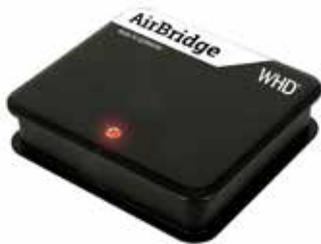


## 1. Introduction

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

- AirBridge
- Power Supply
- 3,5mm Stereo Jack
- Cinch Cable
- Toslink Cable
- Manual



## 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.



Improper handling may void warranty.

#### 4. Product Scope

WLAN Multiroom audio solution, to connect external amplifier and/or active loudspeaker.

#### 5. Intended use

Indoors, connecting to WLAN IEEE 802.11n.



#### 6. Improper use

The device is not suitable for outdoor operation.

The ambient air temperature should not exceed 30 ° C.

#### 7. Specifications AirBridge

Power Supply	5 VDC
Opt. Output Level	-17 dBm
WLAN	IEEE 802.11b/g/n up to 150 Mbps
Extention	up to 30m* (* ... a wireless radio frequency site survey is recommended in harsh environments such as with WiFi Analyzer, NetStress, EkaHau HeatMapper, ... etc.)
Protocols	Airplay, UPnP, DLNA
Audio Formates	MP3, AAC, Vorbis/OGG, MIDI, PCM/WAV, WMA, AC3, FLAC/APE, ALAC
Audio Output	Audio Data: 16- and 24-bit Sampling Frequency: 8kHz to 192kHz
S/N	> 110 dB
Connections	DC 5V power supply 3,5mm stereo jack / analogue optical S/PDIF (TOS Link) / digital
Dimensions (H/W/D)	22×84×76 mm
Weight	180g
Operating Temperature	+5°C ... +30°C

#### 8. Preparatory work before installation

##### Verification of the WLAN infrastructure

Check your WLAN using an analyzing tool for WLANs, whether you have enough bandwidth available. If necessary, install additional wireless access points to ensure optimum radio field distribution.

**! Please note the country-specific safety guidelines for use and operation of WLANs.**

## 9. Installation

### 9.1. General

Put the AirBridge in a convenient location and connect the cables according to your deployment scenarios.

### 9.2. Connections



- 1 ... LED / Status
- 2 ... Mini-USB plug for power supply
- 3 ... Optical TOSLINK (S/PDIF) OUT(digital)
- 4 ... 3,5 mm stereo jack (analog)
- 5 ... Reset Button

**Note:**

The reset button you can press, for example, with the end of a paper clip. To activate it, hold down the button pressed longer than 5 seconds.

## 10. Operating Getting started

After connecting the power supply, the device is ready for operation. The LED lights up red.

There are three operating modes:

1. Direct Play
2. WLAN
3. Multi Play

These are indicated by the LED status.

LED	Status
RED, lightened	WLAN connectable / Direct Play
BLUE, lightened	WLAN connected, ready for data transmission
RED, blinking	Not connectable (possibly restart or perform RESET)
BLUE, blinking	Starts operation (about 3 sec.) or. Firmware Update (about 2 minutes)

### 10.1. Direct Play

Direct-play is the direct wireless transmission from a music player to an AirBridge.

1. Enter WLAN menu at your smartphone, tablet or PC and seek for available wireless networks
2. Select "**WHD AirBridge**". Your smartphone, tablet or PC connects to the AirBridge.

Now you can send music from your smartphone, tablet or PC, directly to the AirBridge.

**Note:**

Some playback devices and players also have a WiFi-Direct connection without pre-connecting.

**10.2. WLAN Integration**

Take hereinafter also the **WHD Multiroom Audio Player App**.

1.



Go with your Smartphone, tablet or PC in the WLAN menu and let it seek for available wireless networks.

2.



Then choose „**WHD Air-Bridge**“. Your Smartphone, Tablet or PC connects to the AirBridge.

3. Open the **WHD Multiroom Audio Player App**, which you can download via App Store or Google Play Store for free.

4.



Select in the **WHD Multiroom Audio Player App** the „**Assistent**“ and follow the user prompts.

**Note:**

A Brief Introduction of the **WHD Multiroom Audio Player App** is available as a separate document.

**Note:**

Should the AirBridge after some time flashing red, disconnect it briefly from power supply for a short time and then connect power again. Then the device restarts with the network settings. During this time it will flash blue again and it may take a few minutes as described above.

Is the AirBridge flashing steady red or blue for too long, probably the access key is entered incorrectly, and therefore may be no network connectivity. The system tries repeatedly using the wrong data log onto the network. To overcome this, press the reset button to set the device back to factory settings (see Reset) and repeat the connection process.

With a successful integration, you will find the AirBridge as a playback device constantly on your Smartphone Audio player application (for Apple iOS devices: in AirPlay selection).

At every restart now the AirBridge will automatically connect to your wireless network.

### 10.3. Multi Play

Multi Play is defined as the simultaneous playback of a music player on several AirBridges. Using the WHD App, you can, for example, play music in several rooms simultaneously.

