nuZeo 3

Quickstart Manual

nubert®

Many thanks for your confidence in our product.

The following instruction guide elucidates all functions, operating and connections explicitly, so that you could enjoy your new Nubert product in its entirety. 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 new Nubert loudspeakers!
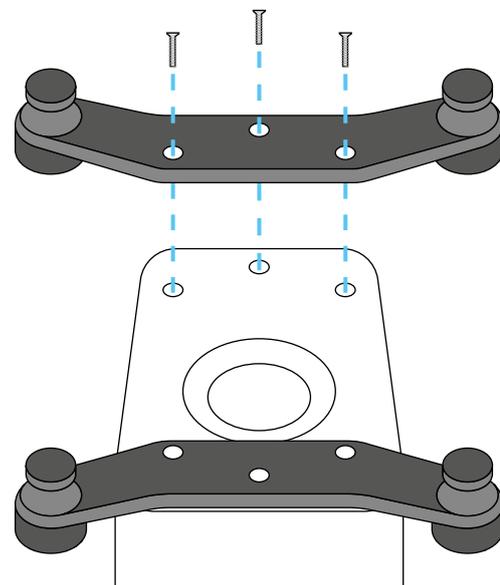
Coldness, Sound and Dependability

When loudspeakers and other electric devices are brought from a cold into a warm environment, it is possible that there will arise water condensation inside. In consequence of that, there exists danger of any defects or an electric shock. Furthermore, deep temperatures will have an impact on the flexibility of movable parts inside of the loudspeaker. Therefore, wait at least 4 hours before turning on the device until it has taken room temperature. Your new Nubert loudspeaker will thank you with the superior sound quality you're expecting from Nubert rightly.
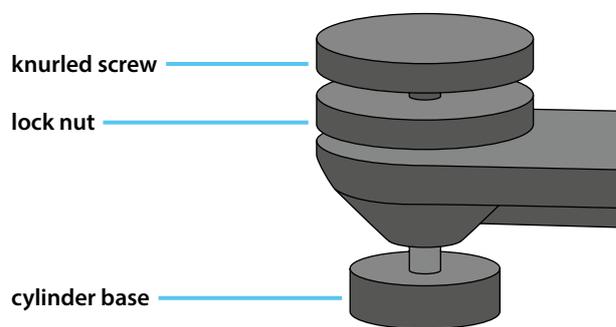
1 Mounting stabilizer feet (nuZeo 3, 4, 11, 15)

For the nuZeo 3, 4, 11 and 15 models, trusses with height-adjustable feet must be mounted before installation to ensure a safety stand! Place the speaker upside down on a soft surface.
Position the two outrigger-feet over the threaded bushings as shown in the graphics, and screw the feet sufficiently tightly to the floor using the supplied Allen screws. By unscrewing the mini spikes, any unevenness of the standing surface can be compensated. You can now turn the box over and place it on its feet.

⚠ **Caution!**
Be careful not to scratch the speaker!
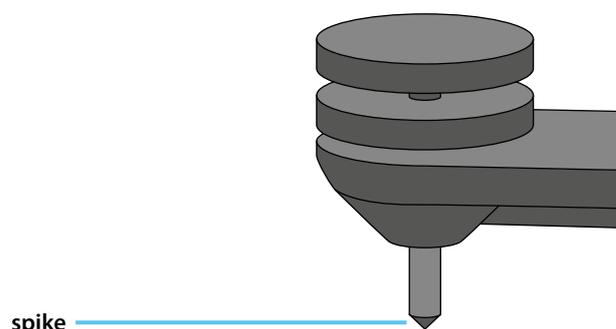Do not let anything fall through the bass reflex tubes into the speaker!

