nuSub XW-800 slim

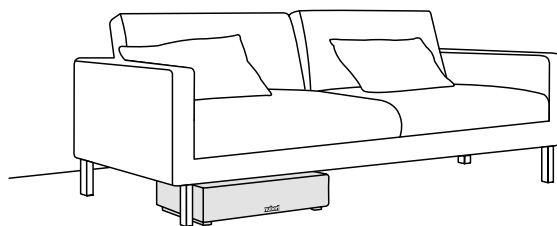## Quick Start Guide
Instruction manual

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1. Placement

First, place the subwoofer at the intended location.
With the XW-800 slim, there are the following possibilities:

Flat
The XW-800 slim was primarily developed as a downfire subwoofer for hidden use under furniture. Therefore, it is equipped with metal rails on the underside to create the necessary clearance.

⚠ **Notes:** Be careful not to damage the cables and the rubber feet on the underside of the metal rails when you slide the subwoofer over the floor.
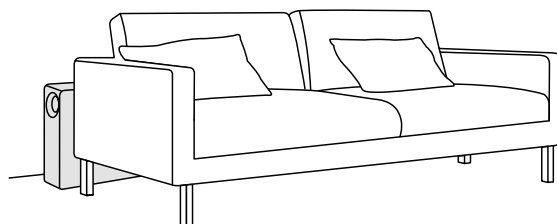

Upright
As an alternative to the setup as a downfire subwoofer, the XW-800 slim can also be placed upright. For example, it can be placed behind a sofa. The metal rails ensure sufficient distance to the wall or the back of the sofa also in this setup. The placement can be done either horizontally or vertically.

⚠ **Notes:**
• Make sure that nothing can get inside the subwoofer through the bass reflex port!
• To prevent scratching of the subwoofer and the floor, the supplied elastic buffers should be attached to the contact surface of the subwoofer towards the floor! Attach the elastic buffers to the outermost corners of the subwoofer to ensure a stable stand!

Wall mounted
The subwoofer can also be installed hanging on a wall both vertically or horizontally. No accessories are required for regular on-wall installation, as there are keyhole hangers integrated in the mounting rails.
Use screws with a diameter of 5 mm for mounting!
Mounting in landscape format: Install screws at a distance of 480 mm.
Mounting in portrait format: Install screws at a distance of 166 mm.
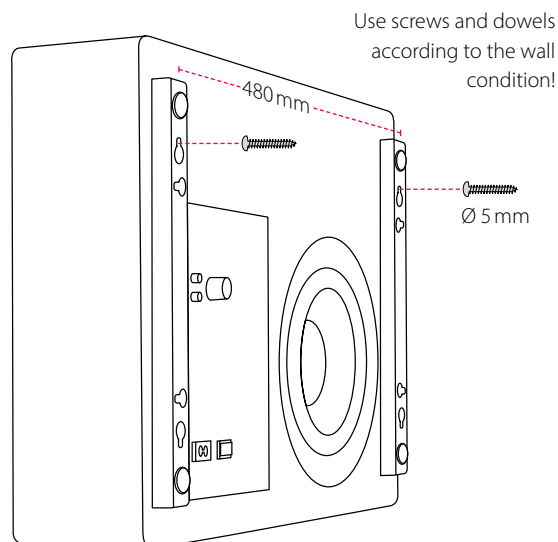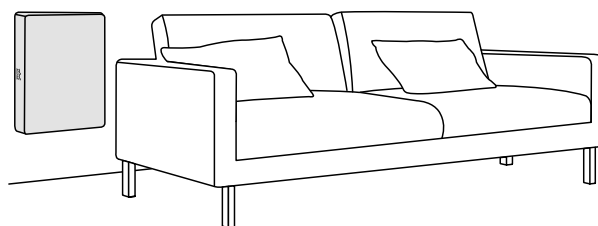
⚠ **Notes:**
• Due to the high power of the subwoofer, the wall and the mounting elements are exposed to strong vibrations and mechanical loads. Therefore, proceed with extreme care when mounting the subwoofer on a wall! The installation can only be recommended for solid, strong walls that can withstand this load. We do not recommend mounting on drywall, as it tends to absorb the vibrations.
• Make sure that nothing can get inside the subwoofer through the bass reflex port!
• Ceiling installation is not possible!

