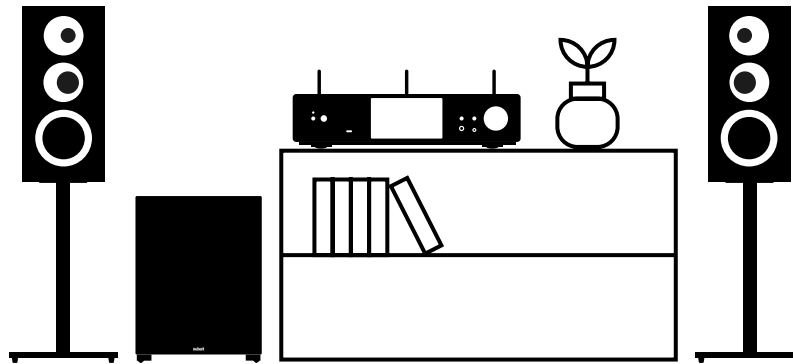


Nubert

nuControl X

Application examples



Network
setup
see pages
36/37

If you have any questions or problems during the setup of your Nubert system, please do not hesitate to contact our service team. Please have your customer number ready.
Phone: +49 7171 87120 · Email: info@nubert.de



nubert®

Thank you for choosing a Nubert device!

You will find information on how to set up your system in the operating manual on the back of this booklet.

In it, we explain the entire range of functions, the operation and the connections in detail so that you can achieve optimum sound quality and functionality, ensuring you get maximum joy out of your device.

Please make sure to read the additional safety instructions enclosed!

The Nubert team wishes you lots of fun!

This section of the booklet is intended to illustrate various practical applications of the nuControl X. It is intended to provide you with a practical guide to setting up and connecting your music system as well as hints on how to configure it correctly.

Note: The nuControl X supports a wide range of applications, the options shown below are just some common examples. If you have any problems setting up the nuControl X in your individual setup, our support hotline will be happy to help you.

Please also refer to the separately enclosed supplementary sheet regarding safety instructions and service.

For detailed instructions on operating the appliance, please turn over the booklet.

Contents - Connection examples

| | |
|--|----|
| Power amplifier and passive speakers | 49 |
| Active speakers via XLR or RCA | 47 |
| Active speakers via X-Connect wireless system | 45 |
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| Headphones | 41 |
| Recording devices | 39 |
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Power amplifier and passive speakers

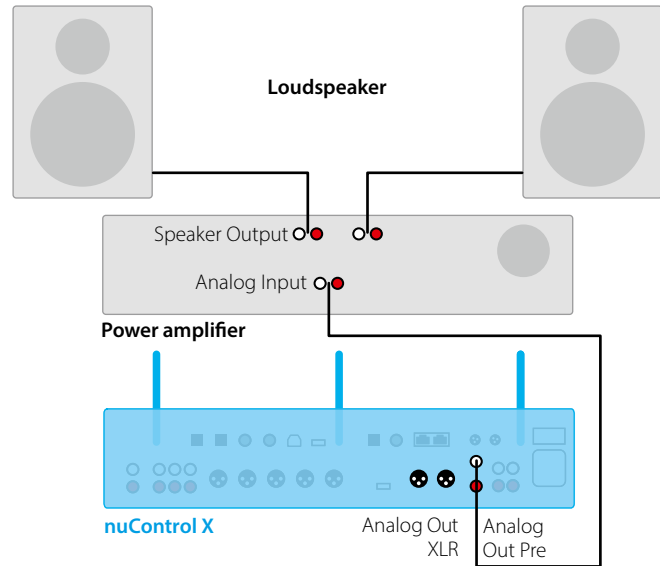
A power amplifier can be connected either balanced via XLR or unbalanced via RCA. The Analog Out XLR or Analog Out Pre connections are used for this purpose.

Among other things, they are volume-controlled and output the main signal, which can be influenced using the various equalizers and the settings in the Sound menu item (see pages 11 and following).

