Zeppelin Mini

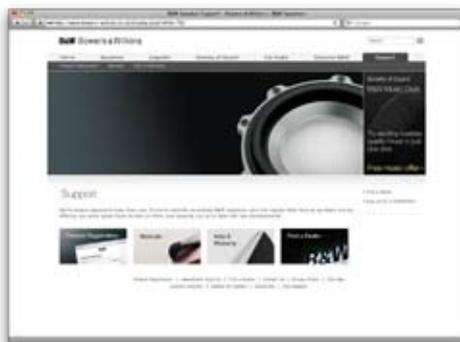**Welcome and thank you for choosing Bowers & Wilkins.**

When John Bowers first established our company he did so in the belief that imaginative design, innovative engineering and advanced technology were keys that could unlock the enjoyment of audio in the home. His belief is one that we continue to share and it inspires every product we design.

Zeppelin Mini is more than just an iPod and iPhone dock and speaker system. As well as listening to audio stored on your iPod or iPhone you can use it to:

- Connect and listen to an external audio source.
- Play audio stored or streamed on your computer via USB.
- Sync your iPod or iPhone to iTunes via USB.
- Rotate the docked iPod or iPhone 90° to display album covers using Cover Flow or watch video in landscape format.*
  On appropriately equipped iPod and iPhone models.

This manual will tell you everything you need to know to get the most from your Zeppelin Mini. It begins by describing the contents of the Zeppelin Mini carton.

www.bowers-wilkins.com

1. Zeppelin Mini Carton Contents.

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- Zeppelin Mini
- iPod and iPhone cradles
- Remote Control Handset
- Power Supply
- Power Cable
- Document pack containing a Quick Start Guide, warranty information and statutory safety warnings.
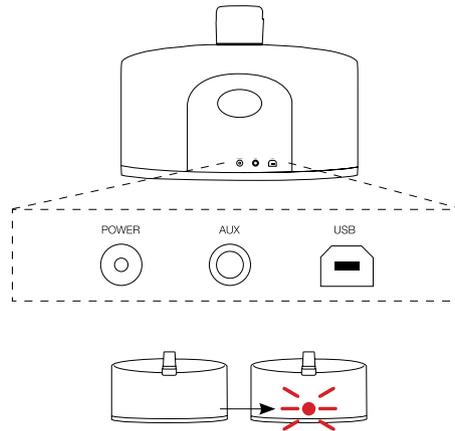
Note: A USB cable is required if you wish to connect your Zeppelin Mini to a PC/Mac. For reliable operation the cable should not exceed 3m (10 ft) in length. The Zeppelin Mini should also be connected directly to the PC/Mac USB port and not via any intermediate USB hardware.

Environmental Information

All Bowers & Wilkins products are designed to comply with international directives on the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment and the disposal of Waste Electrical and Electronic Equipment (WEEE). These symbols indicate compliance and that the products must be appropriately recycled or processed in accordance with these directives. Consult your local waste disposal authority for guidance.

2. Connecting To Your Zeppelin Mini

Zeppelin Mini connection sockets are found on a panel located on the back of the unit. The diagram above illustrates the Zeppelin Mini connection panel.

Power Supply

Connect the Zeppelin Mini Power Supply to a mains outlet socket using the supplied mains cable. Now connect the Power Supply output cable to the Zeppelin Mini power input socket. When first connected to mains power the Zeppelin Mini will automatically enter standby mode with its indicator illuminating red.
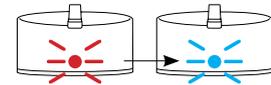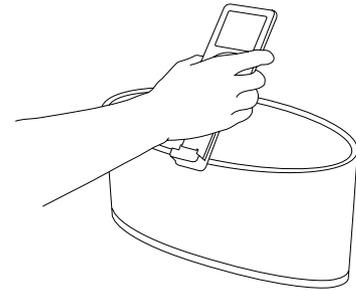
Note: Section 4 describes all the Zeppelin Mini indicator colours and their meanings.

USB Input

If you wish to listen to audio either stored or streamed on your PC/Mac using the Zeppelin Mini **USB** input, connect it using a USB cable from a spare PC/Mac USB socket. The Zeppelin Mini USB input also enables data held on your PC/Mac to be synchronised with the data held on your iPod or iPhone. See the Section 5 for more information.

Aux Input

If you wish to listen to an external analogue audio source, TV audio or your PC/Mac analogue audio output for example, connect it to the Zeppelin Mini **aux in** socket using a cable terminated with a 3.5mm mini-jack plug.

iPod and iPhone Model Compatibility and Docking

Zeppelin Mini is compatible with the iPod and iPhone models illustrated below.