⚠ **Risk of injury or damage!**
A falling subwoofer can cause serious injuries and damage.
• Only use fasteners and screws that are suitable for your specific wall type.
• Make sure that the subwoofer is solidly mounted.
• Be careful not to install the subwoofer where it is possible for it to fall onto people! In particular, do not install the subwoofer at a height of more than two meters without further measures.

Use screws and dowels according to the wall condition!

480 mm

Ø 5 mm

2. Cable connections

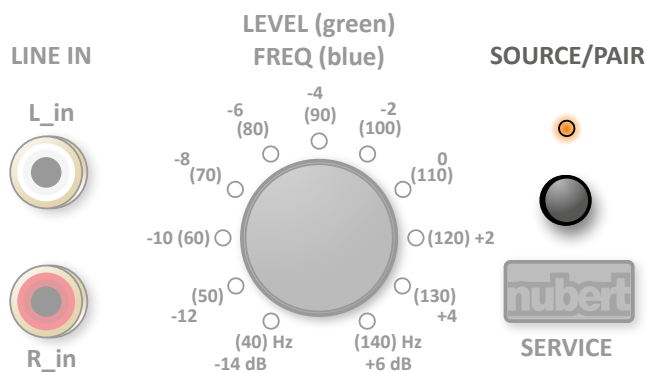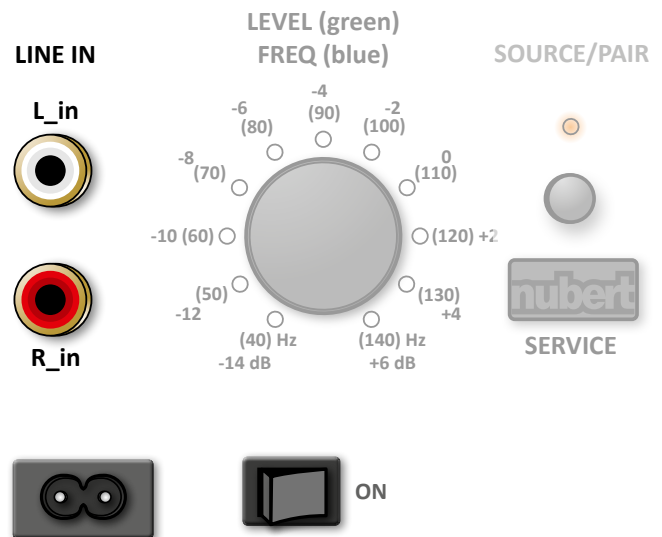**Always connect all cables before turning on the subwoofer!**

LINE-connection
If you want to use a wired connection, connect a phono cable between the source and the subwoofer.
If you want to connect the subwoofer wirelessly, you can skip this step.

Power connection
The supplied power cable is connected to the subwoofer in order to provide connection to the power grid.
Turn on the subwoofer by switching the power-switch to the **ON** position. If necessary, the subwoofer can be switched on by pressing one of the two buttons on the amplifier module.

LINE IN

L_in

R_in

LEVEL (green)
FREQ (blue)

-4 (90)
-6 (80)   -2 (100)
-8 (70)   0 (110)
-10 (60)   (120) +2
(50)   (130) +4
-12
(40) Hz   (140) Hz
-14 dB   +6 dB

SOURCE/PAIR

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SERVICE

ON

3. Wireless connection

Press and hold the **SOURCE/PAIR** button for 3 seconds to start the pairing-process.
The Subwoofer will begin searching for a compatible wireless Master (e.g. nuPro X loudspeakers or nuConnect ampX). The Subwoofer will search for two minutes; the search is indicated by the white LED flashing rapidly.

You can now start the pairing procedure on the transmitter. This is normally done by selecting **wls master** in the **setup** menu. Please refer to the user's manual of your Master-appliance.

The two devices now connect to each other. When the connection is established, the white LED will light permanently.

Note: When connected wirelessly to nuPro X loudspeakers or nuConnect ampX, the subwoofer receives an unfiltered, full-range signal and the crossover frequency must be set on the subwoofer.