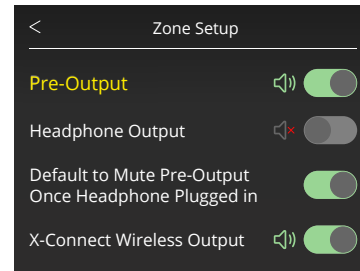
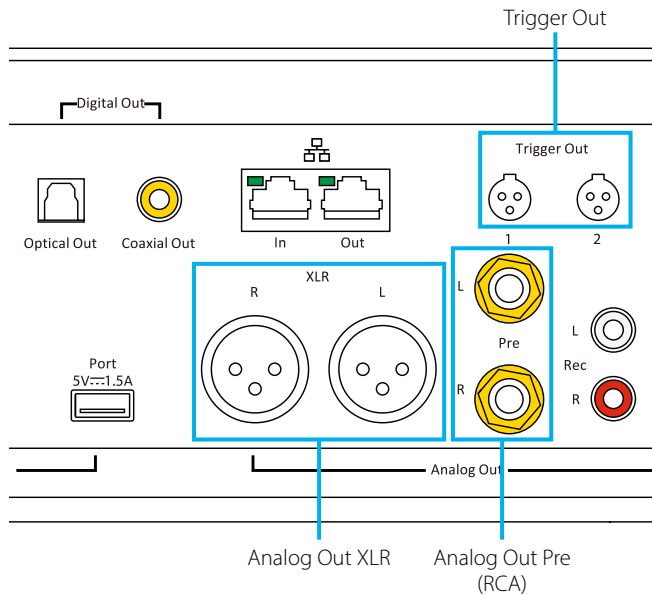
Output voltage: Nominal voltage / maximum

Aux: 3.2 Vrms / 8 Vrms

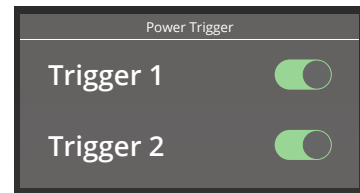
XLR: 3.2 Vrms / 12 Vrms



To switch the power amplifier on and off together with the nuControl, the Trigger Out connections can be used, where the nuControl provides a 12 V trigger signal. The sockets are designed as mini XLR to ensure a secure connection. Suitable cables are included.



The preamplifier outputs Analog Out XLR, Analog Out Pre and Analog Out Sub can be activated or deactivated together in the menu > Zone Setup > Pre Output.



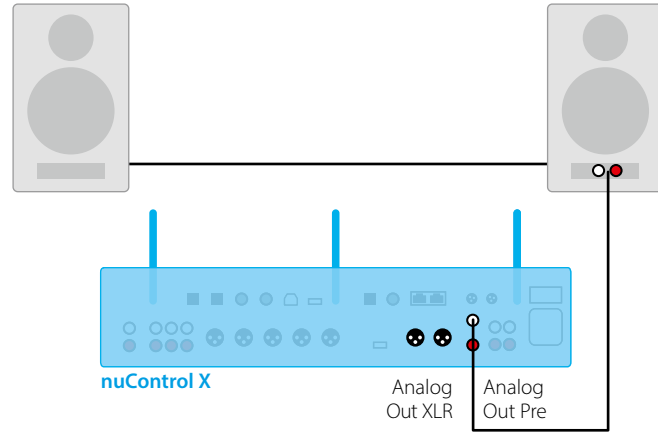
The trigger connections can be activated or deactivated individually in the menu > Setting > Power Trigger.

Aktive speaker via XLR or RCA

The nuControl X preamplifier allows the RCA and XLR front outputs to be used simultaneously. This can be useful for connecting two different speaker systems. In our example above, the setup can be expanded to include two active speakers that are supplied with the same signal as the main speakers.

As with the connection of a power amplifier, active speakers can also be connected to the analog outputs. The connection can be balanced via XLR or unbalanced via RCA. The Analog Out XLR or Analog Out Pre connections are used for this purpose. Among other things, they are volume-controlled and output the main signal, which can be influenced using the various equalizers and the settings in the > Sound menu item (see pages 11 and following).

