nuZeo 6

Quickstart Manual

nubert®

Thank you for choosing Nubert speakers!

In this user manual, we explain the setup, connections, and commissioning of the system. Furthermore, the entire range of functions and operation is listed so that you can achieve the optimum sound quality and functionality and fully enjoy your speakers.

Be sure to also read the additional enclosed safety instructions!
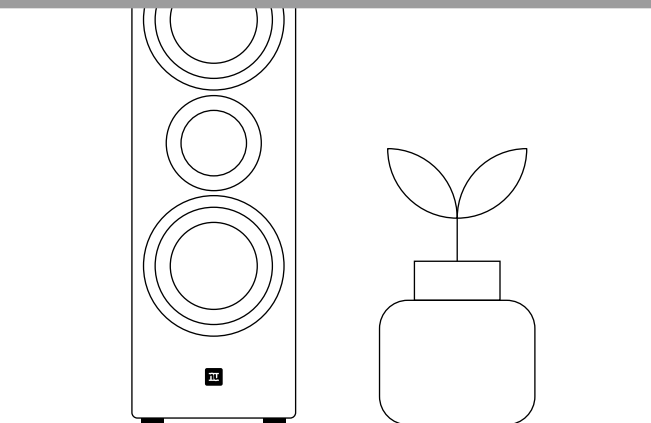
We wish you much joy with your new speakers!

Cold, sound, and operational safety

When speakers or other electronic devices are brought from a cold environment into a warm room, condensation can form inside – there is a risk of defect or electric shock! Additionally, low temperatures can impair the mobility of parts inside the speaker, such as membranes. Wait at least 6 hours before turning on the device until it has reached room temperature and is dry! Your new speaker will reward you with the superior sound quality you rightly expect from Nubert.

1a Placement

For vertical placement of the speaker, four vibration-damping elastic buffers are attached to its bottom, ensuring a solid stand on various furniture pieces.

1b Wall mounting (optional)

To mount the nuZeo 6 on a wall, an optional wall bracket is available separately. This is attached using the two threaded sockets on the back of the nuZeo 6 and allows the speaker to be swiveled around its longitudinal axis. Detailed step-by-step instructions for mounting and attaching the wall bracket can be found in its installation manual.
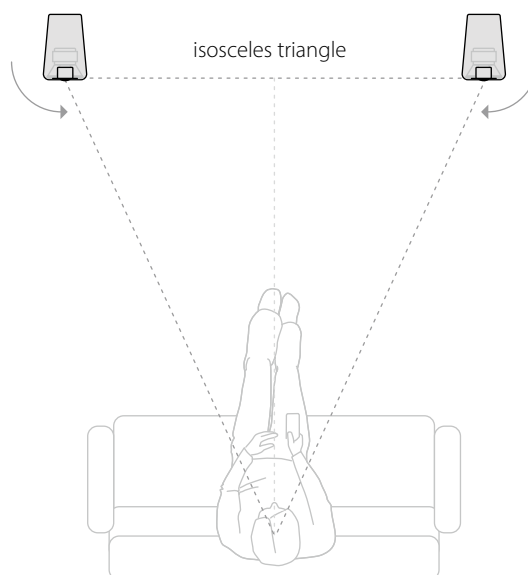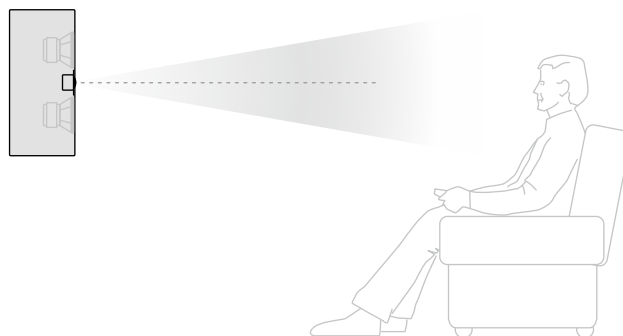
2 Placement

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

- Rear bass reflex openings should have a few centimeters of distance from the wall or adjacent furniture fronts to avoid airflow noise. With a generous distance to side and rear walls, an emphasis in the bass and midrange area is also reduced.

