

Bowers & Wilkins



**AVAILABLE AT
DIGITAL CINEMA**

A5

Firmware version 4.8.52

Operation may differ from other firmware versions

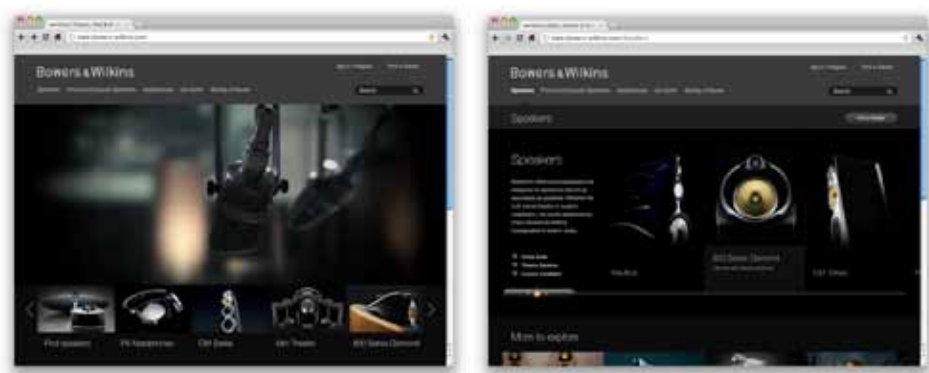
Welcome to Bowers & Wilkins and A5

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.

A5 can be used to:

- Play audio directly from iTunes® via either a cable or wireless network connection.
- Connect and listen to an external audio source such as a TV or a portable music player.

This manual will tell you everything you need to know to get the most from your A5. It begins by describing the contents of A5 carton.



1. A5 Carton Contents

1. A5
2. Power supply
3. Remote control
4. Document pack containing a Quick Start Guide, warranty information and statutory safety warnings.

Environmental Information

This product complies with international directives, including but not limited to the **R**estriction of **H**azardous **S**ubstances (RoHS) in electrical and electronic equipment, the **R**egistration, **E**valuation, **A**uthorisation and restriction of **C**hemicals (REACH) and the disposal of **W**aste **E**lectrical and **E**lectronic **E**quipment (WEEE). Consult your local waste disposal authority for guidance on how properly to recycle or dispose of this product.

2. Connecting to your A5

You can connect to your A5 by:

- Using AirPlay® to stream wirelessly from iTunes.
- Using AirPlay® to stream wirelessly from an iPod touch®, iPhone® or iPad®.
- Using the Auxiliary input.

Diagram 1 illustrates A5's rear panel connection sockets.

AirPlay Connection

A5 is able to play audio from iTunes either wirelessly or via a wired (Ethernet) connection using AirPlay streaming technology. When connected to the same network as a computer running iTunes, A5 can appear as an output option in the pop-up menu at the bottom of the iTunes window. See Section 5 for information on configuring A5 to join your home network and on configuring iTunes to play through A5.

Note: Please ensure you have installed the latest version of iTunes.

Note: A standard Ethernet cable is required if you wish to connect your A5 to an Ethernet network.

As well as streaming audio from iTunes, AirPlay also makes it possible to stream audio directly to A5 from an iPod, iPhone or iPad. Any iPod, iPhone or iPad application that incorporates a volume control will have an additional icon that enables selection of available remote speakers for playback. Any wireless device within wireless range will be included in the selection list.

Note: AirPlay works with iPhone, iPod touch and iPad with iOS 4.3.3 or later, Mac with OS X Mountain Lion, or Mac and PC with iTunes 10.2.2 or later.

Auxiliary Input (AUX)

If you wish to listen to an external analogue source, connect it to A5 AUX input socket using an analogue cable terminated with a mini-jack plug.

Mains Input (POWER)

Connect A5 to a mains outlet socket using the power supply. When first connected to mains power A5 will automatically power up with its indicator pulsing red.

Note: The table in Section 4 describes all A5 indicator colours and their meanings.

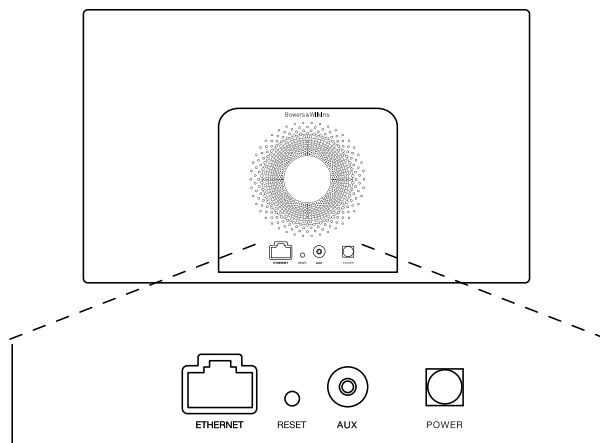



Diagram 1
A5 back panel

3. Using A5



A5 can be operated either from the controls on its body, illustrated in Diagram 2, or from the remote control. If the remote control is to be used, the battery insulating tab must first be removed. This is illustrated in Diagram 3. Diagram 4 illustrates the remote control key functions.