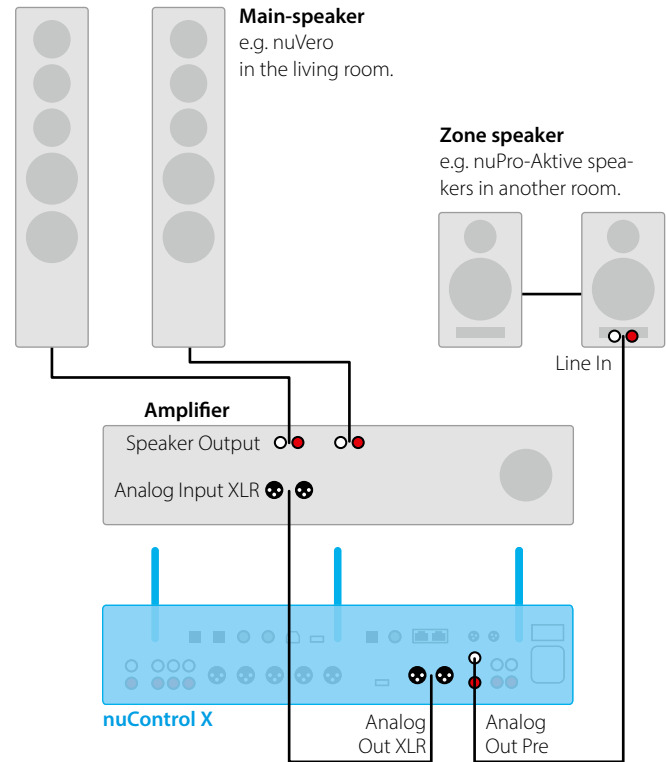
Alternatively, active speakers can also be integrated wirelessly via X-Connect Surround. Further information on integrating speakers via X-Connect can be found on page 45.



Hint: Use XLR and RCA outputs simultaneously

The nuControl X allows you to use the RCA and XLR outputs simultaneously. This can be useful to connect two different speaker systems. For example, speakers in another listening area, such as the kitchen, can be supplied with the same signal as the main speakers.

Note: Both outputs emit the identical, volume-controlled signal, modified with the respective sound controls if necessary. If two clearly different pairs of speakers are to be operated, it is therefore advisable to use settings that are as neutral as possible and to store them in one of the memory locations p1, p2, p3 for this operating case (see pages 18/19).

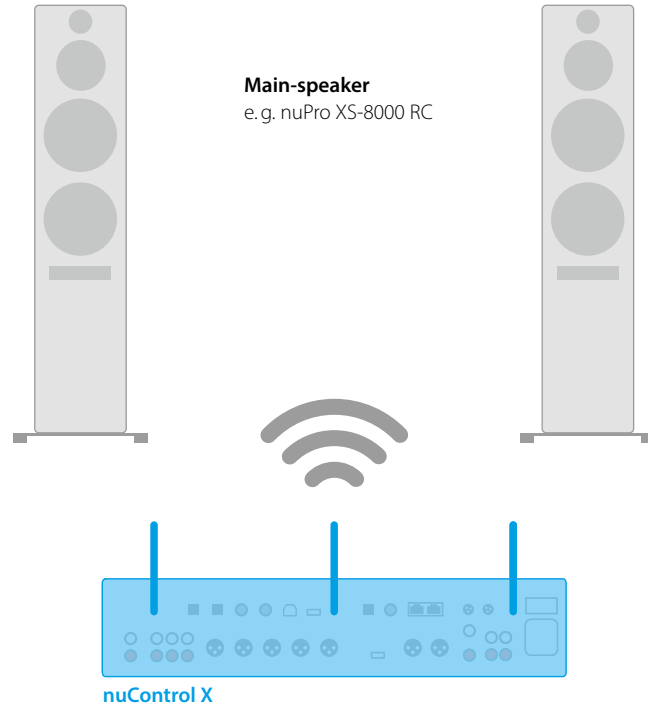


Active speakers via X-Connect wireless system

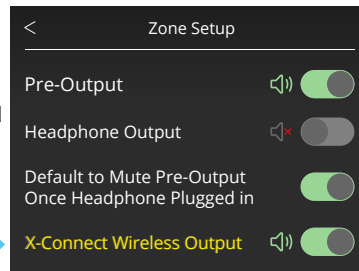
Active speakers such as the Nubert X Series and the nuZeo Series can receive audio data from the nuControl X wirelessly via X-Connect. To use this option, first screw all three wireless antennas to the back of the nuControl X and point them upwards.

