Bayan Audio

# SILVERPOINT

USER GUIDE

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*Thank you for your purchase of a Bayan Audio SilverPoint Hi-Fi speaker system.*

*We hope that this product will bring you many years of enjoyment, and welcome you to the world of HD Digital music throughout your home.*

Bayan Audio

## Important Safety Instructions

1 Please read these instructions and then keep them safely for future reference

2 Heed all warnings and follow all instructions in this manual

3 Only clean this product with a dry, lint free cloth

4 Do not block any vents, and only install in accordance with the manufacturer's instructions

5 Do not use this product near to any heat sources such as radiators, heaters, cookers or other devices (including amplifiers) that produce heat

6 Do not use this product near to water or wet surfaces

7 Protect all cables from damage by running them over sharp objects, around tight bends, from friction or crushing damage caused, for example, by walking on them

8 Use only attachments or accessories as specified by the manufacturer

9 Unplug this product during lightning storms or in prolonged periods of disuse

10 Refer all servicing to qualified persons. Servicing may be required when the product has been damaged in any way, does not operate normally or has been dropped

11 Do not install this product in a confined or built-in space such as a bookcase or similar unit.

12 WARNING: Please refer to the information on the safety labels on the product or its power supply before installing or operating the device

13 WARNING: To reduce the risk of fire or electrical shock, do not expose this product to rain or moisture. The product should not be exposed to dripping or splashing and objects filled with liquids should not be placed on the product

14 The recommended operating temperature range for this product is 5 – 40 degrees Celsius.

## FCC Regulations

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

FCC ID:

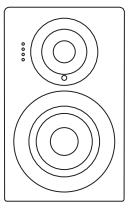
## Recycling

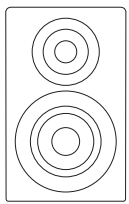
This product CAN be recycled. Products bearing this symbol must NOT be thrown away with normal household waste. At the end of the products life, take it to a collection point designated for recycling of electronic devices. Find out more about return and collection points through your local authority.

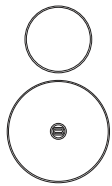
# Quick Start

Unbox your speakers and check that you have the following parts:

1 **Active speaker**
2 **Passive speaker**
3 **4-way speaker connection cable**
4 **Mains power cable**
5 **Speaker grill covers**
6 **Remote control**







**1**
Active speaker

**2**
Passive speaker

**3**
4-way speaker connection cable

**4**
Main power cable

**5**
Speaker grill covers

**6**
Remote control

Position your speakers as desired and locate the nearest mains power outlet to the speakers. The active speaker may go on the left or the right – it does not matter at this stage.

Connect the active speaker to the passive speaker using the 4-way speaker connection cable. Tighten the locking nut being careful not to cross the threads – if it does not screw on easily, please loosen it and start again!

Locate the switch labelled 'L MONO R' on the rear of the active speaker. If the active speaker is on the left side, select 'L', if it is on the Right side, select 'R'. If the speaker is to be used on its own as a mono speaker, select 'MONO'.

You may choose at this stage to connect your speaker to the network using an Ethernet cable. This is not a requirement as Wi-Fi may be configured later. However, using Ethernet cables to connect your speakers to the router may result in better network performance for your other applications.

Turn on the power switch on the rear of the active speaker – a RED light will illuminate on the front of the active speaker.

Press the 'Power' button on the remote control, or alternatively short-press the 'Volume / Input' knob at the rear of the active speaker. The RED light will flash indicating that the speaker is initialising.

Once the speaker initialisation is complete, the active speaker will display a WHITE light showing that it is on, and the network input is selected.

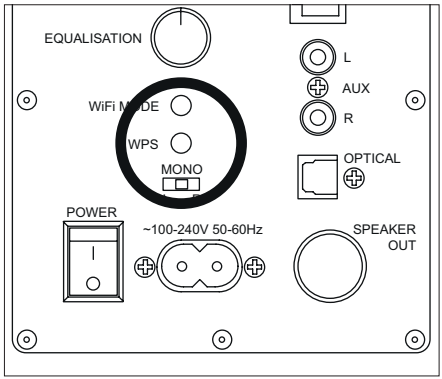
If you have used an Ethernet cable to connect your speaker to the network, then setup is now complete, however you may wish to read the StreamQ App section of the manual to see how to change the name of your speaker. If you wish to use Wi-Fi, please refer to the following instructions relevant to your mobile device / Network:

WiFi

Bluetooth

OPT Optical

Power




## Configuring your speaker using WPS

Power on your speaker and wait for a white light indicating it has finished its initialisation.

Press the WPS button on your Router (see your router's instruction manual for help). You now typically have up-to 2 minutes to go to the speaker and press the WPS button.

Once the WPS setup process has completed you will be able to access your speaker and play music on it using either the StreamQ app, or other music streaming service app.

You may find it useful to rename your speaker – instructions for doing this can be found in the 'Installing and using the StreamQ app' section of this manual. When choosing a speaker name, you may find it helpful to call the speaker by the name of the room it is in if you have a number of speakers on your network – for example 'Master Bedroom' or 'Living Room'.

## Configuring your speaker from Android

Power on your speaker and wait for a white light indicating it has finished its initialisation.

Swipe down from the top of the screen and choose to search for a new wifi network. Select your new speaker from the list of available wifi networks.

Open a web browser and navigate to www.bayanaudio.com/setup

You will be prompted for a name for the speaker – typically we recommend naming the speaker by the name of the room the speaker is located in (e.g. kitchen, living room, bedroom).

