# nuBox A-125

Active speaker Stereo set

Safety instructions Operating manual Technical data Warranty terms





# **Device approval and conformity** with EC directives

Nubert electronic GmbH hereby declares that this product complies with the 2014/53/EU directives, provided that it is installed and used in accordance with the manufacturer's instructions. The full text of the EU Declaration of Conformity is available at the following Internet address:

https://www.nubert.de/konformitaetserklaerungen/716/

- · Do not change the serial number on the speaker. It is part of the operating approval.
- · If the loudspeaker is repaired or modified by workshops or other third parties not authorized by Nubert, it loses its operating license.
- · Only accessories and devices may be connected which in turn comply with all legal requirements and are approved.
- · The loudspeaker may only be used for the applications specified in the "Intended Use" section

# Intended use

This speaker is designed exclusively for sound reproduction in dry rooms. Use the speaker only as described in this manual. Any other use (particularly safety-relevant or medical use, installation in open environment like IP-certified products) is considered improper and may result in property damage or even personal injury. Nubert electronic GmbH does not assume any liability for damages caused by improper use.

# **Safety instructions**

The entire operating manual, in particular the safety instructions, must be read in full before connecting and commissioning the device. For your own safety, be sure to follow all warnings and safety instructions in this manual and on the speaker. The user is not permitted to carry out any work on the loudspeaker other than the described work. Keep this document so that you have access to it at all times. Furthermore, it must also be handed over to possible re-owners.

# Key to the symbols

The triangle symbol with exclamation mark (without additional comment) indicates important instructions for commissioning, operation and maintenance of the device.

The term Caution! next to the triangle symbol indicates a medium risk. Failure to observe this warning may result in property damage.

The term **Danger!** next to the triangle symbol indicates a high risk. Failure to observe this warning may result in death or personal injury



This symbol indicates that you must read and observe the operating instructions and the safety and warning notices in order to operate the device.



 $\Delta$  This symbol (triangle with lightning) warns of dangerous voltages inside the enclosure and of hazards due to electric shock.



This symbol indicates that the device complies with electrical protection class 2 and therefore does not require earthing.



Devices with this symbol may only be used in a dry indoor environment.

Equipment marked with this symbol must not be disposed of with household waste. Refer to the Disposal and Battery Return section at the end of this manual

# **General information**



Never operate the loudspeaker unattended!

Danger of electric shock!

To avoid the risk of electric shock, the speaker may not be opened by the user. There are no user-serviceable parts inside the speaker.

Service work and repairs are reserved for qualified specialists authorized by Nubert. If you need service, please contact Nubert electronic GmbH directly (info@nubert.de)!

# Danger of suffocation!

Never let children use or play with neither speaker, remote control or packaging unattended. There is a risk that children will get caught in the packaging film and suffocate. Make sure that children cannot remove any small parts from the devices! These parts, like the remote control battery, could be swallowed and cause suffocation. In case of swallowing any parts, contact a doctor immediately!



Danger of injury or damage! When moving the speaker, take care to avoid injury and damage!

# Caution!

Since the speaker can only be completely disconnected from the mains at the mains input on the rear of the unit or by pulling the mains plug from the socket, it must be positioned so that you have free access to the mains input or mains plug. If any of the following situations occurs, the loudspeaker must be switched off immediately and disconnected from the mains. Contact Nubert electronic GmbH (info@nubert.de) immediately!

- The speaker has been damaged or has fallen down.
- · Power cord or plug is damaged
- · Objects or liquid have got into the loudspeaker
- · The speaker has been exposed to excessive moisture or rain.
- · The speaker does not work properly or exhibits a significant reduction in performance
- · The loudspeaker smells burnt, develops smoke or makes unusual noises.

Only use accessories recommended by Nubert!

# Installation instructions

# Caution!

- An unstable location can damage the speaker.
- · Only place the loudspeaker on a flat, stable surface and make sure that it cannot be knocked over!
- · Also make sure that no unintentional pulling can occur on the cables to avoid knocking over the speaker or damaging the connection sockets!
- · Keep strong mechanical shocks away from the loudspeaker!

# Caution!

Excessive heat build-up inside the unit can shorten its service life or lead to fire.