Next, activate the function > X-Connect Wireless Output in the menu > Zone to switch on the wireless protocol (see illustration on the right).

The wireless range is sufficient for a maximum of 50 meters without obstacles. In practice and taking into account walls and furniture, 10 to 15 meters should always be possible.



Switching on the X-Connect wireless protocol: Activate and configure in the menu > Zone Setup > X-Connect Wireless Output (see page 11 for more details).



Please also refer to the operating manual for the respective speakers to connect them via X-Connect.

Subwoofer

A subwoofer provides a much more pronounced stereo sensation by amplifying the low frequencies. At the same time, the other speakers are relieved in the low-frequency range, giving the setup considerably more dynamics.

The „Sub“ outputs can be used to connect active subwoofers to the nuControl X. Both outputs provide a volume-controlled, low-pass filtered mono signal for this purpose. Separate settings can be made for both outputs via the menu item > Subwoofer (see pages 41 and following).

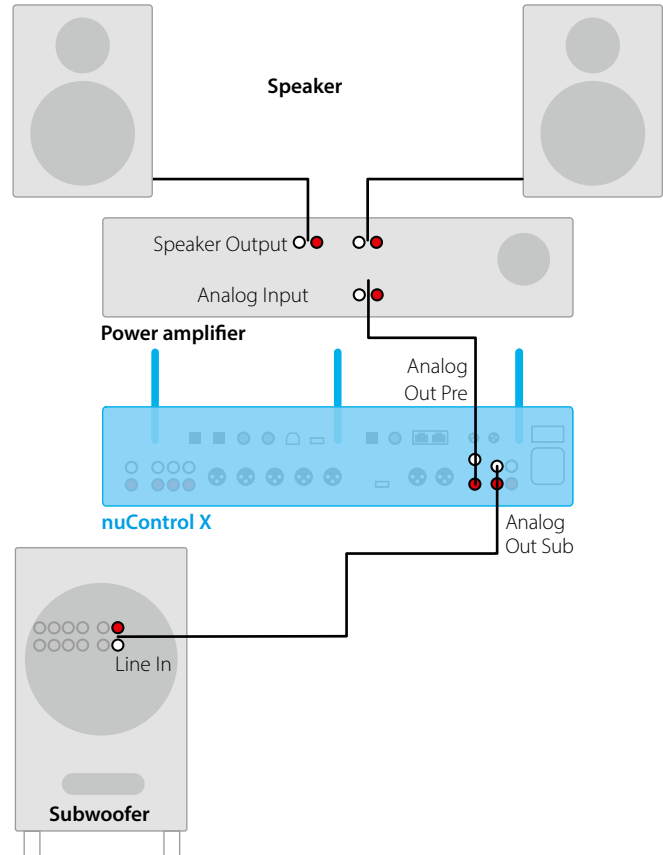
If the subwoofer is controlled wirelessly via X-Connect, the settings must be made on the subwoofer itself, as this always outputs a full-range signal. If necessary, please refer to the operating manual for the subwoofer to find out how to set it up for wireless operation.

Sub/Sat-System

The nuControl X is equipped with two separately adjustable outputs (Analog SUB). When connecting only one, only one output may be used – please observe the correct cabling. It is advisable to set the upper cut-off frequency on the subwoofer to the maximum value and to implement further fine-tuning of the parameters via the subwoofer menu on the nuControl X. Detailed tuning of the subwoofer can be carried out in the Nubert app. Subwoofers can also be controlled wirelessly via X-Connect.

Subwoofer menu

In the Subwoofer menu, you can access the sound control for the two subwoofer channels of the nuControl X. A mono signal is available at both outputs (see pages 4/5). The Level, Delay and Phase parameters can be set separately for the two subwoofer channels. The respective values can be adjusted using the left and right buttons on the cross-shaped control unit. Use the up and down buttons to switch between the individual options.



Hint: With nuControl X, the correct addition of the signals from the satellites and subwoofer can be achieved not only by adjusting the phase and delay of the subwoofer, but also by delaying the satellites.