With the majority of iPod models, docking to the Zeppelin Mini is achieved simply by engaging the iPod with the dock connector as illustrated above.

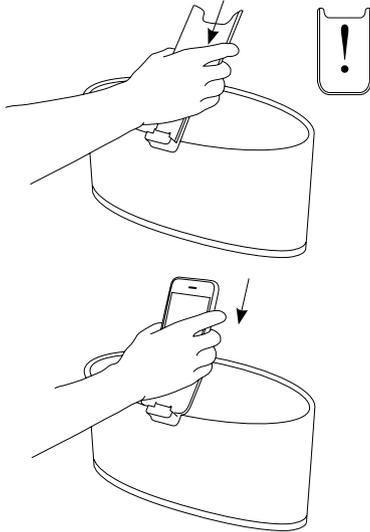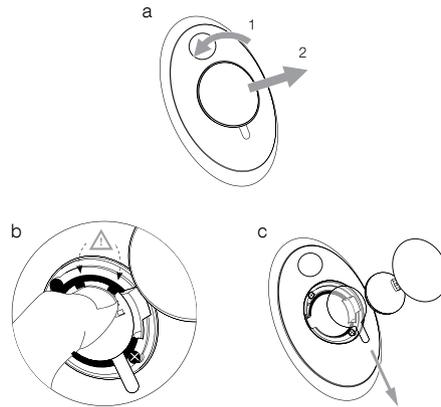| iPod classic	iPod nano 5th generation (video camera)	iPod nano 4th generation (video)	iPod nano 3rd generation (video)
iPod nano 2nd generation (aluminum)	iPod touch 1st generation	iPod touch 2nd generation	iPhone
iPhone 3G	iPhone 3GS		

3. Using Zeppelin Mini

However, Zeppelin Mini incorporates a rotating dock that allows iPod or iPhone models able to be used in landscape mode to be rotated 90° in either direction. This means that CoverFlow album artwork display or landscape video can be used. iPod and iPhone models that can display in landscape format must be docked with the Zeppelin Mini using one of the cradles supplied if they are to be rotated.
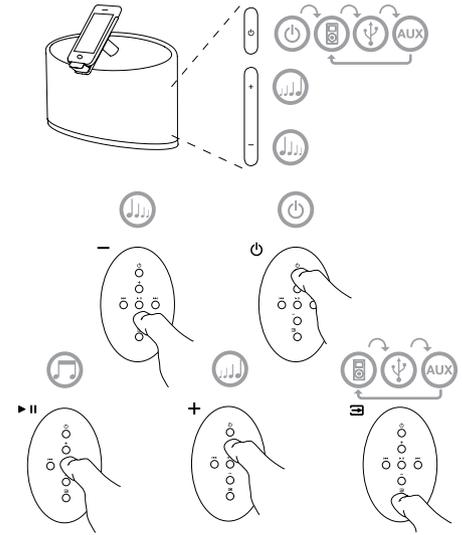
Warning! Not using a cradle when rotating a docked iPod or iPhone may result in damage to the iPod or iPhone.

The correct cradle for your iPod or iPhone can be identified from the model number engraved on the cradle. To use a cradle slide it on to the Zeppelin Mini dock arm as illustrated above.

Note: For the latest information on cradles for iPod and iPhone models visit www.bowers-wilkins.com/zeppelinmini

Zeppelin Mini can be operated either from the controls on its right hand side or from its remote control handset. If the remote handset is to be used, its battery insulating tab must first be removed. This is illustrated above.

Zeppelin Mini can be switched on from standby (indicator: red) by the following actions:

• Pressing the right hand side standby button, see illustration top.
• Pressing and holding the handset standby key.
• Docking an iPod or iPhone.

When Zeppelin Mini is switched on from standby the last input used will be selected and the indicator will change to blue, green or orange.

Note: The table in section 4 describes all the Zeppelin Mini indictor colours and their meanings.

4. Zeppelin Mini Indicator Lights

Indicator Colour	Meaning	Input Selected
Red	Standby	N/A
Yellow	iPod/iPhone Synchronisation mode	N/A
Blue	On	Dock
Fast flashing Blue	Volume adjustment	Dock
Green	On	USB
Fast flashing Green	Volume adjustment	USB
Orange	On	Aux
Fast flashing Orange	Volume adjustment	Aux
Fast flashing Red	Volume at minimum or maximum	Any
Continually flashing Red	System fault	N/A
White	Firmware update underway	N/A

With the Zeppelin Mini switched on from standby you can:

• If an iPod or iPhone is docked, use the handset **play/pause** key or the controls on the iPod or iPhone to play or pause audio.