- · Never cover the back of the speaker! Make sure that there is a clearance of at least 10 cm and sufficient air circulation in the back area!
- · Do not operate the speaker and remote control near heat sources such as radiators or stoves!
- · Do not set the speaker and remote control to direct sunlight.
- · Do not expose to direct sunlight!
- · Never place burning candles or similar open fire sources on the loudspeaker!

#### <u>/</u>]` Danger of explosion!

Installation in unsuitable locations can cause explosions. Do not use the speaker or remote control

- · in environments where there is a risk of fire or explosion!
- · at extremely low or extremely high temperatures!
- · near flammable gases or vapours!
- near strong dust!
- near flammable materials!

# Danger of electric shock!

The loudspeaker carries mains voltage and voltages higher than 35 V AC or DC inside. It has no special protection against the intrusion of liquids or objects into the system. There is therefore a risk of lethal electric shock.

- Never touch the speaker with wet hands!
- Only use the speaker in a dry place!
- Do not operate it outdoors or in damp rooms!
- The loudspeaker must be protected from liquids of all kinds, including dripping and splashing water.
- Do not place any containers containing liquids (e.g. flower vases) on the speaker or in the immediate vicinity!
- If the loudspeaker is moved from a cold environment to a warm room, condensation may form inside the unit. Wait at least six hours until the loudspeaker has reached room temperature and is dry before switching it on!
- · No objects or foreign bodies may get into the device.
- Should the loudspeaker come into contact with liquids or should objects have got inside, please unplug the mains plug immediately and contact Nubert electronic GmbH (info@nubert.de)!

# Danger of injury or damage!

#### For speakers with threaded bushings on the underside:

The threaded bushings may be used for upright mounting of the loudspeaker on suitable base plates only. The threaded bushings on the underside of the loudspeaker enclosures are not designed for tensile loads and must therefore not be used as holders for hooks or similar devices in order to suspend the loudspeaker cabinet. A falling speaker may cause serious injury and damage.

## **Connection instructions**

# General connection instructions

- · Disconnect the mains plug before changing any wiring on the system!
- Make sure that all connections have been made correctly and that all plugs are firmly seated in the sockets before connecting the speaker to the mains.
- Use only the intended cables or plug connections for the connections! Failure to do so may result in damage or malfunction.
- If you want to disconnect connections on the loudspeaker, always pull the plug, never the cable!
- · Ensure that all plugs are firmly seated in the sockets!
- · Only use cables and accessories recommended by Nubert!

#### $\mathbf{A}$

# Danger of electric shock!

Faulty mains supply systems or excessive mains voltage can lead to electric shocks.

- All power supply or antenna systems connected to the loudspeaker must comply with all applicable laws and regulations and be professionally installed by an approved installation company.
- Use only the appropriate power cord to connect the speaker. Do not modify the power cord or its plug.
- Make sure that the mains voltage at your location matches the requirements of the loudspeaker! The correct power supply can be found on the label on the back of the speaker. It must not be connected to other power supplies.
- Devices of Class 1 construction must be connected to the mains power socket outlet with a protective earth connection. Make sure that the installation of the protective earth is carried out correctly!
- When laying the power cables, make sure that they cannot be damaged (e.g. by heating or mechanical stress)! Pay particular attention to the areas of the connectors and distributors!

# Caution!

Overvoltage in the power supply system (e.g. due to lightning) can damage or destroy the device and power supply unit.

- An overvoltage protection element can provide a certain degree of protection
  against excessively high voltages in the power grid.
- However, the greatest possible protection against damage can only be achieved with the complete separation from the mains supply. In case of thunderstorms or danger of lightning strikes, disconnect the mains cable from the socket and any antenna plugs from your hi-fi system!
- If the speaker is not used for a long period of time or is unattended, the power supply should be disconnected. Disconnect the mains plug from the socket!

#### **Remote control and battery**

This product comes with a remote control and a battery. The following must be observed when handling remote controls and batteries:



If the batteries are discharged, the range of the remote control will decrease significantly. If this happens, replace the batteries immediately. Always use high-quality CR2025 lithium button cells as replacement batteries. Make sure that the polarity is correct when inserting the battery into the battery compartment!



- Improper handling can lead to material damage.
- Do not drop the remote control!
- Do not expose the remote control and battery to water or other liquids!
- Do not operate or store the remote control and battery in locations with high humidity or high or low temperature!

