifiers

Two different preamplifiers can be connected to the nuPower at the same time. To do this, connect one preamplifier to the RCA inputs and the second to the XLR inputs.
You can switch between inputs using the SELECT rotary control and the Enter button.

This scenario can be useful, for example, when different source devices and decoders are to be used for stereo and surround sound, whilst retaining the same main speakers.

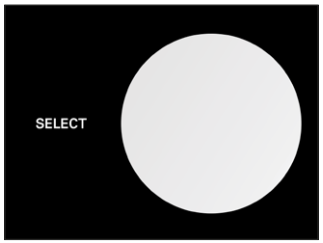


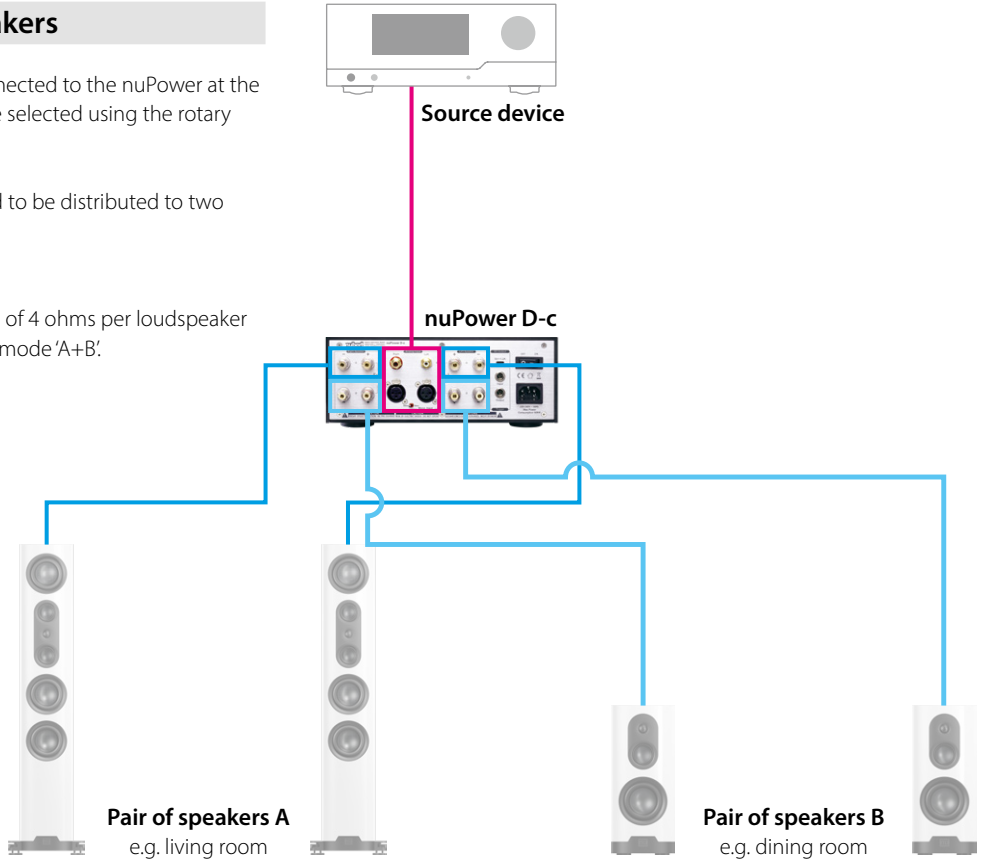
Use of two pairs of loudspeakers

Two different pairs of speakers can be connected to the nuPower at the same time. The pair you wish to use can be selected using the rotary switch on the front of the unit.

This feature also allows, for example, sound to be distributed to two different listening areas.

⚠ Attention!
Please note the minimum load impedance of 4 ohms per loudspeaker when using the nuPower in the operating mode 'A+B'.





nuPower D-c Technical Specifications

Analogue inputs		1 × XLR pair (balanced) 2 × stereo RCA (unbalanced)
Analogue outputs		4 × pairs of speaker terminals (banana sockets, screw terminals for cables up to 6 mm^2)
Trigger		1 × 12 volts, 100 mA (Mini-XLR) In / 1 × 12 volts, 100 mA (Mini-XLR) Out
Speaker selector switch		A, B, A+B
Mains connection		220–240 V AC / 50 Hz Connection type: IEC socket
Mains fuse		Internal
Power consumption		< 0.5 W (standby), 500 W (maximum), 20 W (idle)
Protection circuits		Protection against short circuits, overheating and DC voltage at the output
Dimensions	Width Height (without / with feet) Depth (without / with connections)	27 cm 10.5 / 11.5 cm 21 / 23.5 cm
Weight		4.2 kg

Measurements		**Stereo mode**	**Mono mode**
Continuous Output Power (0.5% THD+N)	4 ohms 8 ohms	2 × 250 watts 2 × 150 watts	1 × 400 watts 1 × 500 watts
Music power output (0.5% THD+N)	4 ohms 8 ohms	2 × 280 watts 2 × 160 watts	1 × 440 watts 1 × 550 watts
Minimum connection impedance per speaker	Speaker selector switch A or B Speaker selector switch A+B	2 ohms 4 ohms	4 ohms 8 ohms
Signal-to-noise ratio	based on 250 / 400 watts based on 4 watts	112 dBA 94 dBA	110 dBA 90 dBA
THD+N %	at 5 watts / 4 ohms at 50 watts / 4 ohms	0.003 % 0.002 %	0.004 % 0.002 %
Residual Noise	(A-weighted)	80 µV rms	130 µV rms
Frequency response Input impedance Gain	(+0 / –0.5 dB) (balanced / unbalanced)	10 – 20.000 Hz 10 kOhm / 22 kOhm 25.5 dB	10 – 20.000 Hz 10 kOhm / 22 kOhm 31.5 dB
Offset		< 5 mV	< 10 mV