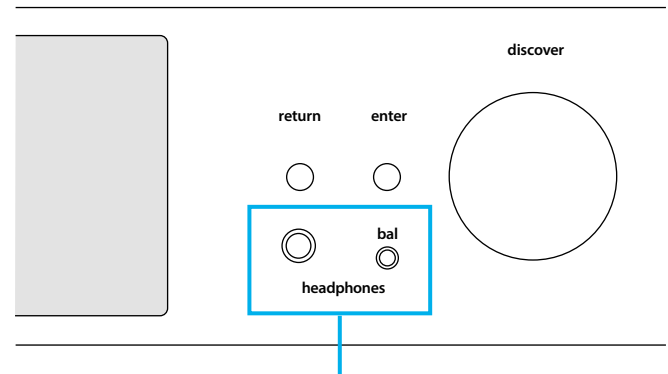
Setting a suitable delay for the satellites has clear advantages in terms of the time-correct behavior of the overall system compared to setting a delay for the subwoofer.

If the satellites are delayed when integrating a subwoofer using the **Delay** option in the **Sound** menu (see page 11), this allows for a sound performance comparable to high-quality floorstanding speakers. It is therefore recommended that you use the Delay option in the Sound menu when setting up the overall system to achieve the correct time response.

Headphones

Unbalanced/Balanced

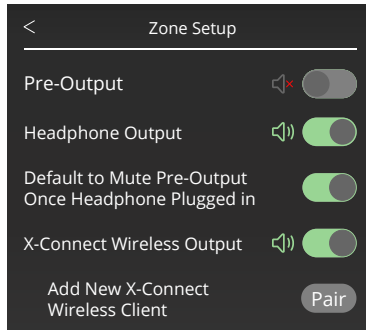
The labeled sockets for connecting headphones are located on the front of the device. When connecting **headphones**, you can specify in the **Zone** menu (see page 11 and fig. right) whether connected main speakers should be muted or remain active.



Headphone connections: Unbalanced/balanced

Zone Setup menu

The „Headphone Output“ option activates the headphone outputs.



Bluetooth

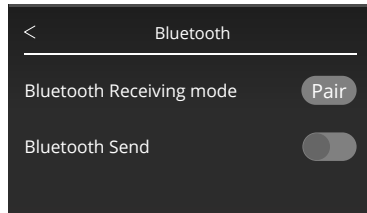
Headphones with built-in Bluetooth can be paired with the nuControl X via Bluetooth. To do this, activate the **Bluetooth Send** function in the **Settings** menu (see page 12).

If necessary, please refer to the operating manual of your headphones to find out how to activate the pairing mode for Bluetooth. The wireless connection allows convenient operation of the headphones.

Note: The Bluetooth connection remains stable over a distance of around ten meters. However, walls, furniture, and other obstacles can severely restrict the connection.

Setting > Bluetooth menu

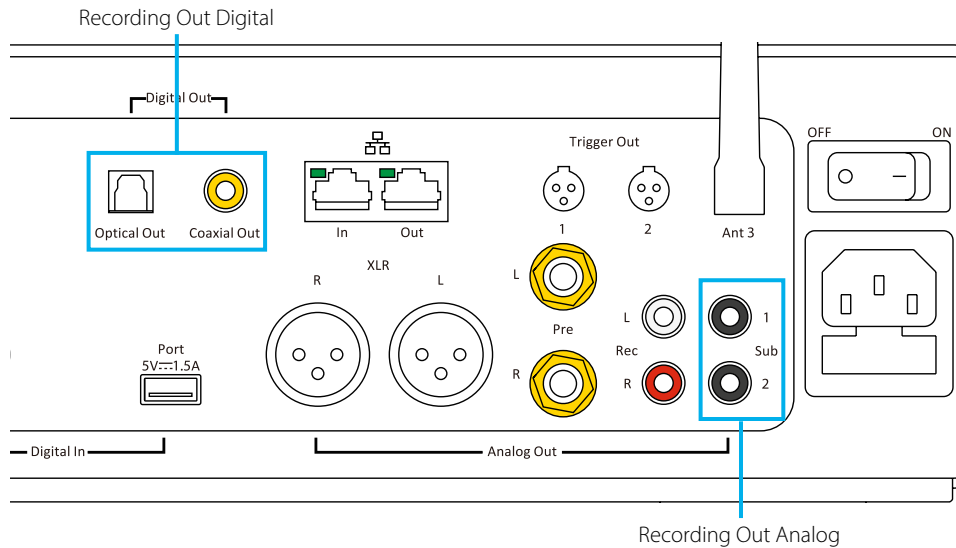
The Bluetooth Send option activates Bluetooth as a transmitter, allowing Bluetooth headphones or active speakers to be controlled by nuControl X via Bluetooth.