# Danger!

Leaking or exploding batteries can pose a health hazard and cause damage to goods.

- If you do not use the device for a long time or if the batteries are depleted, remove the batteries from the remote control to prevent discharge, leakage of acid or explosions.
- · Leaking batteries must be replaced immediately.
- If you find a leaking battery, do not touch the leaking material and dispose of the batteries immediately!
- · Do not touch leaking batteries!
- Should your skin, eyes or mouth come into contact with the leaking material, clean the affected area immediately with water and contact a doctor!

## Danger! Do not ingest battery, chemical burn hazard!

Ingestion of batteries can cause severe internal burns and death within a short time span.

- Ensure that batteries do not get into your body by any means, in particular that they cannot be swallowed!
- · Keep new and used batteries away from children.
- If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think that batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention!

Equipment marked with this symbol must not be disposed of with household waste. Refer to the Disposal and Battery Return section at the end of this manual. Thank you very much for choosing the nuBox A-125 active loudspeakers.

You will be able to set up your system without any problems if you read these operating instructions carefully. We will explain the operation, connection and installation so that you can achieve the optimum sound quality and fully enjoy your nuBox speakers!

## **Unpacking and Scope of Delivery**

#### Unpacking

When unpacking your speaker, do not use sharp or pointed objects to avoid possible damage to the enclosure. Please keep the packaging in a safe place in case you need to transport the speaker at a later date.

#### Scope of delivery

If the delivery is complete, it contains the following parts:

- 2 nuBox A-125 active loudspeakers
  - (1 active master speaker, 1 passive slave speaker)
  - 2 Cloth grilles
  - 1 Remote control with battery
  - 1 Mains cable, 1.8 m
  - 1 Master-Slave loudspeaker interconnect cable, 3 m
  - 1 Fibre optic cable with TOS-Link plugs, 1.5 m

#### Low temperatures and Sound

When speakers are shipped and delivered during the cold months of the year, it is imperative that they adapt to the temperature of the living area. Low temperatures have a considerable influence on the moving parts of a loudspeaker such as diaphragm, voice coil, bead and spider. The ability of these components to follow rapid oscillations or to perform large excursions is thus significantly restricted. This is not dangerous, but "frozen" speakers are far from their acoustic peak.

#### Hence our tip:

When your new speakers arrive on a cold winter's day, just give them a few hours to acclimatise. Your Nubert speakers will thank you with the superior sound quality you have come to expect from us.

# **Cloth grille**

The cloth grille protects the loudspeaker drivers (for example from curious children who like to press in tweeter domes) and provides a visual contrast for those who do not like the technical appearance of loudspeaker drivers. It is carefully placed against the front of the speaker and held in place magnetically. Please make sure that the surface of the baffle is not damaged.

With cloth grill removed, the loudspeaker sounds somewhat brighter and clearer - the choice is yours!



..... Infrared receiver and the status LED

Master Speaker (right)



2 Cloth grilles





Slave speaker (left)



Mains cable, 1.8 m







Remote control with battery

## Setup

The nuBox A-125 are high-quality, very neutral active stereo loudspeakers. They impress with an extremely homogeneous, precise, and "direct" sound reproduction with the finest resolution in the entire frequency spectrum. However, even "honest loudspeakers" are exposed to the manifold influences of room acoustics. In order to achieve the most natural and true-to-life reproduction possible, please observe the following general installation instructions:

- The rear-facing bass reflex ports should be at least 3 centimetres away from back- and side walls in order to avoid air flow noise. Some distance to the back- and side walls also helps prevent an increase in the bass- and fundamental ranges.
- When placed on a shelf, the best sound is achieved when the front edge of the speaker is either flush with the shelf or even protrudes slightly. This allows the loudspeaker to radiate the sound freely into the room and helps to avoid voices sounding like coming through a funnel.
- Within horizontal listening angles up to 30 degrees off the horizontal axis, you will experience no significant change or loss in sound quality. Only at wider listening angles does the sound lose its brightness slightly. It is then advisable to point the speakers towards the listening position.



The most natural sound is achieved when the tweeters are approximately at ear level. But even 20 degrees above or below the tweeter axis, the sound is still homogeneous. If your active speakers need to be placed lower or higher, they should ideally be angled so that the tweeters are aimed at the listening position.