By the knurled screw, the height of each individual foot can be conveniently adjusted from above to compensate for any unevenness in the standing surface. The screw can be secured against rotation by turning the lock nut downwards against the crosshead and slightly tightened.

knurled screw

lock nut

cylinder base

The cylinder base can be detached from the knurled screw in order to obtain an alternative installation option. This can be especially useful for deep-pile carpets.
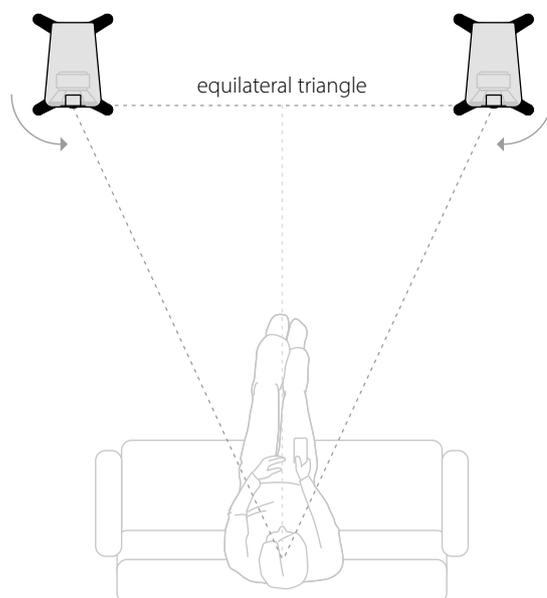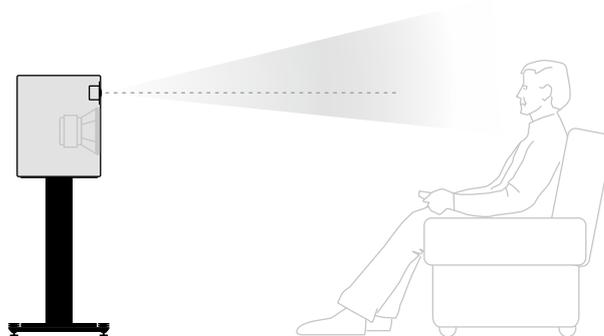
⚠ **Caution!**
Always ensure that no damage can occur to the floor, on furniture or other components during installation the outrigger-feet.

spike

2 Placement

The nuZeo speakers are high-quality, very neutral-sounding bass-reflex active speakers. However, every speaker is subject to the diverse influences of room acoustics. Therefore, please observe the following general placement instructions:

- Rear bass-reflex openings should have a clearance of a few centimeters from the wall or adjacent furniture fronts to avoid airflow noise. A generous distance from the side and rear walls also reduces any overemphasis in the bass and fundamental tone range.

- You will achieve the most natural sound when the tweeter is positioned approximately at ear level. However, even with a 20-degree deviation above or below the tweeter's axis, a homogeneous sound image is still maintained. If your active speakers must be placed lower or higher, they should be angled so that the tweeters are directed toward the listening position.

- When setting up on shelves, the best sound is achieved when the front edge of the cabinet is either flush with the shelf surfaces or even slightly overhangs them.

- Both speakers of a stereo pair should be positioned at an equal distance from the listening position. It is advisable to vary the distances between the speakers and from the speakers to the listening position in order to find the placement that yields the best possible sound outcome.

- Thanks to the excellent dispersion characteristics of the nuZeo speakers, the optimal sound image is achieved in many listening situations when they are oriented perpendicular to the rear wall. Optionally, you can experiment with turning the speakers slightly toward the listening position.

equilateral triangle

Sound Adjustment

To tailor the speakers' sound to your living space or placement, various adjustments can be made using the Nubert X-Remote App (see page 8).

Connect the app to the speakers and navigate, depending on your desired setting, to the following menu items:

> advanced > system hp
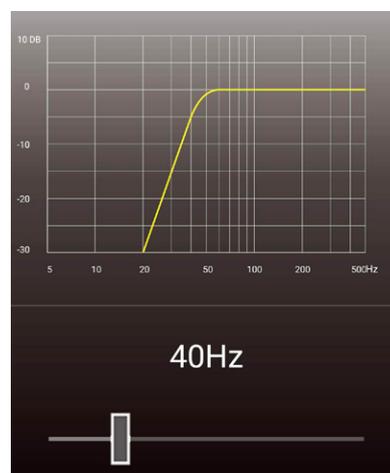to reduce particularly low frequencies that tend to drone

> room calibration
to perform an automatic calibration of the speaker for your listening position.