Recording devices

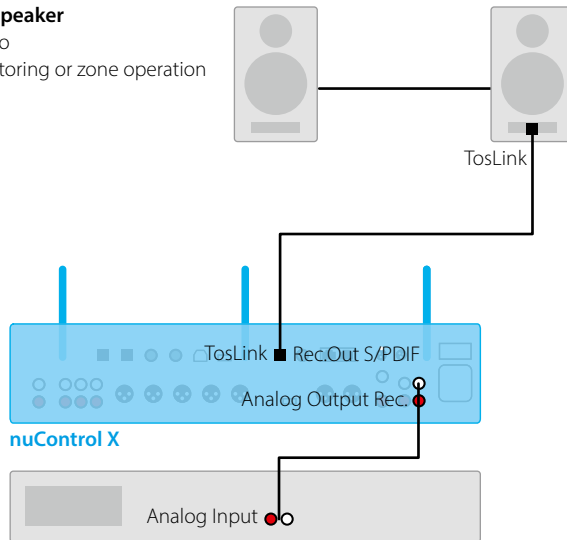
The nuControl X preamplifier also provides several recording outputs. Both analog and digital outputs are available. All recording outputs reproduce the signal of the currently selected input. This means that a recording with a classic recording device such as a tape deck is possible simultaneous with music playback.

If necessary, the signal is converted to the appropriate format – but not volume-controlled and without further modifications. We therefore recommend the use of volume-controlled active loudspeakers, for example from our nuPro series.
The preamp can also be used as a high-quality D/A or A/D converter.



Aktive Speaker

e.g. nuPro
for monitoring or zone operation

**Recorder with analog inputs**

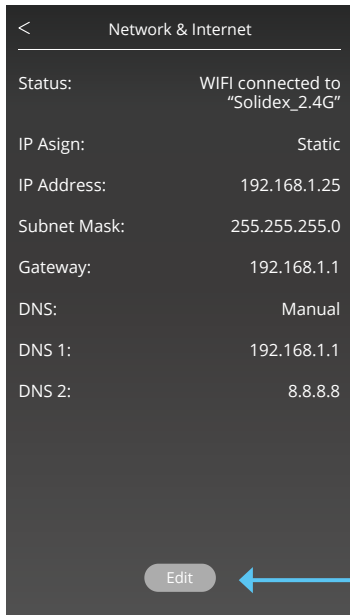
e.g. tape deck

Network

The nuControl X is fully network-compatible and supports the DLNA and UPnP standards. This means that other devices can find it in a network.

For further information on configuration in a network, see pages 4/5 of the operating manual.

Operation via network is a particularly convenient solution. The nuControl X functions as a network player and streams your music – even wirelessly if required – to speakers in another room.



Selecting the WLAN setting in the **Network & Internet** menu

Analog Inputs

Phono, line and XLR inputs

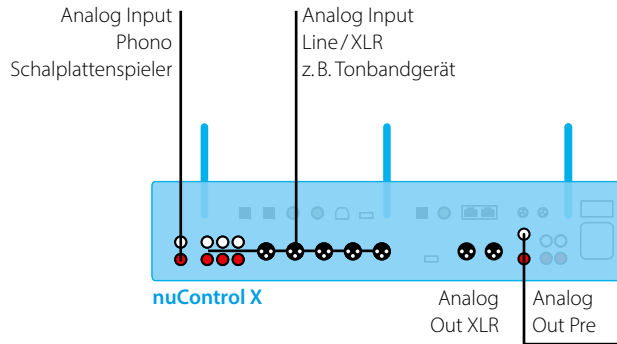
Analog and digital sources can be used simultaneously with the nuControl X. For example, it is possible to connect a CD player digitally and a record player or a tape recorder via the analog phono input. The preamplifier thus allows to combine tried and tested analog devices with the advantages of modern digital technology.