## Connections

Caution! All connections to the A-125 must be made before you connect the loudspeaker to the mains!

The right speaker is the so-called master. All source devices are connected here. The connection to the left loudspeaker (the slave) is made with the supplied loudspeaker cable with four-pin round plug connectors.

# **1.** Connect the loudspeaker cable

First connect the two speakers to each other. A suitable loudspeaker cable with round plugs is included in the scope of delivery. Longer speaker cables can be purchased as accessories at www.nubert.de

#### Please note:

Pay attention to the orientation of the connectors in the sockets.

a) The groove on the connector must point to the left.b) Push the clamping nut forward and fasten it tightly clockwise to prevent the connector from falling out.



# **2.** Connect the signal cables

Now connect all source devices and (optional) subwoofer to the master loudspeaker. See illustration on page 7 for details.

# **3.** Connect the power cable

First connect the power cable to the power jack on the back of the master speaker and then to the mains. The wiring of your speakers is now complete!



# SPEAKER OUT TO LEFT



# Master loudspeaker (right)

#### HDMI-ARC input

To connect the Audio Return Channel of a compatible TV with an HDMI cable.

#### **OPTICAL** and **COAX** input

Source device with digital output, for example CD player, network player, satellite receiver, television, PCs/laptops (PCM up to 24 bit / 192 kHz).

#### AUX IN input

Source device with analog line output, for example CD player, network player, preamplifier, smartphone, tablet, PCs/laptops via 3.5 mm headphone jack.

#### SUB OUT output

For analog connection of an active subwoofer. By inserting a cinch plug into the SUB OUT, a high pass is automatically activated to relieve the loudspeakers of deep bass and ensure proper integration with the subwoofer. (Crossover frequency 80 Hz, 12 dB/Oct)

# Slave loudspeaker (left)

# **Status LED**

The infrared receiver and the status LED are located on the front of the master loudspeaker. In standby mode, this LED is off. **During operation, it indicates the selected input by its colour, see table below.** 

In addition, the status LED confirms the triggering of a command by the remote control by flashing briefly.

| Input:    | Colour: |
|-----------|---------|
| BLUETOOTH | Blue    |
| AUX       | Green   |
| OPTICAL   | Red     |
| COAX      | White   |
| HDMI ARC  | Purple  |



# **Remote control**

The nuBox A-125 speakers can only be operated by the supplied remote control:

#### on/off 🖰

Use the **on/off** key to activate the A-125 or switch it to standby mode. If the loudspeaker is turned off with the remote control, automatic switch-on will be deactivated. (Exception: HDMI input)

#### volume and mute Cx

The volume can be adjusted with the **volume** keys  $\blacktriangle$  and  $\blacktriangledown$ . The **mute** key  $\Box$  allows the A-125 to be muted and unmuted.

#### input

Press the **input** key to switch to the next input. Refer to the table above for order and colour assignment of the inputs.

#### pair

If the Bluetooth input is activated (indicated by the blue status LED on the front panel of the master loudspeaker), pressing this button will initiate the pairing process. Refer to section 'Bluetooth: Pairing' on page 9 for details.

#### music und movie

Pressing the **music** or **movie** buttons activates special DSP algorithms, resulting in a greater sense of depth and width. Pressing the respective key again deactivates this function. For details, see "Virtual expansion of the stereo stage" on page 9.

#### When changing the battery:

• Make sure the polarity of the battery is correct when inserting it into the battery compartment.

Always use high-quality CR2032 lithium button cells as replacement batteries.



## **Operation and Functions**

#### **Bluetooth: Pairing**

Press the **input** button on the remote control repeatedly to switch to the BLUETOOTH input (the LED on the front panel lights or blinks blue).

| Possible states:         |                                |
|--------------------------|--------------------------------|
| LED lights continuously: | Active Bluetooth connection    |
| LED flashes slowly:      | No active bluetooth connection |
| LED flashes quickly:     | Bluetooth is in Pairing Mode   |

Pairing mode can be activated by briefly pressing the **pair** button on the remote control. The loudspeaker emits a confirmation tone, disconnects the current Bluetooth connection and is visible to other devices. You can now pair with an compatible smartphone, tablet, or computer. If no pairing is performed within one minute, the A-125 returns to the previous operating mode and reconnects to the last device used.