- The most natural sound is achieved when the tweeter is at ear level. However, even 20 degrees above and below the tweeter axis still results in a homogeneous sound image. If your active speakers need to be placed higher or lower, they should be angled so that the tweeters are directed at the listening position.

- When placed on shelves, the best sound is achieved when the front edge of the box is flush with the shelf edges or even slightly overhangs.

- The speakers of a stereo pair should be placed equidistantly from the listening position. It is advisable to vary the distances between the speakers and the listening position to find the placement with the best sound result.

- Due to the excellent omnidirectional behavior of the nuZeo speakers, the optimal sound image is achieved in many listening situations when they are aligned perpendicular to the rear wall. Optionally, you can experiment with turning the speakers slightly towards the listening position.

isosceles triangle

Sound adjustment
To adapt the sound of the speakers to your room or placement, various adjustments can be made using the Nubert X-Remote App (see page 8). Connect the app to the speakers and navigate to the following menu items depending on the desired setting:
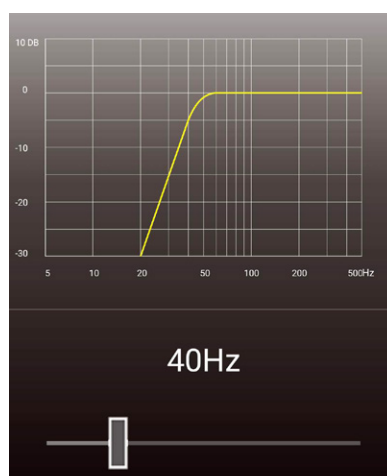
> advanced > system hp
to reduce particularly low frequencies that tend to drone.

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

> sound
for general sound adjustments.

40Hz

3 Signal connections

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

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

AUX (analog unbalanced)
Option A: Each speaker is directly supplied with the audio signal and controlled individually. (Factory setting: Kanal L_in is active)
Option B: Alternatively, both channels can be connected to one speaker of a stereo pair. This speaker then acts as the master speaker. The audio signal of the second channel can be passed on via digital coaxial cable or X-Connect wireless connection.
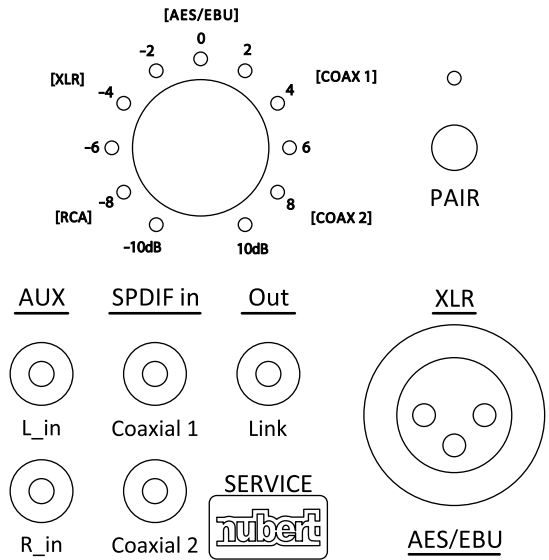
AES / EBU (digital balanced)
SPDIF Coaxial 1 & 2 (digital unbalanced)
The signal cable is connected to one speaker of a stereo pair. This speaker then acts as the master speaker. The audio signal of the second channel can be passed on via digital coaxial cable or X-Connect wireless connection.
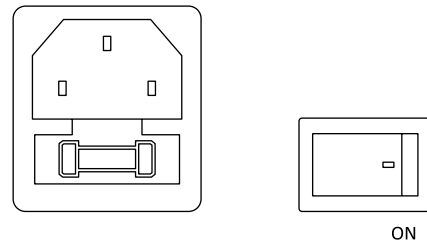
⚠️ **Attention!**
Make changes to the speaker cabling only when the device is turned off!

