

## Useful hints:

With all wireless systems from time to time you may experience some interference. If you notice interference you can first try using a different transmission channel.

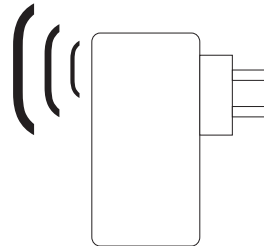
If you have a Wi-Fi system and you believe it is interfering with your Bard system, we recommend that you first switch off your Wi-Fi system when installing your Bard wireless system. Once you are satisfied with the reception, keep it running and switch your Wi-Fi system back on. This is because the Bard uses fixed channel system while Wi-Fi uses "channel-hopping" technology which means the Wi-Fi system will automatically retune to a different channel if it finds itself clashing with the Bard system. If your neighbours have a Wi-Fi system, in most cases their system will also retune to a different channel, if not, please try a different channel on your Bard system.

NB: During retune you may hear a few clicks from your system as the Wi-Fi tries to establish a new channel.

### Maximise your transmission efficiency:

Radio waves cannot go through metal objects and are heavily impeded by water. Due to the cabling at the rear of the unit, the system is most efficient when the Transmitter and Receiver are facing each other. It is recommended that you position the transmitter as high as possible to avoid possible signal reflection or absorption from your surroundings i.e. avoiding metallic objects or water (plants and living organisms).

### Most efficient zone is towards the front.



## Features:

High end digital power amplifier by Sonneteer.

No-Compression digital high end wireless digital audio.

Up to 8 zones of stereo CD quality sound.

Suitable for multi-room installations.

Extremely small dimension for "virtually invisible" installations.

Transmit Range 20-40 metres (L.O.S.).

Multiple receivers capable (Multi-cast reception).

Universal 100-250V a.c. power supply.

Operating Frequency of ISM band 2.4-2.4835GHz.

Avoids reception errors by employing forward error correction.

Omni directional Embedded antenna.

### Bardthree technical specifications:

Supply voltage	100-250V a.c 50/60Hz
Amplifier output	25W per channel
Operating temperature	-10 C ~ +60 C
Frequency band	2400 ~ 2483.5 Mhz
Modulation	FSK, Mod. Index = 0.5
Channel spacing	7 MHz (Min.)
Channel number	8, (Max.)
Channel frequency	2410, 2417, 2424, ~ 2459 MHz
Frequency stability	+/- 100KHz
RX Sensitivity	-83 dBm, BER < 1E-6
Frequency response	20 ~ 20 K Hz, -1 dB
Dynamic range	80 dB (Typ.)
Separation	80 dB (Typ.)
SN ratio	90 dB (Typ.)
THD	0.1 % (Typ.)

### Others:

Selectable UK, US, Euro plug head.  
Optional DIP Switch channel selection.

*Sonneteer reserves the right to change specifications without prior notice.*

For more information contact:

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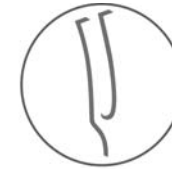
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# Bardaudio

Made in the UK by Sonneteer.



# Bardthree

wireless digital audio

## +USB

SONNETEER

# Bardthree

Wireless high end quality Digital audio.

Welcome to the next generation of high end home audio! The Bardthree is the result of Sonneteer's 3 years of research and development in high end wireless audio and we hope you will enjoy this product as much as we have developing it!

## Controls and Indicators:

On the front of the unit you will find the following:

### 1. Channel Selection Button

Use to select one of the 8 available transmission channels used by the Bard system (e.g. You can use several transmitters and use this button to select between those channels).

### 2. Channel Number Indicator

Indicates the selected channel number.

### 3. Volume Control

Can be used to control the volume locally.

### 4. Fault Indicator

When lit indicates a fault situation: Speaker short circuit, over temperature or signal overload.

### 5. Single Indicator

Indicates the presence of a Bard channel when lit.

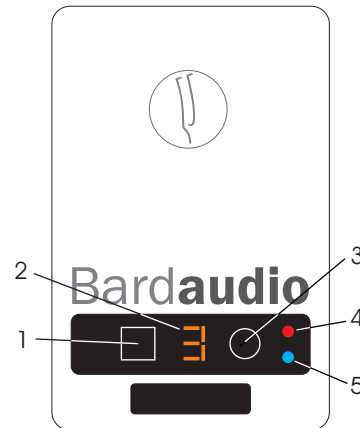
It may be small but it's feature packed!