#### **Bluetooth: Volume control**

Virtually all devices that output an audio signal via Bluetooth have their own volume control. For the best possible quality it is recommended to set the volume of the source device to maximum and adjust the playback volume with the remote control of the nuBox active loudspeaker.

#### Auto power off

The speakers have an automatic power off function that cannot be deactivated. If one of the inputs Bluetooth or AUX is selected, the loudspeaker switches to standby mode after a maximum of 20 minutes without audio input.

With the digital inputs COAX, OPTICAL and HDMI the auto-off circuit reacts directly to the absence of a digital data stream and thus allows a faster switch-off. The playback device must deactivate the data stream accordingly.

#### Auto power on

The electronics of the nuBox active loudspeaker have an automatic switch-on function that automatically wakes them from standby mode as soon as a sound signal or a digital data stream is present. This function is only active if the A-125 has been put into standby mode by the automatic switch-off function.

- At the HDMI input, the automatic switch-on function is always active.
- · However, this function is not available for Bluetooth devices.
- At the other inputs, Auto Power On is only active if the A-125 is set to standby mode by the Auto Power Off function.

If standby mode has been set manually by pressing the button 0 on/off on the remote control, the automatic switch-on function is deactivated.

#### HDMI-ARC and CEC

To enable sound transmission from the TV set to the nuBox A-125 master speaker, both the CEC and the ARC functionality must be activated on the TV set. Usually this is the default condition and the TV should automatically detect the speaker. Refer to the TV manual if necessary.

If these functions are active, both the TV and the remote can control the volume of the A-125 stereo set.

#### PCM sound format

The nuBox active loudspekers process signals in the "PCM" format at the digital inputs. It may therefore be necessary to adjust the settings of players such as TV sets or game consoles accordingly. To do this, select "PCM" as the audio output format in the playback menu. Please also refer to the manual of your player.

#### **Factory Default**

To reset the speaker to it's factory settings, turn the speaker on and press the **mute key**  $\mathbf{L} \mathbf{x}$  on the remote control for 3 seconds within the first 5 seconds. The loudspeaker confirms the process with a green LED and switches to standby mode. At the next start, all settings are in the factory settings.

#### **Construction and technology**

#### Virtual expansion of the stereo stage

A sophisticated DSP algorithm in the nuBox active loudspeakers calculates additional room information which when added to the source signal, leads to a virtual expansion of the stereo stage. There are 2 versions:

- · If the music function is selected the effect is rather soft.
- If the movie function is selected, the ratio of processed information to the original signal is increased; this mode is recommended especially if a very large soundstage is desired and the locating precision is less important.

Pressing the respective button activates the effect. The LED on the loudspeaker front acknowledges the activation by flashing seven times. If the key is pressed again, the effect is deactivated again. The LED on the loudspeaker front flashes only once to confirm.

#### Signal processing

The complete active electronics including signalling, control electronics and all amplifiers are located in the right speaker, the socalled master. The two chassis of the left speaker, the so-called slave, are connected by means of a four-pole loudspeaker cable. The nuBox Stereo Set is therefore a fully active system, as each chassis is powered from its own amplifier channel.

The electronic module consequently has four digital amplifiers that receive their signals directly from a high-quality digital signal processor. This processor also works as a crossover network and takes care of the optimization of the frequency response.

#### **Further applications**

#### Operation with a subwoofer

If your nuBox A-125 is to be used in combination with a subwoofer, you can connect it to the SUBOUT output. This output provides a full-range summed mono signal. The relative volume of the subwoofer, its crossover frequency and phase settings must be adjusted at the subwoofer itself.

If you connect a subwofer to this output, an 80 Hz low-cut is automatically applied to the A-125 to ensure proper integration between the A-125 and the subwoofer.

# **Care and cleaning tips**

# Caution!

- Improper handling of the speaker may result in damage.
- · Always unplug the speaker before cleaning it!
- Before recommissioning, make sure that all connections are correct, that there are no short circuits and that the speaker is completely dry.
- Never use strong cleaning agents or solvents such as petrol, spirit or similar!

#### Enclosure

We recommend commercial window cleaner sprayed onto a cotton cloth. This allows almost all fingerprints and dust to be easily removed. Alternatively, you can also use window active foam. We advise against the use of microfibre cloths! These can cause mini scratches in the surface.