> sound
to make general sound adjustments.

40Hz

3 Signal Connections

If the speaker is only supplied with audio signals via wireless (X-Connect or X-Connect Surround), you can skip this step. If you want to supply your speakers with audio signals via cable, the following options are available:

XLR (analog balanced)
Each speaker is supplied directly with the audio signal (individually).

AUX (analog unbalanced)
Option A: One speaker (e.g., Channel_L) is supplied with the audio signal and forwards it via a "Link" cable to the other speaker (e.g., Channel_R).
Option B: One speaker (e.g., Channel_R) is supplied with the audio signal, and the master speaker forwards the audio signal to the other speaker (e.g., Channel_L) via a Link cable. In this case, make sure the channels are set to Left and Right accordingly.
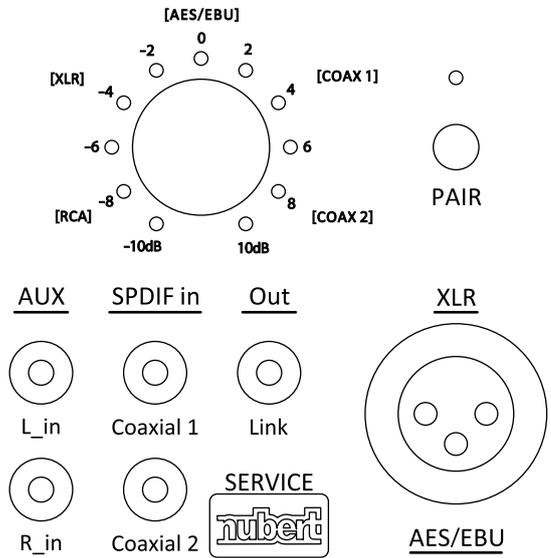
AES / EBU (digital balanced)
SPDIF Coaxial 1 & 2 (digital unbalanced)
One speaker (e.g., Channel_L) is supplied with the digital audio signal and forwards it via a "Link" cable to the other speaker (e.g., Channel_R). For these digital inputs, you can configure whether the incoming signal should be passed on to the coaxial output if needed.
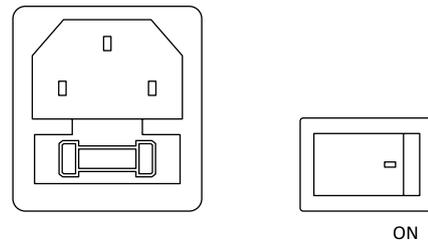
⚠️ **Caution!**
Make any changes to the speaker wiring only when the speakers are switched off.

4 Mains Connection

The included power cable is connected to the power inlet to establish the connection to the mains supply. Now switch on the speakers by turning the switch located next to the power inlet to the ON position.
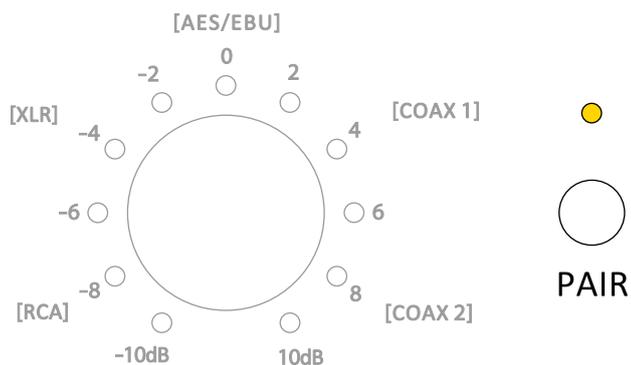
ON

5 Wireless Pairing with a Preamplifier

Excellent wireless stereo solutions can be realized with Nubert devices such as the nuPro X-RW preamplifier, the nuControl X, or the nuConnect ampX integrated amplifier. Traditional preamplifiers can also be connected via cable to a nuConnect trX, which then supplies the active speakers wirelessly. The setup process is always the same.

