

1. Introduction

Thank you for buying this quality product. Please read this manual carefully, especially the safety and security information.

Please check that you have the correct manual for your product. To do this, please compare the product code number shown above with the product code number displayed on your product.



2. Contents Check List

- SOUNDSYSTEM 420 with Häfele adapter cables
- Manual
- 2 cable protectors (each marked at the plug)

3. Safety & security

Important information

In addition to this guidance please comply with your own country-specific safety & security regulations.

3.1. How to use this guide:

Read these instructions carefully before use and use this product only in accordance with the instructions listed here.

3.2. Signs & symbols used



This sign warns of the danger of injury and property damage.



This sign warns of injury arising from electricity.



This sign warns of injury and/or explosion.



This symbol refers to additional information.

3.3. Signal words and their meaning

Danger: Potential severe physical damage and acute danger.

Warning: Potential electrical shock physical damage and severe property damage.

Caution: Potential fire hazard, physical damage or property damage as a result thereof.

Attention: Advisory notes only.



Warning

The electrical supply must be disconnected before working on the device.

Improper handling may void warranty.

4. Product Scope

The SOUNDSYSTEM 420 is a Bluetooth receiver with integrated stereo amplifier for hidden installation.

5. Intended use

Indoors, to store in false ceilings or furniture.



6. Improper use

The device is not suitable for outdoor operation.

The ambient air temperature should not exceed 30 ° C.



Attention

With the use of **electronic transformers** (lighting) and SOUNDSYSTEM 420, the following points have been observed to avoid potential problems:

- Cables between transformer and lamp < 2m thereby to keep electro-magnetic scattering / interference low.
- Power line cables to be kept at a distance of 5-10 cm from speaker cables, IR-cable and antenna cable (AC coupling).
- RF cables to be kept at a great distance from any metal surfaces (reduction of capacitive coupling).
- When the RF cable to the transformer is > 2m twist the single wires.
- Power line cable and RF cable not too close to the SOUNDSYSTEM 420.
- Power line cables are not to be crossed or to run at right angles.

7. Specifications SOUNDSYSTEM 420

Power Supply	12 V DC
Speaker OUT	2 x 10 W
Speaker Impedance	Je 4 ohms
Amplifier / Power OUT	20 Watt
Bluetooth Standards	Bluetooth CSR 2.1
Bluetooth Profile	A2DP
Maximale Entfernung zwischen Sender und Empfänger	10 m
Dimensions (H/W/D)	45 x 28 x 140 mm
Weight	0.165 kg
Operating Temperature	0 °C ... +30 °C

8. Preparatory work before installation

Unpack the unit carefully and keep the original packaging (for future return under warranty if required).
Read the instructions carefully before installation.

9. Mounting and installation

- Install the necessary cables (12V, speaker cable) to the SOUNDSYSTEM 420 in accordance with installation guidelines, and your desired port scenario.
- If the device is also to be inserted through the cross-section, please check that it fits.

Attention:

Obstruct the device only in locations that ensure sufficient temperature dissipation. Not e.g. in wool, because the device can drop out at high temperature.

9.1. Connections



The SOUNDSYSTEM 420 is applicable for Häfele cabling system.

Note

Speaker connection: green
Power connection: yellow

Accessory: Loox Power Supply / 12 V DC

9.2. Connecting power supply and speakers

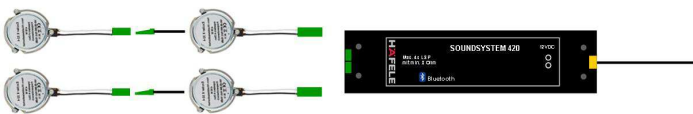
Connect the cables to the appropriate components (power supply / speaker).

Up to 4 Exciters/speakers are possible.

Please plug in the speakers symmetrically at channel R and L.

Attention:

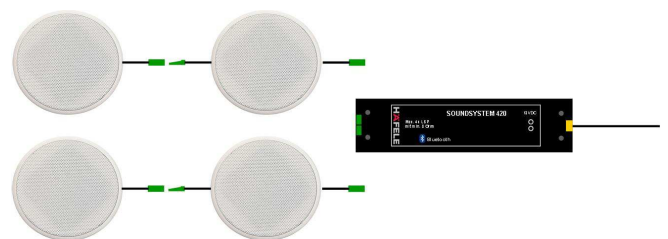
Remove the cable protector(s) only when more than 2 Exciters/speakers are needed!



Exciter
822.65.002



BuiltIn Speaker 68
833.02.822



BuiltIn Speaker 140
833.02.823

Note:

The power supply is not part of the SOUNDSYSTEM 420. It must be ordered separately.