If an Internet connection is available, the desired streaming service can be selected from various providers (optional and subject to a charge).

Stereo set-up example

Even as a stereo set with two speakers, the nuControl X preamplifier can significantly enhance the listening experience. In the application example below, two passive speakers are connected to a power amplifier via the RCA connection; the nuControl X is connected to the power amplifier via an analog output.

Even in this constellation, the preamp's diverse, precisely adjustable and individually customizable configuration options show their full potential.

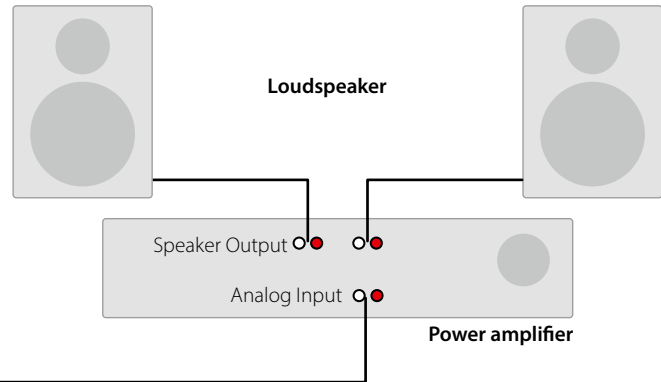


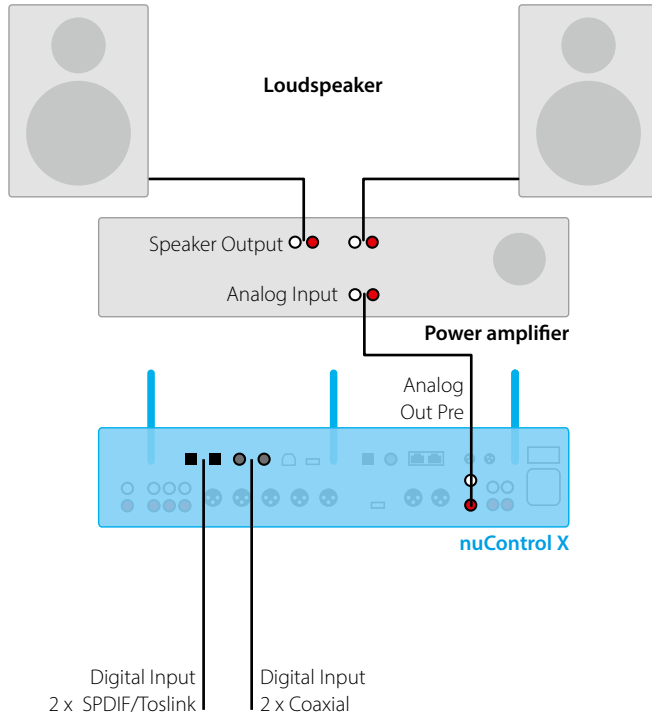
Digital Inputs

SPDIF / Toslink

Sources with an optical output can be connected here, for example, network players, televisions, and gaming consoles.

The signal is transmitted completely digitally.

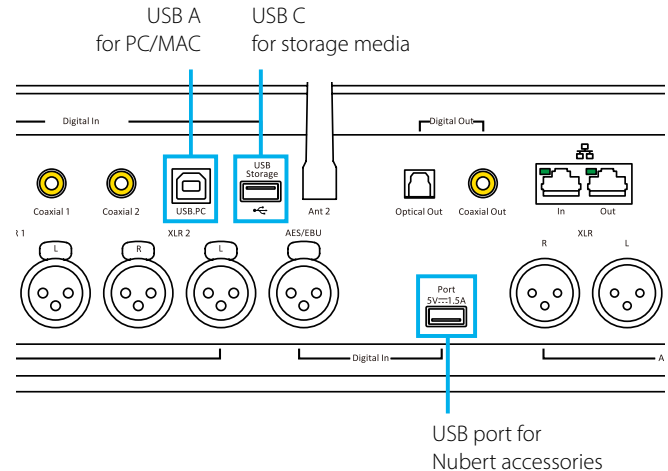




USB connections

Sound playback as a sound card on a PC

When connected to a computer via USB, the nuControl X is automatically recognized as an external sound card. Audio files from the PC can then be played through the hi-fi system. To do this, set the input to **USB** in the menu of the nuControl X.