Although measuring a mere 120x65x65mm the Bardthree delivers up to 25W of power per channel into 4 Ohms.

The Bardthree will work from 100V to 250V a.c, that means you can take it anywhere with you!

The Bardthree is fully protected from short circuit, over temperature, and signal overload. When this happens the unit will enter safe mode and safely remains there until the fault has been rectified.

The Bardthree will go to sleep! When no Bard signal is present the unit will enter low power stand-by mode.



## Connections:

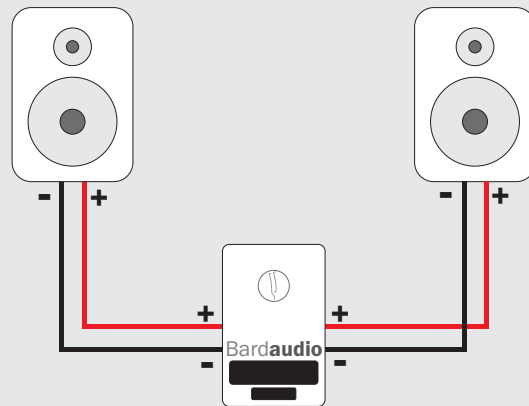
The Bardthree is very simple to hook up - the only connections provided are for your speakers!

Looking from the front of the unit the connections on the left side of the Bardthree are for your Left Channel speaker and the set of connections on the right side are for your Right Channel Speaker.

Both sets of connectors are colour coordinated where RED is for "+" and Black is for "-" and you must match the polarities to your speakers.

## Note:

We recommend that you connect all your audio cables prior to plugging the Bardthree unit into your mains socket.



## Setting up the Bardthree:

Apart from selecting the receiving channel and setting the unit volume, the Bardthree does not need setting up at all, its just plug and go!

## BardUSB set up:

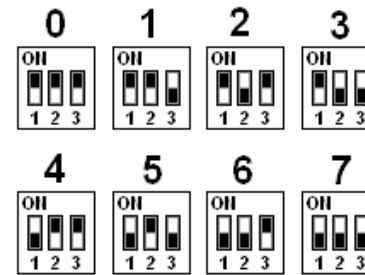
If you have purchased the Bardthree + USB bundle, please refer to the instructions below:

1. Insert the BardUSB device into the USB port of your computer.
2. If you are using Windows ME/2000/or XP, auto installation will begin. During this time your computer will inform you of the installation process and upon completion you will receive a confirmation and the BLUE light on the BardUSB device will go from dim to bright.

If you are using Mac OS, you will have to go to System Preferences and in the DOCK or Apple icon on the top left you will find the menu where you will be able to select USB audio (you will only have to do this once).

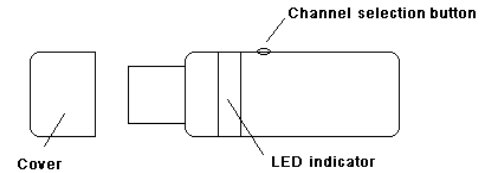
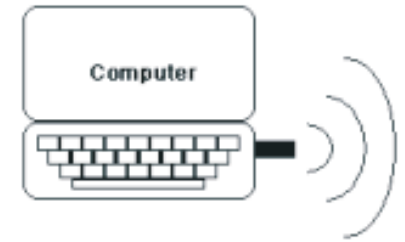
3. Now open a music player on your computer and first set the volume to low. Press play to play a music file or CD and the transmitter's BLUE light will FLASH when transmission begins. Adjust the volume control to the desired level. (Remember to check the volume control on the Bardthree too!).

If you have purchased the Bardthree with DIP switch option you will need to set the receiving channel by referring the table below:



(switches shown in down position)

## Bard USB transmitter



Changing channel on your BardUSB device:

If for any reason you need to change the transmission channel on the BardUSB device, press the small button located on the side of the device (This button is deliberately recessed to avoid accidental usage). You will need to do this while the device is plugged into the computer (the channel set will be stored in memory).

A new channel will be selected on each button pressed. You will need to make sure to set the receive channel on your Bardthree again until the BLUE signal indicator lights.

## We aim to please!

Although we believe we have created one of the most simple wireless audio system on the market, please do not hesitate to contact us directly if you require any additional information on any of our products.

You can contact us via e-mail to: [bard@sonneteer.co.uk](mailto:bard@sonneteer.co.uk)  
You can find more information on the complete Bard audio system on our website: [www.sonneteer.co.uk/bard](http://www.sonneteer.co.uk/bard)

All products are under continuous development and specifications are subject to change without prior notification.