• If an iPod or iPhone is docked, use the handset **next** and **previous** keys or the controls on the iPod or iPhone to select the next or previous track.

• Use the handset **volume** keys or the Zeppelin Mini right hand side **volume** buttons to control volume.

• Listen to audio via the Zeppelin Mini Aux Input.

• Listen to stored or streamed audio on your computer via USB.

• Use the handset **input** key or right hand side **standby** button to select the Zeppelin Mini USB, Dock and Aux inputs sequentially. See the following section for more on using the Zeppelin Mini USB input.

Note: There is a short delay when Zeppelin Mini inputs are switched. This is a consequence of the need to re-establish either USB or iPod communication.

Note: ZeppelinMIni inputs are only available for selection when input cables are connected.

• Press and hold the handset **standby** key or press and hold the right hand side **standby** button to return Zeppelin Mini to standby.

The Zeppelin Mini indicator illuminates in a range of colours to indicate different operational conditions. The table above describes the colours and their meanings.

The USB input enables you to connect your Zeppelin Mini to a PC/Mac in order to play stored or streamed audio, or to synchronise data held on your PC/Mac with your iPod or iPhone.

Playing Audio via USB
When Zeppelin Mini is connected to a PC/Mac via USB and its USB input is selected, the computer will identify Zeppelin Mini as an output only audio device. Specifying Zeppelin Mini in the PC/Mac audio control panel will allow it to play audio data either stored locally on the computer or streamed via a network or the internet. The Zeppelin Mini indicator will illuminate green when the USB input is selected.

Note: Section 4 describes all the Zeppelin Mini indicator colours and their meanings.

Depending on the PC/Mac audio application in use, the handset may be used to control playback, skip tracks and adjust volume.

Data Synchronisation via USB
When Zeppelin Mini is connected to a PC/Mac via USB it can be used as an iTunes synchronisation dock to synchronise data stored on the computer with data stored on the iPod or iPhone.

To function as a synchronisation dock, the Zeppelin Mini must first be switched into standby by pressing the right hand side **standby** button or the handset **standby** key. Once in standby, pressing and holding the right hand side **standby** button for two seconds switches the Zeppelin Mini into synchronisation mode (entry into synchronisation mode is not possible from the remote handset). In synchronisation mode, a docked iPod or iPhone will be linked directly to the PC/Mac via USB so that iTunes can be used to manage data synchronisation. The Zeppelin Mini indicator will illuminate yellow in synchronisation mode.

Note: If no iPhone or iPod is docked or no PC/Mac is connected, Zeppelin Mini will not enter synchronisation mode.

When synchronisation is complete, synchronisation mode can be cancelled either by un-docking the iPod or iPhone or pressing and holding the Zeppelin Mini right hand side **standby** button for two seconds. It is good practice however always to "eject" iPod and iPhone models from iTunes before physically disconnecting the USB connection. The Zeppelin mini will return to standby mode when synchronisation mode is cancelled.

Note: Canceling synchronisation mode by any means while synchronisation is underway may result in data loss.

Updated Zeppelin Mini firmware may from time to time be made available for download from the Zeppelin Mini support section of the Bowers & Wilkins web site. With the firmware file downloaded to your PC/Mac, update your Zeppelin Mini by following the steps below:

• Un-dock any docked iPod or iPhone and disconnect Zeppelin Mini from its power supply.
• If it is not already connected, connect the Zeppelin Mini to the PC/Mac via USB.
• While holding down the Zeppelin Mini power switch, connect the Zeppelin Mini power cable. The indicator will illuminate white to confirm that the Zeppelin Mini is in firmware update mode and connected to a PC/Mac.
• Launch the firmware updater on the PC/Mac and follow the dialogue box instructions.

Note: On computers running Mac OS X, launching the Zeppelin Mini firmware updater will install a Zeppelin Mini Programmer application in the OS X Applications folder. Launching the application by double-clicking on its icon in the Applications folder will begin the firmware update process.

Note: On computers running Microsoft Windows (XP, Vista or 7), launching the Zeppelin Mini firmware updater will install a Zeppelin Mini desktop icon. Double-click on the icon to begin the update process. If the process has not been run before, a dialogue box will request that the location of the USB Driver also installed by the updater is specified (the default location is: C:\Program Files\Bowers & Wilkins\Zeppelin MiniProgrammer). Once the location of the USB driver has been specified, the firmware update process will continue.

Once the firmware update is complete, the Zeppelin Mini indicator will illuminate red and the unit will return to normal operation.

Note: Updated Zeppelin Mini firmware may incorporate new features. Download the most recent owners manual for the latest information.

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