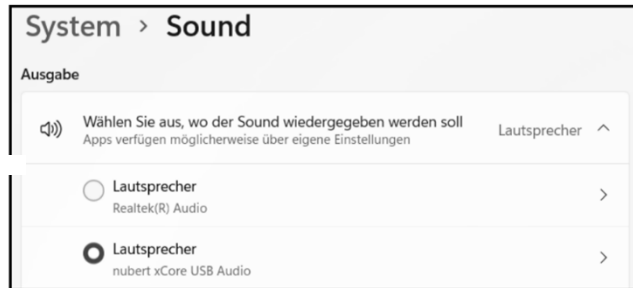


Microsoft Windows 10 / 11 as well as MacOS Sierra and higher will automatically download and install the required driver. Alternatively, the driver is also available at www.nubert.de/downloads. In the rare case this does not work:

Manual selection of the output device

Open the system settings of the operating system and navigate to **Options > Sound > Output**. The sound output device can be specified there.

Windows:



MacOS:



Manual selection of the output format in shared mode

Windows allows you to specify the output format in which audio data is sent to the USB-DAC in shared mode.

To do this, go to

> **System**

> **Sound**

> **Device properties**

> **Additional device properties**

> **„Advanced“ tab**

Select the speaker you want to adjust the settings for. The standard format can be specified in the drop-down menu.

Note: This does not affect the playback of applications that work in exclusive mode. Here, the playback format is determined directly by the application.

There is no software available to control the functions of the nuControl X directly via PC. Even when connected to a computer in this constellation, the preamplifier must be controlled via the remote control or the display.

USB ports for storage media

On the back of the device there is a USB input labeled **USB Storage**, which can be used as a local hard drive. Even without access to a streaming service provider, you can always have your favorite digital music to hand. The nuControl X recognizes music files in mp3, wav, aac, ogg, alac, wma and flac format. USB sticks with a capacity of up to 2 TB are supported as mass storage devices.

The **USB** input must be selected on the nuControl X for sound playback.

Bluetooth

The nuControl X can also stream audio via Bluetooth. This way you can for example connect your smartphone to the preamp and play music directly through your hi-fi system.

Sound playback from a mobile device

The nuControl X can both send and receive Bluetooth (for example from a smartphone). This opens a nearly unlimited range of possible applications.

For information on configuring Bluetooth, please refer to the chapter about Bluetooth on page 12 of the operating manual. Once a device has been paired via Bluetooth, it can be selected directly via the remote control using the right button in button block 12 (see page 19 of the operating manual).

Wireless connections via X-Connect

In the **sound** menu, open the zone setup to configure Wireless X-Connect and the options for the headphone connections.

X-Connect

To connect a speaker wirelessly to the nuControl X using X-Connect, first put the speaker in pairing mode (see the operating manual for the speaker).

Next, activate the option x-connect in the **zone** menu of the nuControl X. Go down to **X-Connect wireless setup** and press **pair** in the following menu. The nuControl X will now start searching for compatible speakers. If the connection is successful, the paired speaker will appear on the display.

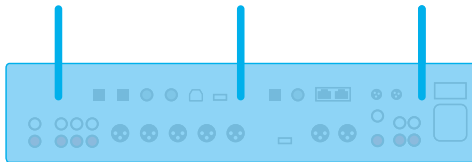
Aktive speaker
e.g. nuPro XS-4000 RC



wls master



wls slave



nuControl X

wls slave

◀ Application examples

Technical changes, errors and misprints excepted.

More information on this product is available here:

<https://www.nubert.de/downloads>

You will find our General Terms and Conditions (AGB) on our website:

www.nubert.de/agb.htm

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The logo for Nubert, featuring the word "nubert" in a bold, lowercase, sans-serif font. The letters are white with a thick black outline. A registered trademark symbol (®) is located at the top right of the letter 't'.