Pairing Procedure Directly on the Speaker (Factory Default)
Press and hold the **PAIR** button for 3 seconds.
This switches the setup to pairing mode.

Pairing Procedure via X-Remote App (Recommended)
The pairing process can also be started via the X-Remote App (see page 8). Connect the app to the respective speaker, switch in the speaker's main menu to the entry **> setup**, and select **> wls slave**.

[AES/EBU]
0
–2   2
[XLR]
–4   4
–6   6
–8   8
[RCA]
–10dB   10dB
[COAX 1]
[COAX 2]

PAIR

setup
single
pair
wls master
wls slave

In both cases, the speaker now searches for 2 minutes for a compatible, wireless master (e.g. nuControl X, nuXinema preAV) and indicates this by rapid blinking of the white LED.

Now start the pairing process on the transmitter as well. This can usually be done by selecting the entry **wls master** in its **setup** submenu. If necessary, please refer to the transmitter's operating instructions.

The two devices connect; an established connection is indicated by a steady white LED.

6 Master-Slave Connection (Stereo Pair)
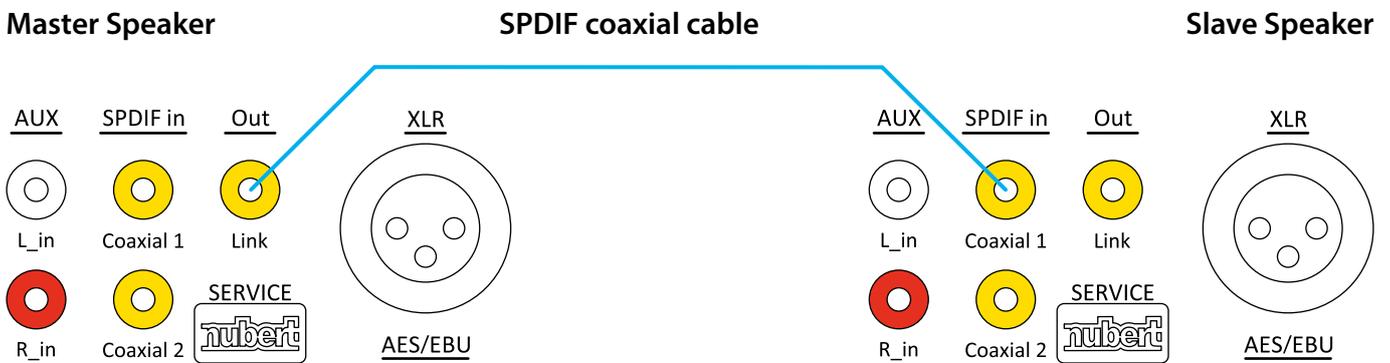
This step is skipped in the following cases:
• You have already paired your speakers directly with a preamplifier (Step 5).
• You have connected each speaker individually via XLR or AUX cable.

The speaker to which you have connected your source devices is your Master-Box.
It controls the second speaker of the stereo pair, the Slave speaker, and also forwards the appropriate audio track to it. For this purpose, the speakers must be connected to each other. This can be done by means of a cable or wirelessly.

Variant A – Wired Stereo Pair

Use a coaxial cable to connect the **Link Out** port on the Master Speaker and **SPDIF in Coaxial 1** on the Slave Speaker.

Master Speaker   **SPDIF coaxial cable**   **Slave Speaker**

AUX	SPDIF in	Out	XLR		AUX	SPDIF in	Out	XLR
L_in	Coaxial 1	Link			L_in	Coaxial 1	Link	
R_in	Coaxial 2	SERVICE nubert	AES/EBU		R_in	Coaxial 2	SERVICE nubert	AES/EBU