#### **Diaphragms and Speaker Chassis**

To remove dust from a loudspeaker chassis, a lint-free cotton cloth is sufficient to wipe the membrane lightly with very little pressure. The tweeters of all Nubert loudspeakers are equipped with a protective grille so that they can also be wiped off with low pressure. If the dust cannot be completely removed, a make-up brush from the drugstore is suitable.

# Service

If you have any questions or problems during the commissioning of your Nubert system, please do not hesitate to contact our service team:

**Phone:** +49 (0) 8712-0 **E-mail:** info@nubert.de

Please have your customer number ready!

| Technical Data                                      | nuBox A-125   |
|---|---|
| Principle   | fully active hi-fi/studio/<br>multimedia loudspeakers,<br>2-way bass reflex system                        |
| Drivers<br>(per speaker)                            | 1x Tweeter with 25 mm fabric dome<br>1x 118 mm bass-midrange drivers<br>with polypropylene composite cone |
| Power of built-in amplifiers (per set)              | 4x 25 Watt (rated power)<br>4x 40 Watt (music power)  |
| Frequency response                                  | 50 - 22 000 Hz +/- 3 dB   |
| Input sensitivity                                   | 300 mV  |
| Max. Input  | 3.5 Vrms  |
| Standby power consumption                           | < 0.5 Watt  |
| Maximum sampling rates<br>for optical / coax inputs | 24 bit / 192 kHz  |
| Radio frequency bands<br>Radio transmitting power   | 2402 - 2480 MHz<br>7.8 dBm / 6.0 mW   |
| Supported<br>Bluetooth Codecs                       | SBC, aptX™  |
| Dimensions (H x W x D)                              | 24.5 x 13.5 x 20 / 21 cm<br>(D without / with frontcover)   |
| Weight master<br>Weight slave                       | 3.7 kg<br>3.3 kg  |

07/2020 · nuBox A-125

# Warranty terms

#### Your provider and contractual partner:

Nubert electronic GmbH, Goethestr. 69, 73525 Schwäbisch Gmünd, Germanv Phone: +49 7171 8712-0 · Fax: +49 7171 8712-345 · E-Mail: info@nubert.de

Managing Directors: Günther Nubert, Bernd Jung · Register court AG Ulm, HRB 700296 Tax ID No.: DE 16758584 · WEEE Reg. No. DE 48888173

For questions and individual advice, please dial our special number: +49 7171 8712-0

Our hotline is available from:

Monday to Friday from 10:00-18:00 and Saturdays from 9:00-13:00.

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A-125 ·

nuBox

Nubert warrants the Nubert product described in this manual to the purchaser under the following terms and conditions. The purchaser's statutory warranty claims, in particular for subsequent performance and, if applicable, damages in the event of defects, shall remain unrestrictedly with the purchaser and shall be fully available to our customers.

#### 1. The warranty period for the Nubert product and its electronic components described in this manual is 2 years from the date of delivery. Your proof of purchase is the proof of guarantee.

#### 2. Contents of the warranty claim

The guarantee applies to all parts and labour costs from delivery. It includes and is limited to the free repair or replacement of the defective part in the event of a material defect in the goods (e.g. Material defect or manufacturing defect). In addition, Nubert shall bear the costs of the return shipment of the affected product from or to the curb in the case of justified warranty claims, provided that the goods are within the countries of the European Union and the shipment was previously agreed with Nubert. Additional services are possible as a gesture of goodwill in accordance with Nubert's free discretion. For the duration of the guarantee, it is assumed that the material defect was already present at the time of transfer of risk. Replaced parts become the property of Nubert. Warranty services do not extend the warranty period, nor do they set a new warranty period in motion. The warranty period for installed spare parts ends with the warranty period for the entire device. The promise or the execution of warranty services is made without recognition of a performance obligation according to statutory warranty law.

#### 3. The warranty claim does not apply in the case of

- repair attempts of any kind not previously agreed upon with Nubert
- improper operating environment or improper storage (e.g. damage due to moisture or particularly high or low temperatures)
- improper transport packaging (the original transport packaging, correctly used, provides sufficient protection)
- improper transport, if the transport was not previously agreed upon with Nubert (Nubert organizes the transport for you with Nubert selected . Transport company. You will receive return tickets with the corresponding postage paid returns).
- improper mechanical effects on the goods (e.g. on housing, switches, connection sockets or antennas)
- improper operation, improper mounting (e.g. switches, antennas) or improper connection (e.g. operation on defective or unsuitable amplifiers or other source devices with DC voltage or unusually high hum voltage at the source device output).