4 Power connection

Connect the included power cable to the power socket to establish the connection to the power network. Turn on the speakers by flipping the switch next to the power socket to the ON position.
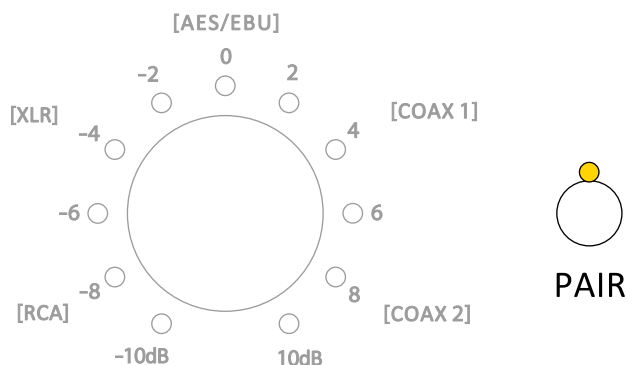
ON

5 Wireless pairing with a preamplifier

Excellent wireless stereo solutions can be set up with Nubert devices such as the high-end preamplifier nuControl X or integrated amplifiers like nuConnect ampX or ampXL. Traditional preamplifiers can also be supplemented with a nuConnect trX wireless adapter to save cable paths to active speakers. Surround solutions can also be set up with the nuZeo speakers. For this purpose, the nuXinema preAV preamplifier is recommended.
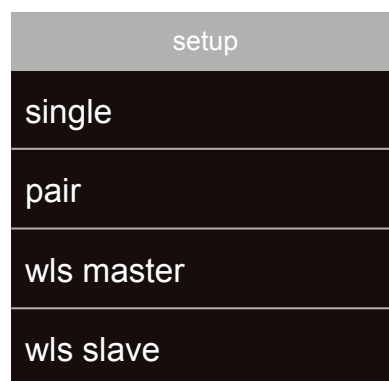
Pairing process directly on the speaker (Factory State)

Press and hold the button labeled **PAIR** for 3 seconds to start the pairing process.

Pairing process via X-Remote App

The pairing process can also be started via the X-Remote App (see page 8). Connect the app to the relevant speaker, navigate to the main menu of the speaker, select **> setup**, and choose **> wls slave**.

setup
single
pair
wls master
wls slave

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

Start the pairing process on the transmitter as well. This is usually done by selecting the entry **wls master** in its **setup** submenu.
Refer to the transmitter's user manual if necessary.

The devices connect; a successful connection is indicated by a steady white LED.

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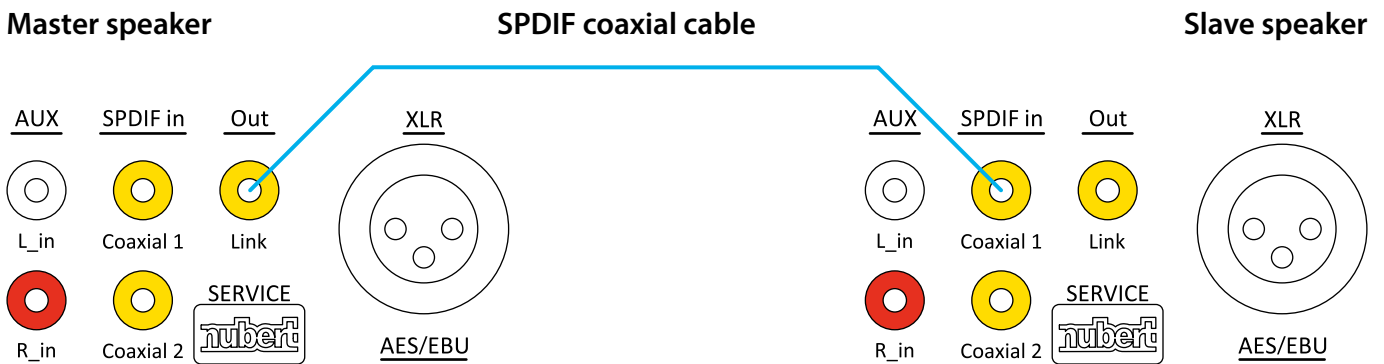
This step is skipped in the following cases:
• You have paired your speakers directly with a preamplifier (Step 5).
• You have connected each speaker individually via XLR or AUX cable.