3.1 Switching On and Off

In addition to normal operating mode, A5 has both Standby and Sleep modes. In Standby mode, all A5 functions are switched off and the power consumption minimised. In Sleep mode, the A5 wireless function remains connected to the network. The A5 indicator illuminates dim red in Sleep mode and will turn off in Standby mode.

A5 can only be switched on from Standby mode by pressing the A5 Standby button .

A5 can be switched on from Sleep mode by the following actions:

- Pressing the A5 Standby button .
- Pressing remote control Standby key .
- Streaming music to A5 by Airplay.
- Play music through the AUX input.

When A5 is switched on from Standby or Sleep, the last input used will be selected if it is still connected. If the last input used is no longer connected, A5 will automatically scan its inputs AUX, AirPlay, and select the first connected one it finds. The A5 indicator will change to the colour that designates the selected input. If no connected input is found, A5 will select the AirPlay input by default.

Note: If the AirPlay input has not been set up the indicator will flash Yellow.

Note: The table in Section 4 describes all the A5 indicator colours and their meanings.

To switch A5 into Sleep mode, either press the remote control Standby key or press and hold the A5 Standby button for 2 seconds. The A5 indicator will illuminate dim red.

To switch A5 into Standby mode, press and hold the A5 Standby button for 4 seconds. The A5 indicator will turn off.

Note: It is not possible to switch A5 into Standby mode from the remote control.

Note: The A5 will automatically enter Sleep mode if left inactive for more than 30 minutes.

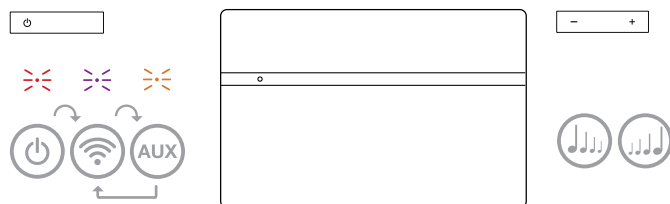


Diagram 2
A5 controls explained

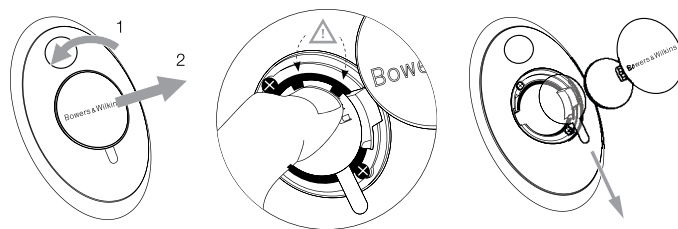


Diagram 3
A5 insulating tab removal

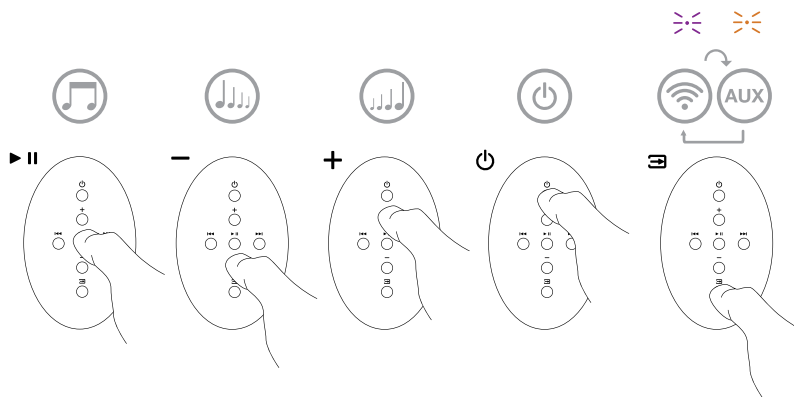


Diagram 4
A5 remote control explained

3.2 A5 Functions

Diagram 5 illustrates A5's connectivity.

With A5 switched on from Standby or Sleep:

- You can connect to a wired or wireless network and listen to your iTunes audio via AirPlay.
- You can listen to other analogue audio sources via the Auxiliary input.
- You can use the remote control Volume keys or A5's Volume buttons to control volume.
- If A5 is connected to iTunes via AirPlay, you can use the remote control Play/Pause key to play or pause audio, or the Next and Previous keys to select the next or previous track.
- You can use the remote control Input key or A5's Standby button sequentially to select connected inputs.