Ensure that both speakers are in Pair mode by connecting the X-Remote App to each speaker and switching to the speaker's main menu. Navigate to the entry **> setup** and select **> pair**.
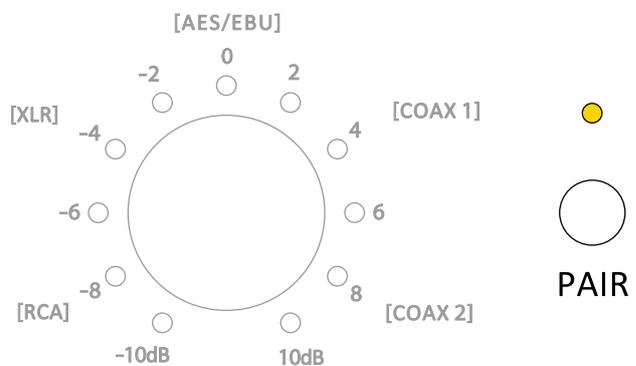
Variant B – Wireless Stereo Pair

If you do not want to (or cannot) establish a wired connection between the speakers, there is also the option of a wireless connection.

Pairing Process via X-Remote App
The pairing process is started on the Master-Speaker via the X-Remote App (see page 8). Connect the app to the Master-Speaker, switch to the speaker's main menu, navigate to the entry **> setup**, and select **> wls master**. Then connect the second speaker to the X-Remote App as well and switch to the speaker's main menu. Navigate to the entry **> setup** and select **> wls slave**. The two devices will now connect. The LED on the back of the devices indicates when the connection has been established.

setup
single
pair
wls master
wls slave

Pairing Process Directly on the Speaker (Factory Default)
Instead of starting the pairing process via the app, you can press and hold the button labeled **PAIR** for 3 seconds.

[AES/EBU]
0
−2   2
[XLR]   [COAX 1]
−4   4
−6   6
−8   8
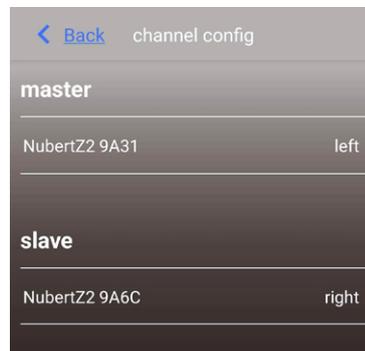[RCA]   [COAX 2]
−10dB   10dB

PAIR

7 Channel Selection (Stereo pair)

Finally, the appropriate channels must be assigned to the speakers.

• Start the X-Remote App (see page 8) and connect it to the Master-
  Speaker or the transmitter.
• In the main menu of the app, navigate to **> channel config**.
• Here you will see an overview of the speakers and can select which
  channels are to be played back by each speaker.

Note:
If you have connected the speakers to a preamplifier such as
a nuControl X or nuXinema preAV via X-Connect, the channel
selection must be made on that device.

‹ Back	channel config
master	
NubertZ2 9A31	left
slave	
NubertZ2 9A6C	right

8 Source Selection and Sensitivity

You can set the input and sensitivity directly using the rotary control
on the rear of the speaker.

Press
To switch between sensitivity and input, briefly press the rotary control.
• Sensitivity   LEDs light up green
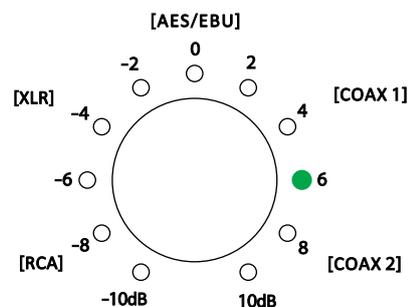• Input   LEDs light up blue