LINE IN

L_in

R_in

LEVEL (green)
FREQ (blue)

-4 (90)
-6 (80)   -2 (100)
-8 (70)   0 (110)
-10 (60)   (120) +2
(50)   (130) +4
-12
(40) Hz   (140) Hz
-14 dB   +6 dB

SOURCE/PAIR

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SERVICE

4. Source Selection

Briefly pressing the **SOURCE/PAIR** button changes between the two sources

LINE IN:
• LED lights orange: factory default setting
• Standby power consumption: 0.5 Watts
• Automatic switch-off:
  If LINE IN is selected as the input, the subwoofer switches to standby mode after no more than 20 minutes without a signal. For this input, the automatic switch-off can be deactivated via app.
• Automatic switch-on:
  If the stand-by state was initiated by the automatic switch-off, the subwoofer is automatically switched on again when an audio signal is detected at the LINE IN input.
  If the stand-by mode was initiated manually by pressing the on/off button in the app, the automatic switch-on function is deactivated.

WIRELESS IN:
• LED lights white: Connection established
• LED flashes slowly: No connection to Master
• LED flashes rapidly: Pairing mode active
• Standby power consumption: < 2 Watts
• Automatic stand-by:
  IF WIRELESS IN is selected as the input, the subwoofer will directly follow the wireless transmitter which acts as the master.
  This function cannot be deactivated.

5. Settings

You can set the crossover frequency and relative level of the subwoofer with the rotary encoder on the backside of the subwoofer. Settings are made and saved for each source.

Push

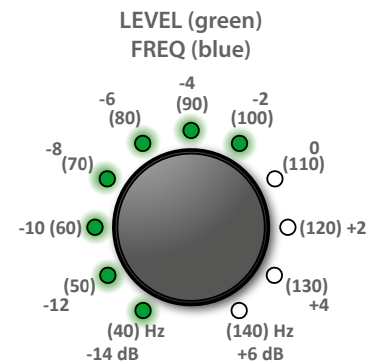Press the encoder briefly to toggle between **LEVEL** and **FREQ**:
- **LEVEL**   The LED lights green
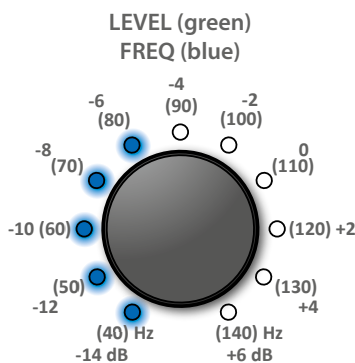- **FREQ**   The LED lights blue

Turn

By turning the encoder, you adjust the selected parameter:
- **LEVEL**   -15 dB to +6 dB, 1 dB steps
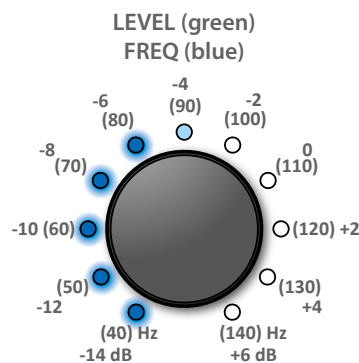- **FREQ**   35 to 140 Hz, 5 Hz steps

The set value is shown by the LED ring. The last LED has two different brightness levels that allow the precise read-out of the set value. If the last LED lights with full brightness, the set value is the exact value of the markings next to the encoder. If the LED lights with reduced brightness, the set value is the lower intermediate value not shown by the markings.
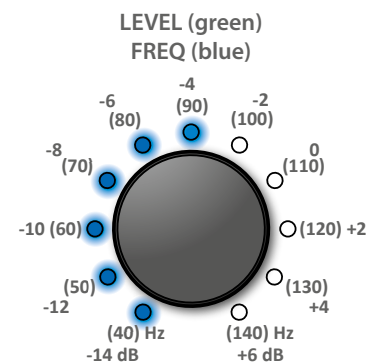
LEVEL (green)
FREQ (blue)

LEVEL example:
relative volume -2 dB

LEVEL (green)
FREQ (blue)

FREQ example:
crossover frequency 80 Hz

LEVEL (green)
FREQ (blue)

FREQ example:
crossover frequency 85 Hz

LEVEL (green)
FREQ (blue)

FREQ example:
crossover frequency 90 Hz

6. Application Examples

Example 1: Wirelessly connecting a nuSub XW-800 slim to a pair of nuPro X-3000 loudspeakers

When connected wirelessly, the subwoofer receives an unfiltered, full-range signal and the crossover frequency must be set on the subwoofer.
- **System HP** in the loudspeaker-menu sets the High-pass crossover frequency of the loudspeaker, e.g. 80 Hz.
- **FREQ** setting on the subwoofer: sets the low-pass crossover frequency for the subwoofer, e.g. 80 Hz.
- **LEVEL** setting on the subwoofer: sets the relative level of the subwoofer, e.g. 0 dB.