3.3 Adjusting the sound of A5

If A5 is connected to iTunes via AirPlay you can use one of the iTunes EQ options to tailor the sound.

Any ability to adjust the sound from the AUX input will depend on the capabilities of the source hardware or software.

3.4 A5 Automatic Input Switching

In some circumstances A5 will automatically switch to its AirPlay input or switch on from Sleep mode:

- If iTunes streamed audio is present on the AirPlay input when the AUX input is selected but no audio playing, the AirPlay input will automatically be selected.
- If iTunes streamed audio is present on the AirPlay input when A5 is in Sleep mode, it will automatically switch on and play the streamed audio.
- When A5 has been In Sleep mode for more than one minute and an audio signal is detected through the AUX input, it will automatically switch on and play the AUX input audio.

4. The A5 Indicator

The A5 indicator illuminates in a range of colours to indicate different operational conditions. Table 1 describes the colours and their meanings.

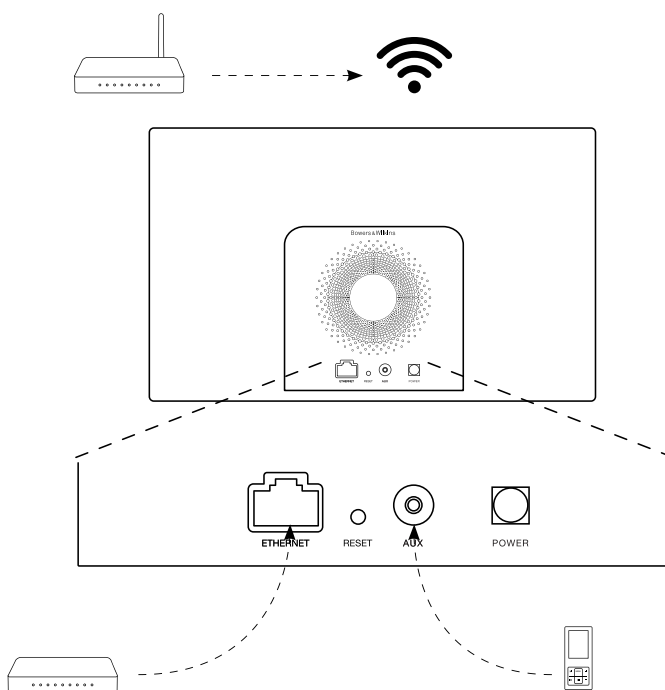


Diagram 5
A5 connectivity

Indicator Colour	Meaning	Input Selected
Off	Standby	N/A
Dim Red	Sleep	N/A
Pulsing Red	Powering up	N/A
Flash Red twice	Reset started	N/A
Orange	On	Aux
Fast flashing Orange	Volume adjustment	Aux
Purple	On	AirPlay
Fast flashing purple	Volume adjustment	AirPlay
Slow flashing purple	No network connected	AirPlay
Fast flashing Red	Invalid operation	Any
Slow flashing Yellow	Wireless setup mode	N/A
White	Firmware update	N/A
Flashing white	Firmware error	N/A

Table 1
Indicator colour and meaning

5. Joining Wireless Networks and configuring iTunes

In order to play your iTunes music on your A5 using AirPlay, your A5 must join the same network as the computer on which iTunes is installed and running. A5 network addressing is set to DHCP which means that once it has joined the wireless network it will not require any further configuration. You will need to know your home wireless network name and password before you start.

5.1 Set up your A5 with your iOS device (iPod touch, iPad or iPhone)

- Get the Bowers & Wilkins AirPlay Setup App from the App Store or by visiting www.bowers-wilkins.com/setupapp
- Follow the onscreen instructions.

5.2 Set up with Mac or PC

- Get the Bowers & Wilkins AirPlay Setup App from the Mac App Store (Mac users only) or by visiting www.bowers-wilkins.com/setupapp
- Follow the onscreen instructions.

5.3 Setting up A5 using a wired connection

To set up A5 to join your wireless network you should first connect it physically to the Mac/PC using an Ethernet cable. You will need to ensure that your Mac/PC wireless capabilities are disabled. Once connected you can browse to the A5 setup page. Follow the steps described below.

Note: A5 can also use a wired network for AirPlay streaming.

- Unplug every cable from the A5.
- Using an Ethernet cable connect the A5 rear panel ETHERNET socket to an Ethernet socket on the computer.
- Connect the power cable. A5 will switch on with the indicator pulsing red.
- Once the A5 indicator begins to flash yellow. Press and hold the '+' volume button on A5 for 4 seconds. A5's indicator will show solid purple once the wired network connection is established.
- Using an internet browser application running on the computer connected to the A5 type the A5 default network address (<http://169.254.1.1>) in the browser address field and press "return". This will open the A5 setup page.
- The setup page provides the option to change the A5 name. Changing the name is useful if more than one A5 is to be connected to the network. Enter a new name (A5 Kitchen for example) in the Name box.
- Select your home network Name from the drop down list and enter the Password in the appropriate box. Take care to type the password correctly.
- When you are finished, click on the Apply button, then close the A5 setup page. Disconnect the Ethernet cable.