The speaker to which you have connected the players is your master box.
It controls the second speaker of the stereo pair, the slave speaker, and also passes the appropriate audio track to it.
The speakers must be connected to each other. This can be done via cable or wirelessly.

Option A – Wired stereo pair

Connect the **Link Out** port on the master speaker to the **SPDIF in Coaxial 1** port on the slave speaker using a coaxial cable.

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	AES/EBU		R_in	Coaxial 2	SERVICE	AES/EBU

Ensure that both speakers are in pairing mode by connecting the X-Remote App to each speaker and navigating to the main menu of the speaker. Select the entry **> setup** and choose **> pair**.
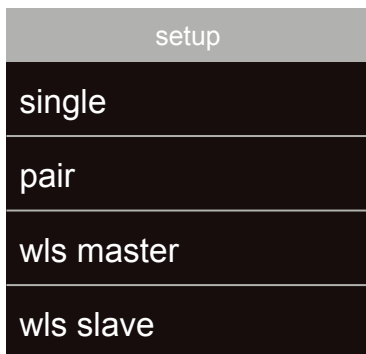
Option B – Wireless stereo pair

If you do not wish to have or cannot establish a cable connection between the speakers, a wireless connection is also possible.

Pairing process via X-Remote App

The pairing process is started on the master speaker via the X-Remote App (see page 8). First, connect the app to the master speaker, navigate to the main menu of the speaker, select **> setup**, and choose **> wls master**.
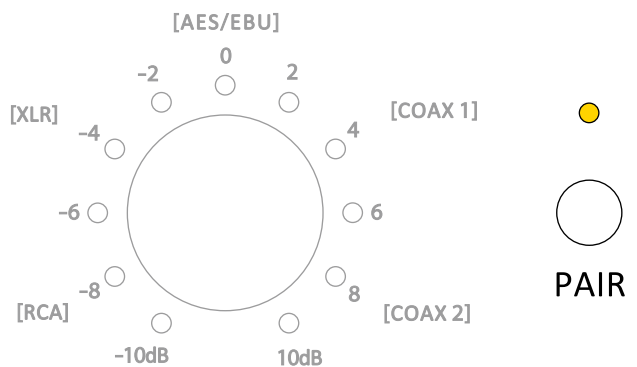Then, connect the app to the slave speaker, navigate to the main menu of the speaker, select **> setup**, and choose **> wls slave**.
The devices connect; a successful connection is indicated by a steady white LED on the back of the device.

setup
single
pair
wls master
wls slave

Pairing process directly on the speaker (factory state)

On the slave speaker, you can also start the pairing process without the app by pressing and holding 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

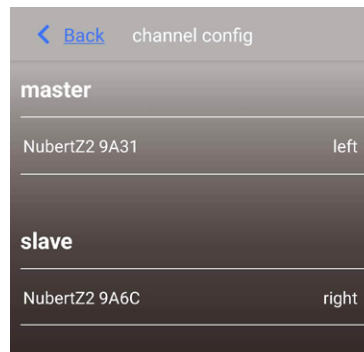Finally, the appropriate channels must be assigned to the speakers.

• Start the X-Remote App (see page 8) and connect it to the master
  speaker or the transmitter.
Navigate to the main menu of the app, select the entry
> channel config. Here, you get an overview of the speakers and
can select the channels to be played back for 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
is made on that device.

8 Source selection and sensitivity

The selection of input and sensitivity can be made directly using the
rotary control on the back of the speaker.