Example 2: Wired connection between a nuSub XW-800 slim and an AV-receiver (LINE IN)

The crossover frequency and relative level settings can be set on the AV-receiver or automatically by the room-calibration of the AV-receiver. On the subwoofer itself, the crossover should be set to the maximum value. The relative level (LEVEL) on the other hand, should be set as low as possible. This causes the AV-receiver to provide a strong signal, which will allow the auto on-/off function to work reliably.

If both X-Room Calibration and the receiver's calibration system are to be used, it is recommended to run the X-Room Calibration first.
- **FREQ** setting on the subwoofer: sets the low-pass crossover frequency for the subwoofer, e.g. 140 Hz.
- **LEVEL** setting on the subwoofer: sets the relative level of the subwoofer, e.g. -6 dB.
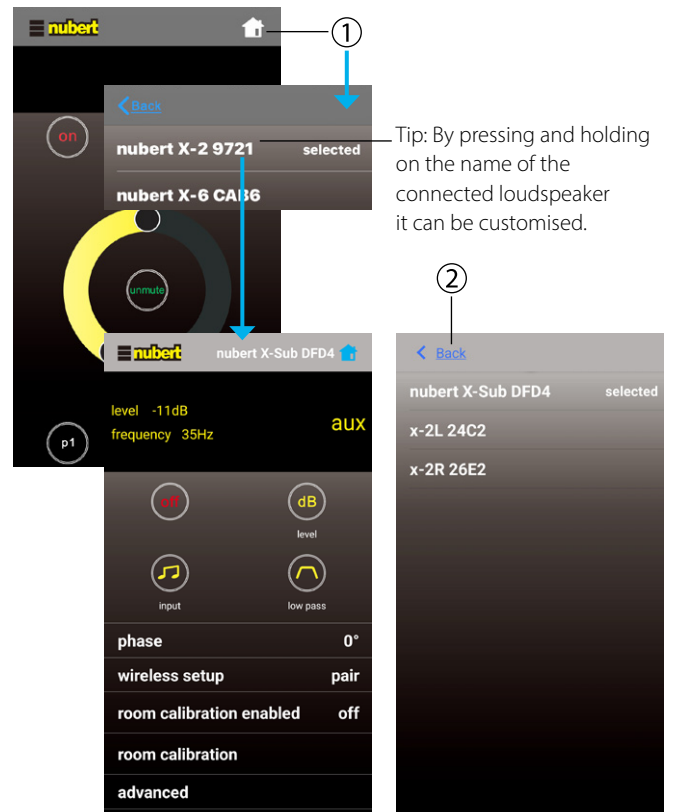
7. Using the Nubert X-Remote App

You can also use the Nubert X-Remote App to set up and adjust the subwoofer. The app is available for free at the Google Play Store or at the Apple App Store. The app offers more settings and a graphical user interface and is recommended for everyone that would like to make detailed adjustments and have access to more parameters than available on the subwoofer itself.

Connecting the X-Remote App with the subwoofer

Download the app from the Google Play Store or the Apple App Store and install it. On Android devices, you must allow the app to access the device's location.

The app communicates with the subwoofer via Bluetooth LE. Use the app to connect to the subwoofer! Do not connect to the subwoofer using the settings of your device!

① If no device has been connected to the X-Remote app yet, the available devices are displayed directly after starting X-Remote. Alternatively, you can also access the device-selection-screen by tapping the **Devices** icon (at the bottom center of the home screen). Tap on the subwoofer, to connect it to the app. The connection is confirmed in the app by displaying the device background in yellow. If necessary, you will be prompted to enter a password. In the factory setting the password is 0000.

② Tapping the **home** icon at the bottom left takes you to the home screen. This screen provides direct access to the basic functions, such as input selection.

③ Tapping the **Speaker settings** tile takes you to the menu for more advanced settings of the subwoofer. For example, you can configure the behaviour of the status LED here.

Tip: By pressing and holding on the name of the connected loudspeaker it can be customised.

8. Factory Reset

To reset the subwoofer to the factory settings, it must first be switched off at the power switch on the back of the unit.
Wait 10 seconds and switch it on again.
Within 7 seconds after switching it on, both buttons on the back of the device (SOURCE/PAIR and the rotary encoder) must be pressed and held for 3 seconds.
The subwoofer confirms the input by flashing the SOURCE/PAIR LED. All settings are now restored to the default state.