**Note:**

But this is only possible if:

- the network connection with AirBridge(s) is established.
- the Audio Player and (all) AirBridge(s) are in the same network.
- the Audio Player supports Multi Play. iTunes does this but only with certain PC or MAC versions.
- the network offers the necessary bandwidth for Multi Play (at least 150 Mbit/s; 802.11n).

Default players for Smartphones and tablets currently **do no** support Multi Play feature. For Apple and Android devices, the **WHD Multiroom Audio Player App** is available.

For continued flawless audio transmission you should always use a wireless router from 802.11n and latest Smartphones / tablets.

### Recommended Equipment / Software

iOS devices: iOS 7 or higher is recommended (iPad 2 or later, iPhone 4S or later and iPod Touch 5 or higher).

Android devices: Android 4.1 is a prerequisite

## 12. General Information

### Android Streaming

Use the **WHD Multiroom Audio Player App**.

## 13. Troubleshooting

### **No connection to WLAN / LED blinking constantly blue or red**

Disconnect power supply for about 5 sec. and connect power again. Then the device restarts with the network settings.

### **LED blinking constantly red**

Reset the AirBridge.

### **No working solution found (Reset)**

Press the RESET button for > 6 sec. with the end of a paper clip. The AirBridge configuration is now on factory settings. Repeat the process.

### **Music breaks through overbooking WLANs**

Should the existing network not have sufficient bandwidth, or should the number of devices in the network (such as printers, PCs, laptops, tablets and smartphones) is too high, you can quickly use a second router or repeater (802.11n) to increase your network bandwidth or separate your "Music" network from the existing network.

## 13.1. Q&As

### **How to use the AirBridge with Windows 7/8?**

Connect the AirBridge with the App in your WLAN. You can then set up the AirBridge in two steps under Windows:

1. In the Control Panel, AirBridge must be added as a device under "Devices and Printers".
2. In Windows Media Player under "Stream", "More streaming options", the AirBridge set to permit (check the "approved" set).

Playback can now be started simply by right-clicking and selecting "Play to".

### **Why does the AirBridge have no on/off switch?**

Since the AirBridge should always stand out as receiver available, so it is always connected to the WLAN. But there is nothing to prevent "pull the plug" when it is not needed. If she gets power again, it reconnects automatically to known Wi-Fi network.

### **Can the AirBridge be connected into an existing wireless network with a fixed IP, for example, 192.168.2.xxx?**

Yes, you can assign a fixed IP. That should be done in the router. In the AirBridge configuration not IPs can be determined.

### **Does the AirBridge also work with an Apple MacBook?**

#### **If so, is there an additional App?**

The music streaming via AirPlay and iTunes works also on a MacBook. The involvement of the AirBridge wireless is only possible with the WHD iOS App or Android App.

### **Can I operate the AirBridge "5V port" also with a PC PSU?**

The AirBridge can be operated (rather than the included power supply) from another trouble-free source of 5 volts and a **minimum of 650 mAh**.

**Can the analog output jack and the digital TOSLINK output of AirBridge be connected in parallel?**  
Yes, that is also parallel and synchronous.

**Are phone calls transferred to the AirBridge?**

Our tested smartphones "stream" a call not wireless, but interrupting the stream. This makes sense, because otherwise there would be problems because of the microphone.

**I would like to operate several AirBridges synchronously. Is this possible?**

You can also address multiple AirBridges sync with the WHD App or iTunes from your PC/Mac (multiroom).

**Multiroom:**

**I would like to play on in three rooms with three AirBridges, three different HiFi systems. All are in the same wireless network. Is it possible to play music via an Android smartphone (streaming music from the smartphone) in all three rooms simultaneously. If so, are the signals synchronized? As to say, Multi-Room application with a single audio source.**

**Does this work also or alternatively only with iOS products?**

It works out with our iOS / Android App and iTunes from your PC / Mac.

#### 14. Disposal



WHD 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.

#### 15. Declaration of Conformity



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

#### 16. Name and address of the manufacturer CONTACT

WHD - Wilhelm Huber+Söhne GmbH+Co.KG  
Bismarckstr. 19  
D-78652 Deißlingen  
Fon +49 (0) 74 20 / 8 89-0  
Fax +49 (0) 74 20 / 8 89-51  
E-Mail: [info@whd.de](mailto:info@whd.de)  
Homepage: [www.whd.de](http://www.whd.de)

#### 17. Dovoz do ČR, distribuce a prodej

AUDIO DIGITAL s.r.o.  
Podnikatelská 565  
19011 Praha 9  
tel.: 224 267 163  
e-mail: [info@audiodigital.cz](mailto:info@audiodigital.cz)  
[www.audiodigital.cz](http://www.audiodigital.cz)

## **17. Product Registration & Warranty Extension**

Fill out the form below [www.whd.de/Produktregistrierung](http://www.whd.de/Produktregistrierung) to register your new WHD product and get an extended warranty for an additional year.

Note that you can perform only registered Products Software Updates and registration for our Hotline/Support is imperative.