Recommendation: Loox Power Supply / 12 V DC

Suitable Loudspeakers



Art.Nr.: 833.02.822

Loudspeaker 70,5x70,5x38mm
Fitting for installation in flush-mounting
boxes ø 68 mm,
B x T x H: 70,5 x 26 x 70,5 mm
Material: plastic

Specifications

Load Rating / Music Power	3 / 4 watt
Impedance	4 ohms
SPL	1W/1m: 78 dB
Frequency Range (-3dB)	140-21.000 Hz
Installation Depth	26 mm



Art.Nr.: 833.02.823

Fitting for installation in furniture,
ø x depth: 140 x 48 mm
(Dimensions: ø 120 x 48 mm)
Material: plastic / metal

Specifications

Load Rating / Music Power	6 / 8 watt
Impedance	8 ohms
SPL	1W/1m: 86 dB
Frequency Range (-3dB)	170-16.000 Hz
Installation Depth	48 mm



Art.Nr.: 822.65.001

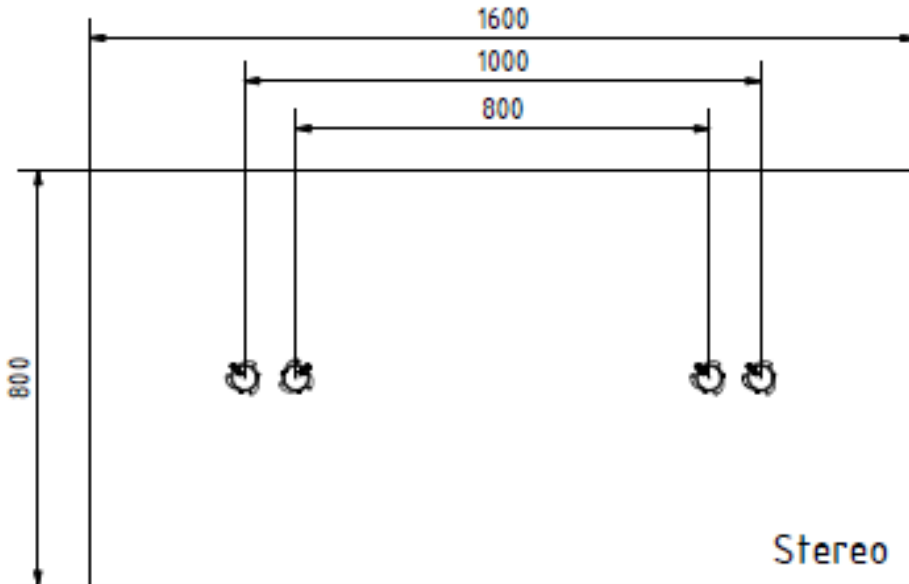
Exciter, fitting for installation in furniture
(pasting/screwing)
ø x depth: 70 x 26 mm
Material: plastic / metal

Specifications

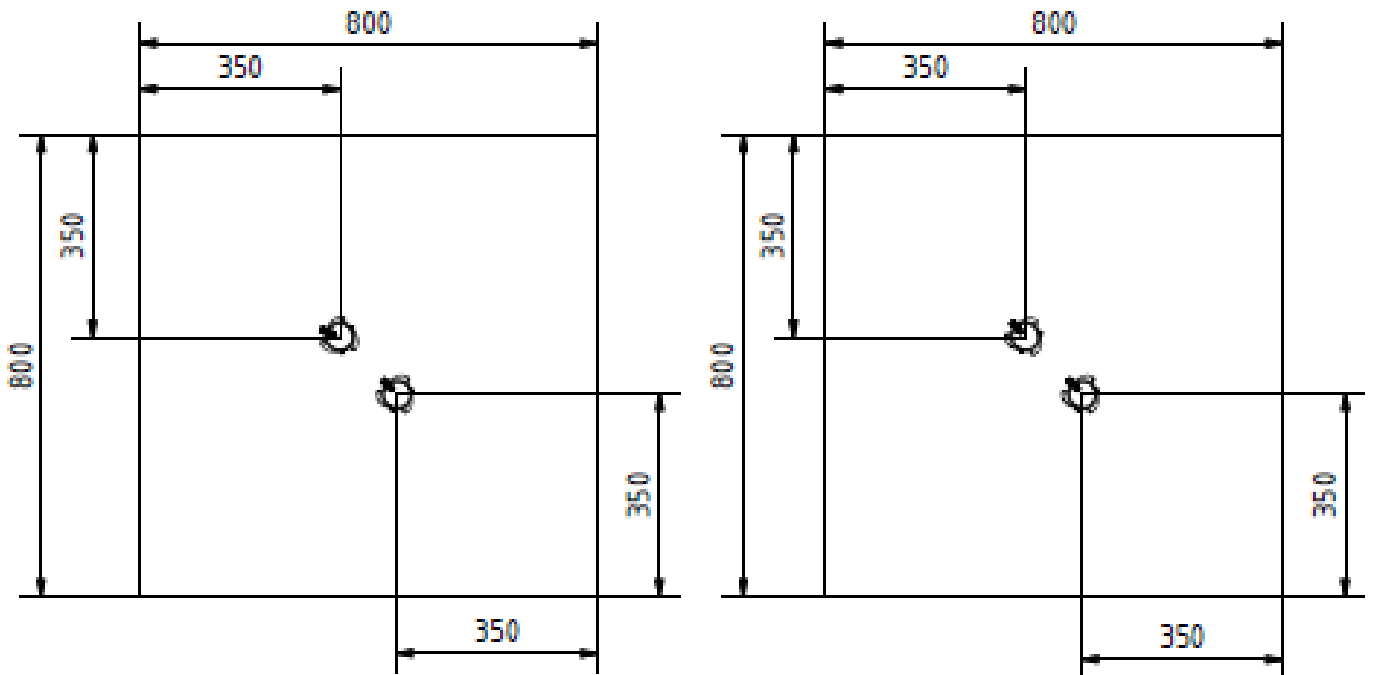
Load Rating / Music Power	4 / 15 watt
Impedance	8 ohms
SPL	depending on material
Frequency Range (-3dB)	depending on material
Installation Depth	26 mm