Turn
By turning the rotary control, you can adjust the corresponding para-
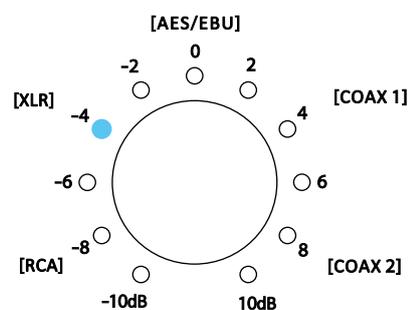meter. The adjustment range includes the following:
• Input: The sources connected by cable are selected via the rotary
  control. The X-Connect wireless input is displayed separately.
• Sensitivity: −10 to +10 dB, increments of 1 dB
  The currently selected value is indicated by the LEDs around the rotary
  control. The LED can show intermediate steps using two different
  brightness levels. If the LED lights up at full brightness, the value
  exactly corresponds to the marking next to the LED. If the LED lights
  up at reduced brightness, it indicates the smaller intermediate value,
  which is not labelled.
  Example: If the LED in the illustration to the right only lights up with
  reduced brightness, the sensitivity is set to −5 dB.
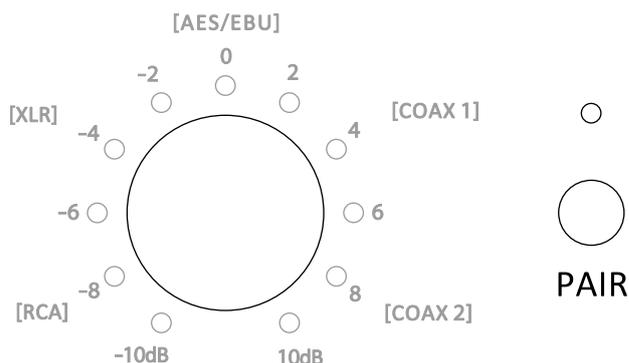
Example: Sensitivity +6 dB

Example: Input XLR

9 Factory Reset

To reset the speaker to its factory settings, it must first be switched off
using the switch on the rear panel. Wait 10 seconds and then switch
it on again. Within 3 seconds of switching it on, both buttons on the
rear panel (SOURCE/PAIR and the push/rotary control) must be pressed
and held for at least 8 seconds. All settings will then be restored to their
original factory state.

Alternatively, the factory reset can also be performed via the X-Connect
App. To do this, navigate to the menu entry **> advanced > default** and
confirm the security prompt.

PAIR

Nubert X-Remote App

To control your speakers, you can use the Nubert X-Remote App, which can be downloaded free of charge from the App Store or Play Store to your mobile device.
With the X-Remote App, you can conveniently make all settings from your listening position. The app also provides additional options that cannot be configured directly on the speaker. In addition to the functions already explained in this manual, the following are particularly noteworthy:

Password Assignment
If necessary, when connecting the app to a specific device for the first time, you may be prompted to enter a password. The default password is 0000.
In the menu
> settings > advanced > password
you can set a different password to protect the device from unauthorized access.
If the device is reset to the factory settings (default), the password is also reset to 0000.

X-ROOM CALIBRATION

Room acoustics often cause disturbances such as booming or dips in the low-frequency range. X-Room Calibration enables you to optimize the frequency response in the bass range, providing an optimal listening experience with powerful, tight, and precise bass. To get the best results from this automatic calibration, connect the app to the device and carry out the calibration from your listening position. During the process, the speakers play test signals, which are recorded by your smartphone's microphone. Based on these measurements, the app calculates a correction curve and sends it to the speaker. The speaker then adjusts the frequency response during playback so you can enjoy the optimal sound image at your listening position.

Note:
For Android devices, the "Nubert XRC Android Interface" USB measurement microphone is required to use X-Room Calibration.

Status LED

There is a status LED on the front of the speaker. During operation, it displays its color based on the selected input. In standby mode, the LED glows with reduced brightness.

Input:	Status LED Color:
Wireless	Blue
AUX	Green
XLR	White
AES / EBU	Yellow
COAX 1	Orange
COAX 2	Red

Status LED configuration
The status LED shows the selected input in the corresponding color. However, it is possible to change the color of the status LED to white in the X-Remote App.

To configure the color of the status LED, go to **> advanced > display**

light:
normal The status LED remains at full brightness by default.
auto dim After an input is made, the status LED switches to reduced brightness.
auto off After an input is made, the status LED switches off.

Note:
If the speaker is configured as a Slave, the "light" setting cannot be changed.

color:
source By default, the settings LED displays the color of the selected input.
white 10 seconds after a configuration change (e.g., volume adjustment or any other interaction), the status LED always reverts to white light.

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