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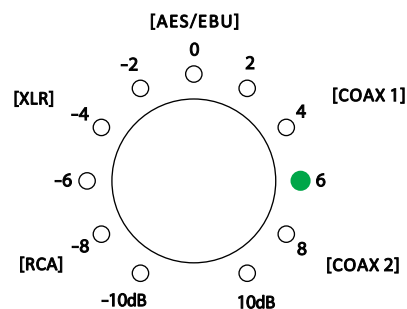To switch between sensitivity and input, press the rotary control.
• Sensitivity   LEDs light up green
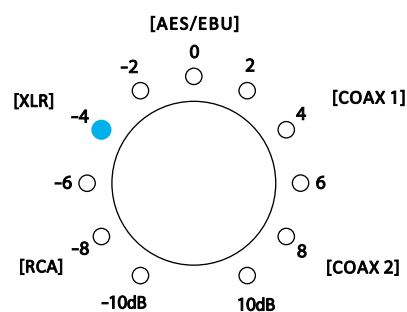• Input   LEDs light up blue

Rotate
By rotating the control, the respective parameter can be varied. The
adjustment range includes:
• Input: The 5 directly connected sources are selected via the rotary
  control. The X-Connect wireless input is automatically selected by
  pairing the speaker.
• Sensitivity: −10 to +10 dB in 1 dB steps
• The current value is indicated by the LEDs around the rotary control.
  The LED allows the display of intermediate steps through two different
  brightness levels. If the LED lights up fully, the exact value next to the
  LED is set. If the LED lights up with reduced brightness, the smaller
  intermediate value is set.
  Example: If the LED in the illustration on the right lights up with redu-
  ced brightness, a sensitivity of −5 dB is set.
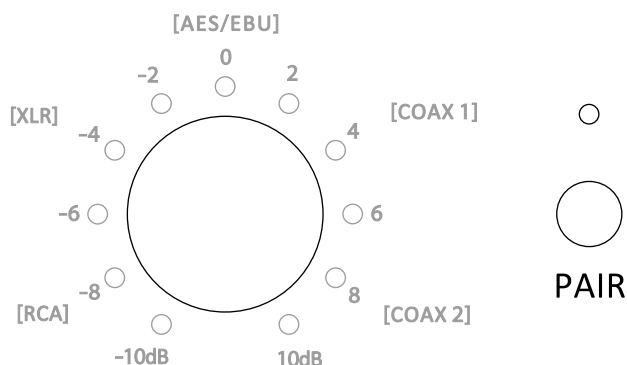

Example: Sensitivity +6 dB

Example: Input XLR

9 Factory reset

To reset the speaker to factory settings, it must first be turned off using
the switch on the back of the device. Wait 10 seconds and turn it back
on. Within 3 seconds after turning it on, both buttons on the back of the
device (SOURCE/PAIR and the rotary control) must be pressed and held
for at least 8 seconds.
All settings are now back to the factory state.

Alternatively, the factory reset can also be performed via the X-Connect
App. Navigate to the menu item **> advanced > default** and confirm
the security prompt.

Nubert X-Remote App

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

Password assignment
When you first connect the app to a suitable device, you may be prompted to enter a password. The default password is 0000.
In the menu under
> settings > advanced > password
you can set a different password to protect the device from unauthorized access.
If the device is reset to factory settings (default), the password is also reset to 0000.

X-ROOM CALIBRATION

Interference such as droning or dips in the bass range is often caused by room influences. The X-Room Calibration allows optimization of the frequency response in the bass range, providing an optimal listening experience with punchy, dry, and responsive bass. To get the most out of this automatic calibration, connect the app to the device and perform the calibration directly at your listening position. The speakers play test noise, which is picked up by your smartphone's microphone. Based on these measurement data, the app calculates a correction curve and transmits it back to the speaker, which adjusts the frequency curve during playback so that you enjoy the optimal sound image at the listening position.

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

Status LED

The status LED is located on the front of the speaker.
During operation, it indicates the selected input by its color.
In standby mode, the LED lights up with reduced brightness.

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

Note:
The behavior of the LED can be influenced via the X-Remote App.
Navigate to the menu item
> advanced > display > light

Stand: 19.06.2024

Technical specifications, errors, and omissions excepted
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