9.3. Notes on mounting the exciters

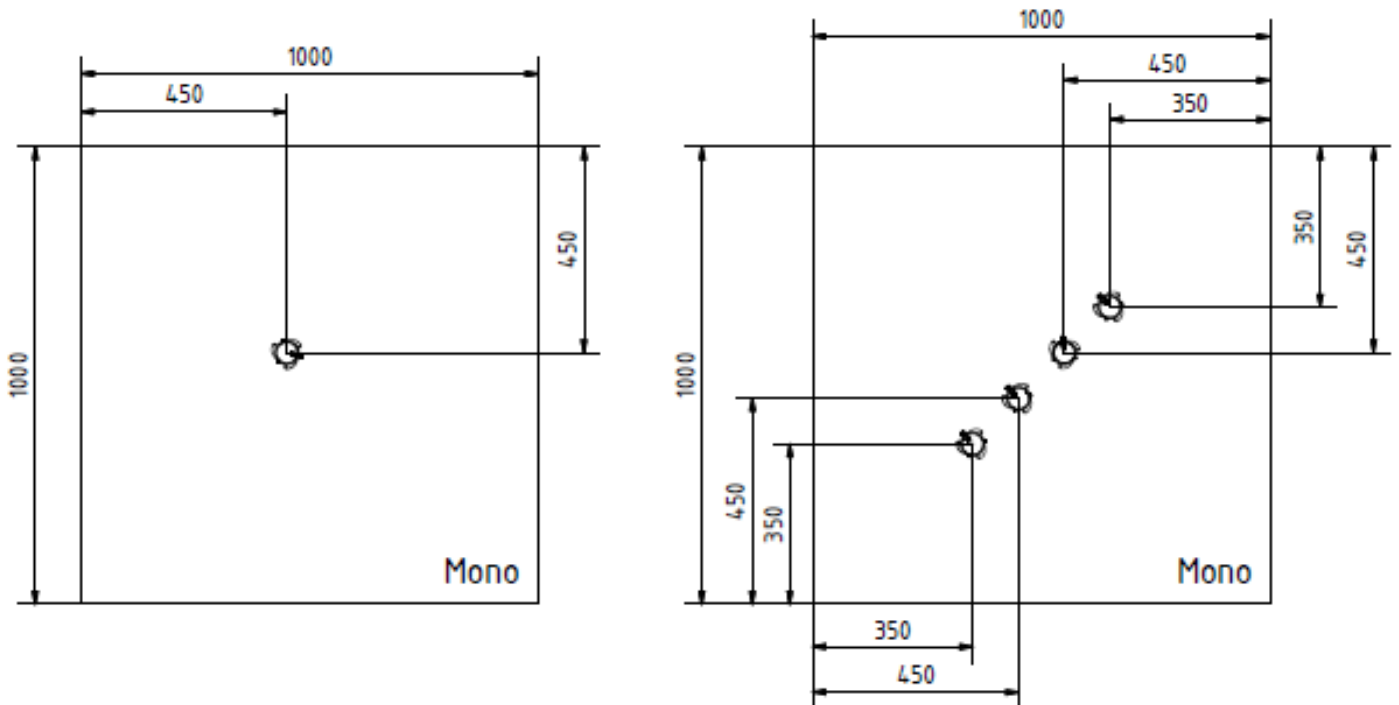
Stereo



Stereo



Mono



Suitable materials for Exciter use:

Material	Thickness	Suitable	NOT suitable
Chipboard	10...20 mm	X	
Ceramic Hob		X	
Granite Slab			X
Acrylic Bathtub		X	
Mirror		X	
Glass	3...6 mm	X	
Furniture (e.g. Sideboard)		X	
MDF		X	
Wood panel		X	
Laminated wood panel		X	
Plywood		X	
Acrylic glass	3 mm	X	
Mineral-based panel		X	
Concrete Floor			X
Walls / Stone Walls			X
Sheet Metal Cabinet			X

10. Operation

When power supply is connected, the SOUNDSYSTEM 420 is ready for operation (Pairing-Mode).



Notes:

- The SOUNDSYSTEM 420 remains in the Pairing Mode for max. 1 minute and then if there is no external Bluetooth device connected automatically switches to the Stand-By Mode
- The SOUNDSYSTEM 420 can handle and save a **maximum of 8 separate Pairings** to Bluetooth-enabled devices. When adding a new device the first Pairing will be overwritten.

Proceed with PAIRING according to your Bluetooth enabled device.

Making sure that your device meets the required Bluetooth specification. The pairing process is very different from device to device.

Note: Please, read the manual of your Bluetooth-enabled device carefully.



Note the following advice for Pairing

Make sure that your Bluetooth device enables A2DP specifications according to IEEE 802.15.1. The Pairing itself may be different concerning manufacturer or device.

Read the user manual of your Bluetooth-enabled device carefully!

Pairing in general:

1. There must be line of sight connection when the Pairing is performed. Make sure that there is a maximum distance of not more than 1m between the SOUNDSYSTEM 420 and your Bluetooth-enabled device.
2. Activate the Bluetooth Mode of your mobile device and start the SEARCH function for other Bluetooth equipment. The SOUNDSYSTEM 420 will show as „**SOUNDSYSTEM 420**“. Select and continue.
3. If there is a password needed please enter „0000“.

After the first Pairing with an external device the SOUNDSYSTEM 420 identifies the mobile device and no future Pairing is necessary.

Automated Pairing:

If the Bluetooth connection is shut down by the mobile device the SOUNDSYSTEM 420 starts another pairing procedure for 3 minutes.

Point-to-Point (PtP) Connection:

You must not connect another mobile device with Bluetooth to the SOUNDSYSTEM 420 whilst the first device is active. For playing music with another device just disconnect the Bluetooth function on your first device (switch off Bluetooth mode).

Separation is possible only within reach

If the SOUNDSYSTEM 420 and the mobile device can not be separated because they are out of range, then bring everything back to separate them within reach

Password

If the Bluetooth version of your device complies with V2.1 or higher, then no password entry is required.

10.1. Operation

Start the music with your Bluetooth-enabled mobile device with "Play".

! Depending on Hardware/Software of your Bluetooth-enabled mobile device.

The volume and track selection is also performed in operation on the Bluetooth-enabled mobile device.

Note:

If you have lost contact with the SOUNDSYSTEM 420 longer than 20 minutes (outside the radio range), the connection must be re-established. The pairing is maintained.

To prevent battery discharge of your device, turn off the Bluetooth function when it is not needed.

11. Troubleshooting

Why does my mobile phone loose its connection to the SOUNDSYSTEM 420 when I was out of the room?

- You were possibly more than 5 minutes out of the Bluetooth transmission range. Your mobile phone needs to be connected again manually.
- Maybe another Bluetooth-enabled device is still connected with the SOUNDSYSTEM 420. Disconnect it and connect to your device again.

There is no sound/music on one channel?

Check if the cable protector was removed. Plug it in again.

How much mobile devices can be handled by the SOUNDSYSTEM 420?

Up to 8 different pairings with different devices (9th IN/ 1st OUT).

12. Disposal



We are members of the INTERSEROH association.



We participate in the dual system as well as other industry-specific solutions. Therefore, plastic, metal and electronic parts can all be recycled.

13. Declaration of Conformity



This product supports all CE-marking criteria.
The declaration of conformity certificate can be obtained from Häfele.

14. Name and address of the manufacturer

CONTACT

Häfele GmbH & Co KG

Adolf-Häfele-Str. 1

72202 Nagold

Tel: +49 (0)74 52 / 95 - 0

Fax: +49 (0)74 52 / 95 - 2 00

E-Mail: info@haefele.de