- The A5 indicator will change to steady purple when the wireless network connection is established. This will take up to 3 minutes.

Note: If A5 fails to connect to your home wireless network, the most likely fault is an incorrectly entered network password. Follow the reset instructions in Section 7 and begin the network setup procedure again.

5.4 Configuring iTunes

With A5 connected to your home network (wired or wireless) you can configure iTunes to use it as an output device. Configure iTunes by selecting A5 in the devices menu at the bottom right hand corner of the iTunes display. iTunes will now play through the A5.

Multiple A5 units can be connected to the wireless network and used to provide audio in separate rooms. Each will be available in the iTunes devices menu, identified by either the names specified in the setup page, or by default the last three digits of their serial numbers.

6. A5 Firmware Update

Updated A5 firmware may from time to time be made available for download from A5's support section of the Bowers & Wilkins website.

7. A5 Factory Reset

A5 has a pin-hole reset button located on its rear connection panel. The reset button is illustrated in Diagram 6. To return the A5 network settings (AirPlay input) to the factory defaults, ensure the power cable is connected, and power the A5 on. Press and hold the reset button for 2 seconds. The indicator will flash red twice.

8. Cleaning A5

Use a clothes brush or damp cloth to clean the grille cloth. Wipe other surfaces with a clean lint-free cloth. If you wish to use a cleaning agent, apply it onto the cleaning cloth, not directly onto A5. Test a small area first, as some cleaning products may damage some of the surfaces. Avoid products that are abrasive, or contain acid, alkali or anti-bacterial agents.

9. Troubleshooting

If you need help troubleshooting a specific problem, or have a question you'd like answered, please consult A5's support section of the Bowers & Wilkins website www.bowers-wilkins.com

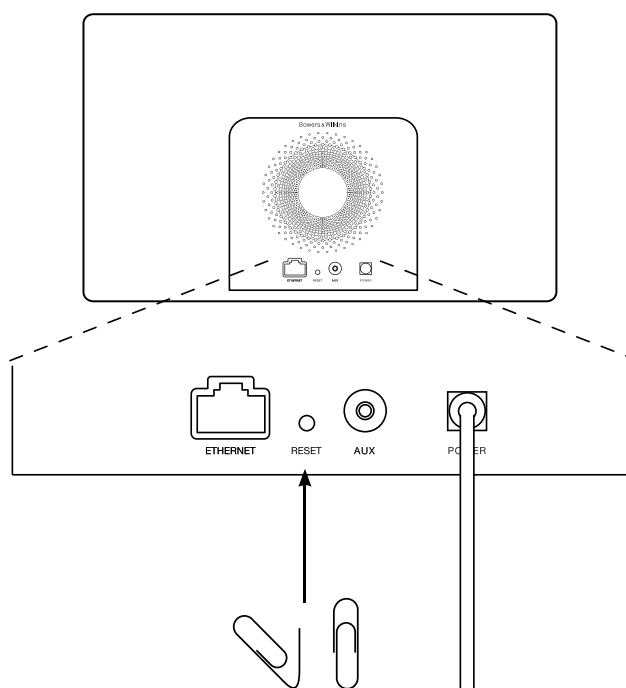


Diagram 6
A5 factory reset

Technical Specifications

Model	A5
Description	Wireless Music System
Technical features	Apple® AirPlay® technology Digital Signal Processing (DSP) High Quality Class-D amplifier Switch mode power supply Flowport™ Remote control
Drive units	2x 25mm (1.0 in) Nautilus™ tube aluminium tweeter 2x 100mm (4.0 in) Mid and low range
Frequency response	47Hz – 22kHz ±3dB on reference axis
Frequency range	-6dB at 40Hz and 24kHz
Amplifier power output	2x 20W (tweeter) 2x 20W (midrange)
Input voltage	100V - 240V ~ 50/60Hz
Rated power consumption	48W
Standby power consumption	<0.5W
Operating temperature	This product is only designed to work at an ambient temperature of up to 45°C
Inputs	Network (RJ45 Ethernet or Wi-Fi) Auxiliary - analogue (3.5mm mini jack)
Height	180mm
Width	300mm
Depth	120mm
Net weight	3.6kg
Enclosure	Glass filled ABS
Grilles	Black cloth
Apple compatibility	AirPlay works with iPhone, iPod touch and iPad with iOS 4.3.3 or later, Mac with OS X Mountain Lion, or Mac and PC with iTunes 10.2.2 or later.