Warranty Terms and Conditions

Your supplier and contractual partner:
Nubert electronic GmbH · Nubertstr. 1 · 73529 Schwäbisch Gmünd · Germany
Court of registration: Ulm Local Court, HRB 700296
Telephone: +49 (0)7171 8712-0 · Email: info@nubert.de
VAT No.: DE 16758584 · WEEE Reg. No. DE 48888173

If you have any queries or would like personalised advice, please call our expert helpline: +49 (0)7171 8712-0
The helpline team is available from:
Monday to Friday from 10 – 14.00 and 15 – 18.00.

1.1. Nubert (Nubert electronic GmbH, Nubertstr. 1, 73529 Schwäbisch Gmünd) grants the purchaser a special manufacturer's warranty in accordance with the terms and conditions set out below for certain Nubert-branded products, where we specify this in the quotations or in the relevant product documentation, or where these warranty terms are enclosed with the delivery.
Products from other manufacturers and brands that you purchase from Nubert are covered by statutory warranty rights. Where other manufacturers provide their own guarantees, claims under these guarantees may only be made against those manufacturers, and not against Nubert.

1.2. The buyer's statutory rights, in particular the statutory right of withdrawal and the statutory right to claim for defects, remain in full force alongside the guarantee and are available to the buyer in their entirety. The buyer may, of course, exercise their statutory rights free of charge; these rights are not restricted by the guarantee.

1.3. The warranty period for Nubert passive speakers (without a built-in amplifier) is 5 years from the date of delivery to the original purchaser. This applies without restriction for the first two years.
After the second year has elapsed, the warranty is limited to the functionality of the chassis, together with the electrical connections and electronic components (crossover). In particular, visual changes to surfaces (e.g. foil-coated, painted, veneered, anodised or plastic surfaces) are no longer covered by the warranty once the second year has elapsed.

1.4. The warranty period for Nubert active speakers (with a built-in amplifier, e. e.g. active speakers and subwoofers), as well as electronic devices bearing the Nubert brand (e. e.g. amplifiers and active tuning modules), is 2 years from the date of delivery to the original purchaser.

1.5. The warranty period for Nubert accessories (e.g. cables, cable accessories, Speaker Stands, brackets, speaker castors, speaker covers) is 5 years from the date of delivery to the original purchaser. For the first two years, this applies without restriction.
After the second year has elapsed, the warranty is limited to the functionality of the accessories. In particular, visual changes to surfaces (e.g. painted, veneered, anodised or metal, fabric or plastic surfaces) are no longer covered by the warranty once the second year has elapsed.

1.6. The original purchaser's proof of purchase serves as the warranty certificate.

1.7. The warranty covers, and is limited to, the free repair or replacement of the defective part in the event of a material defect in the goods (, for example, material or manufacturing faults) or a replacement delivery (on a like-for-like basis against return of the defective product), at our discretion. Nubert shall also bear the costs of sending the affected product to and from us, in each case from and to the kerbside, in the event of valid warranty claims, provided that the goods are located within the European Union and the dispatch has been agreed with Nubert in advance.
Any services beyond this may be provided as a gesture of goodwill at Nubert's sole discretion. It is presumed that any material defect which becomes apparent within the warranty period was already present at the time of the transfer of risk. Replaced parts or products returned as part of a replacement delivery become the property of Nubert. Warranty services neither extend the warranty period nor trigger the start of a new warranty period. The warranty period for fitted replacement parts ends when the warranty period for the entire appliance expires. The undertaking to provide or the performance of warranty services is made without acknowledging any obligation to provide services under statutory warranty law.

2. A warranty claim shall be void in the event of

- any attempts at repair of any kind that have not been agreed with Nubert in advance
- inappropriate operating conditions or improper storage (e.g . damage caused by moisture or particularly high or low temperatures)
- inappropriate transport packaging (the original transport packaging, used in its entirety, provides sufficient protection)
- improper mechanical impact on the goods (e.g. damage caused by dropping, scratches and damage to casings, displays and remote controls, switches, sockets or antennas occurring after delivery), in particular to speaker drivers (e.g. dented cones/diaphragms)
- improper operation or handling, incorrect installation (e.g. of switches, aerials, covers, feet or brackets) or incorrect connection (e.g. operation with faulty or unsuitable amplifiers or other source devices with DC voltage or an unusually high level of hum at the source device output), as well as the application of amplifier power to loudspeakers outside their specifications (e.g. the amplifier's sinusoidal power output is far in excess of the loudspeaker's rated power handling capacity)
- custom-made cables.

3. Do not remove any speaker drivers or other components from our equipment and speakers, and do not send in any such parts before you have contacted Nubert Service and agreed on this course of action.

4. In the event of a warranty claim, the faulty product must be packed – preferably in its original packaging – together with a copy of the proof of purchase and a detailed description of the fault, and sent to us (see below for our address). We recommend that you arrange the return with us in order to receive a free return label. Returning the goods within the warranty period is sufficient to meet the deadline.

5. Please address all correspondence, any returns and suggestions to:
Nubert electronic GmbH
Nubertstr. 1
73529 Schwäbisch Gmünd
Telephone: +49 (0)7171 8712-0

As of 14 October 2026

Subject to technical changes, errors and misprints
You can find our General Terms and Conditions (GTC)
on our website: www.nubert.de/agb