

Invisible sound systems

2. PRODUCT DEVELOPMENT

Looking to equip your products with an invisible sound system and make it sound amazing? We're here to help!

We'll show you just how simple it is: from the initial suitability test to the delivery of a new and innovative product line

Contents

Step 1: Testing	3
Step 2: Installation	5
Step 3: Optimization	7
We've thought of everything	. 11
Contact	. 13



Testing the sound potential of your product is really simple

Just use the Soundwaver to find out which products and surfaces sound good.



The Soundwaver is a battery-powered Bluetooth receiver with a sound pressure transducer. It transforms any hard surface such as wood, glass or metal into a speaker which you can use to listen to your music in stunning sound quality. Various devices such as computers, laptops, tablets or smartphones can be connected via a 3.5 mm audio connector or via Bluetooth V2.0. The Soundwaver can be recharged via a USB port, for example on a computer.

Surface	Suitable?
Wood	Yes
Glass / Window	Yes
Acrylic bathtub	Yes
Mirror	Yes
Aluminum	Yes
Thin metal cabinet	No
Brickwork	No
Granite worktop	No

- 1. Connect a smartphone or music source to the Soundwaver via Bluetooth
- 2. Play music
- 3. Hold the Soundwaver against various surfaces

Summary:

- More rigid surfaces work better in the high-frequency range
- Lighter surfaces generate more volume
- Larger surfaces have more potential for bass







"The Soundwaver is the ideal gadget for testing. It is simple, fun and provides new insights or even product ideas during testing in a quick and hands-on way."

Stefan Huber, Managing Director of WHD



Easy to install

Finished testing with the Soundwaver? Time for the next step!

If the results of the test with the Soundwaver are positive, you'll need to use the installation kit next. You can order the installation kit from us.

How do I know where to mount the installation kit?

We've developed the product to be as flat as possible so that it can be optimally integrated and hidden in a multitude of products. We have developed a calculation tool for mounting the installation kit (positioning). This can be used to simply find out where the two exciters should be mounted in order to achieve the best possible sound results.

The installation kit is integrated - what happens next?

In principle, you now already have a finished, great-sounding product. But we like to go one step further.





We've prepared a little something

So that you can benefit from our expertise, even if you mount the installation kit yourself, you can either rely on your own hearing, or you can consult our positioning tool for support. This draws on the experience of more than 100,000 projects in which we have created sound with the help of the



installation kit. Simply go to the website, enter your product dimensions, and you'll be able to find out the ideal location for mounting your exciters.





Fitting by WHD

If you want our acousticians to set up your product with the installation kit, please feel free to contact us. For a one-off set-up fee of €980 plus VAT, you can send us your product and we will be happy to set it up.

Write to us: info@whd.de



CASE STUDY



www.stylegreen.de

Fine-tuning with the configuration app



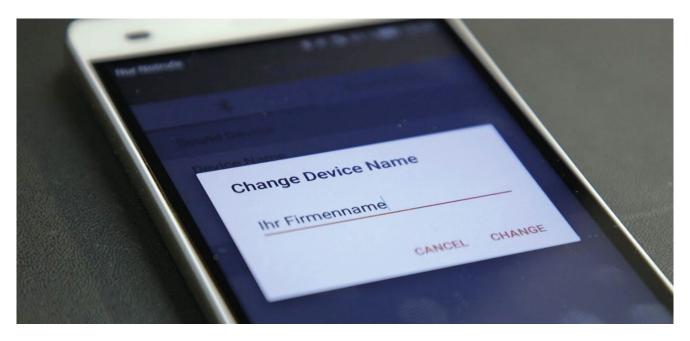
Once you've ordered the installation kit, we'll provide you with a configuration app, which you can use to further optimize the already excellent sound results your system achieved in the first step.

What's more, you can assign your own device name. Something users see everytime they connect with your product. You can use this space for a product name, brand name or personal branding.





STEP 3: OPTIMIZATION



Your own branding:

Give your product a name and increase the interaction with your brand









http://bit.ly/btr-konfig

Download the configuration app directly from the Google Play Store.









"Anyone can perform the installation in no time. Simply plug in the receiver, mount the exciters using the attached double-sided adhesive tape, pair a music source with the receiver via Bluetooth, then simply enjoy the music. No tools required!"

Stefan Huber, Managing Director of WHD



CASE STUDY





Frequently asked questions:

I heard something about a knocking test... what is that?

A knock test is performed in order to check which materials are suitable. If there is virtually no noise when you knock (such as on stone), or if the sound reverberates a lot (such as on a metal cabinet), our invisible sound systems are probably not the right choice for your product.

Do I have to use the configuration app?

No, it is not essential. However, the name of our Bluetooth receiver is set as WHD BTR 405 by default. We therefore recommend that you at least change this setting so that your own branding or company name appears here. What's more, you can simply play around with the sound settings to achieve even better sound results.

I achieved good results with the Soundwaver, but the product does not sound as good after installation.

Use the advice of our positioning tool to find out the optimal position for the two exciters

What if I still need help?

Please do not hesitate to contact us at any time. We have large measurement facilities and audio experts who have managed to bring sound to even the most complicated products and optimized conventional ones. Feel free to send us your product, and we will set everything up and return the product to you equipped with our technology. If you want WHD's acoustics team to get the best possible sound from your product, the one-off fee is usually €980 plus VAT. Please contact us about this first, so we can get the ball rolling for you.



We're all ears...
... we look forward to hearing your ideas!











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