#### 4. Disassembled components

Do not disassemble any components from our equipment and do not send in any such individual parts until you have contacted Nubert Service and agreed on this measure.

#### 5. What to do in the event of a warranty claim

If possible, pack the defective device in its original carton with a copy of the purchase receipt and a meaningful description of the defect. Please note our shipping instructions. Please contact the Nubert team for a return or refund:

#### • Telephone: +49 7171 8712-0 • Fax: +49 7171 8712-345 • E-mail: info@nubert.de

Of course, you can also return your defective product to the Nubert Service in Schwäbisch Gmünd or Aalen:

Nubert electronic GmbH, Goethestr. 69, D-73525 Schwäbisch Gmünd, Germany
 Nubert electronic GmbH, Bahnhofstr. 111, D-73430 Aalen, Germany.

Shipping information: We recommend that you always keep the original carton, along with the protective foam inserts. Tip: Folding saves space! This is the only way to ensure a safe return shipment in the worst-case scenario. If, in exceptional cases, you use a different packaging, it should protect professionally against the typical dangers of shipping and have special protective cushions or equivalent protective devices. We would like to draw your attention to the fact that we accept no liability for damage caused by improper packaging for which you are responsible!

#### **Disposal and battery return**

Environmental protection: Ingredients, e.g. chemical pollutants in old appliances, can damage the environment and health if stored improperly, in particular if they are not shatterproof or disposed of properly by persons not authorised to do so. Especially in the case of illegal exports, there is no guarantee that the environment and human health will be protected from damage. Old appliances can also contain recyclable raw materials, old appliances can be repaired or parts can be reused and thus considerably protect the environment. Old appliances must therefore not be disposed of with normal household waste or exported illegally. As an end user, you are legally obliged to return or properly dispose of electrical equipment.

#### **Batteries:**

Ingredients, e.g. chemical type of batteries, can damage the environment and health if not stored and disposed of properly. At the same time, recyclable raw materials may also be included. Batteries must therefore not be disposed of with normal household waste. As an end user, you are legally obliged to return used batteries. You can return batteries after use to the seller or in the designated collection points (e.g. in public collection points in your municipality or in the trade) free of charge or send them back free of charge. You can also send the batteries back to the seller free of charge by post, whereby any requirements of the dangerous goods law must be observed. The sale at points of sale is limited to the quantities customary for end users for disposal as well as used batteries which the distributor carries or has carried in its product range.

#### Battery return

The symbol with the crossed-out dustbin reminds you not to put batteries in the household waste.

Under this symbol you can also find the following symbols with the following meaning about ingredients:

Pb = battery contains more than 0.004 mass percent lead. Cd = battery contains more than 0.002 mass percent cadmium.

Hg = battery contains more than 0.0005 mass percent mercury.

## Old appliances

Electrical and electronic equipment is also marked with the crossed-out wheelie bin symbol. The symbol indicates that you,

as the owner of this appliance, may not dispose of it with your household waste (grey bin, yellow bin, organic waste bin, paper or glass).

You can send the device to the municipal collection points to be collected separately from unsorted municipal waste for reuse. Used batteries and accumulators which are not enclosed by the waste equipment shall be separated from it at a collection point prior to delivery.

Old appliances can also be returned to us directly in our shops or shipped back to us for disposal. Please send an Email to info@nubert.de for a free return shipping label. You can also request this by calling +49 7171 8712-0. Please then send the old device to the following address:

Nubert electronic GmbH, Goethestr. 69, D-73525 Schwäbisch Gmünd, Germany.

Please ensure that the old appliance is properly packaged for shipment so that breakage is avoided as far as possible and mechanical compaction or breakage can be ruled out. The acceptance of waste equipment may be refused if there is a risk to human health and safety due to contamination.

Please note: You are responsible for the deletion of personal data on the waste equipment to be disposed of.

## As of: 26.7.2019

Technical changes, errors and misprints excepted. You will find our General Terms and Conditions (AGB) on our website: www.nubert.de/adb.htm



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