Next you will need to select the name of the Wi-Fi network to which you wish to connect the speaker from the 'Network Name' drop down selection box. If your network is not listed, please check the router is turned on, and that your android device is connected to it. You can refresh the list of networks if necessary.
Enter the 'Password' for your Wi-Fi network – you may find this written on the bottom of your Wi-Fi router unless you have changed the password at some point.

Tap 'Connect' and wait for a message saying 'You are connected'.

Your speaker will now connect to your Wi-Fi and is ready to use.

## Configuring your speaker from iOS

Power on your speaker and wait for a white light indicating it has finished its initialisation.

Open Settings, Wi-Fi, then select your new speaker. You will now be asked to choose the name for your speaker – you may find it helpful to call the speaker by the name of the room it is in if you have a number of speakers on your network – for example 'Master Bedroom' or 'Living Room'

Next you will need to select the name of the Wi-Fi network to which you wish to connect the speaker from the 'Network Name' drop down selection box. If your network is not listed, please check the router is turned on, and that your android device is connected to it. You can refresh the list of networks if necessary.

Enter the 'Password' for your Wi-Fi network – you may find this written on the bottom of your Wi-Fi router unless you have changed the password at some point.

Tap 'Connect' and wait for a message saying 'You are connected'.

Your speaker will now connect to your Wi-Fi and is ready to use.

## Configuring your speaker from Windows and OSX

Power on your speaker and wait for a white light indicating it has finished its initialisation.

In the notification area of the Taskbar, right click on the Wi-Fi logo, and connect to your new speaker (Note – your computer may tell you that you have 'Limited Access')

Open your web browser, and try to connect to a web page – you will be taken to the web interface of the speaker and asked to give the speaker a name - you may find it helpful to call the speaker by the name of the room it is in if you have a number of speakers on your network – for example 'Master Bedroom' or 'Living Room'

Next you will need to select the name of the Wi-Fi network to which you wish to connect the speaker from the 'Network Name' drop down selection box. If your network is not listed, please check the router is turned on, and that your android device is connected to it. You can refresh the list of networks if necessary.

Enter the 'Password' for your Wi-Fi network – you may find this written on the bottom of your Wi-Fi router unless you have changed the password at some point.

Tap 'Connect' and wait for a message saying 'You are connected'.

Your speaker will now connect to your Wi-Fi and is ready to use.

**Status Lights**

The status lights can be found on the front of the active loudspeaker next to the tweeter (small speaker).

**White**
Wi-Fi / Network input selected

**Blue**
Bluetooth input selected

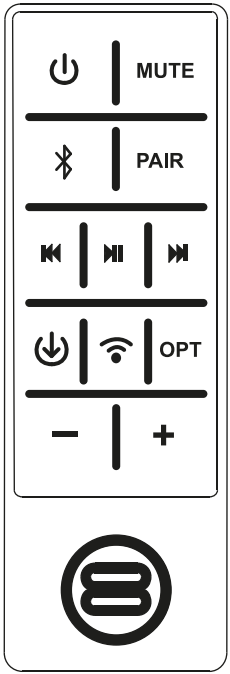
**White**
Optical input selected

**Red**
Standby mode

**Red flashing**
Speaker is initialising

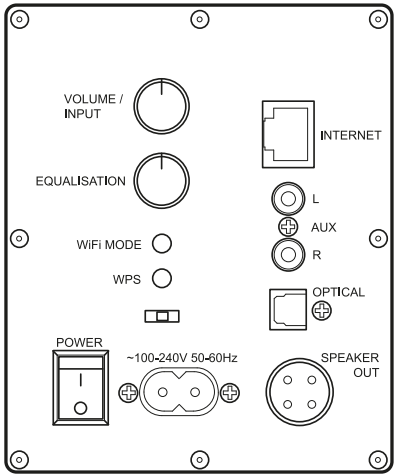
**White**
Auxiliary input selected

## Remote Control




| | |
|---|---|
| ⏻ | **Power**<br>Wake speakers from standby or put to sleep |
| MUTE | **Mute**<br>Silence the speakers until mute is pressed again |
| ᛒ | **Bluetooth**<br>Selects the Bluetooth as the current input mode |
| PAIR | **Pair**<br>Disconnect any Bluetooth devices currently connected to the speaker, and allow new devices to pair. |
| ⏮ | **Rewind**<br>Press and hold to seek, short press to skip back one track |
| ⏯ | **Play/Pause**<br>Press to start or pause the music |
| ⏭ | **FFWD**<br>Press and hold to seek, short press to skip forward one track. |
| ⏻ | **Line In**<br>Selects the AUX line in connection as the current input |
| ᯤ | **WiFi**<br>Selects network mode for wifi / Ethernet multiroom streaming of music |
| OPT | **OPT**<br>Selects the optical in connection as the current input |
| − | **DOWN**<br>Decrease volume |
| + | **UP**<br>Increase volume |

## Back Panel



**Power**
This is the main power on / off switch
for the loudspeaker

**Internet**
Used to connect your speaker to the network
using an RJ45 Ethernet cable (where Wi-Fi signal
is weak or not available, or for best performance)

**L Aux**
connect the left channel of auxiliary equipment
such as CD players here

**R Aux**
connect the right channel of auxiliary equipment
such as CD players here

**Optical**
connect digital audio inputs such as the optical
output from your TV here

**100-240V 50-60HZ**
mains power connector

**Speaker out**
connect the passive speaker here using the
supplied 4-way speaker connection cable.

**Bluetooth**

Select the Bluetooth input either with the remote control or by short pressing the Volume / Input knob to the rear of the product.

Your speaker will automatically connect to the last Bluetooth audio source it was used with (if available) – if not you will be able to search for it and pair in the normal way

**Bluetooth Pairing**

You can use Bluetooth Secure Simple Pairing to connect and stream music:

To enter pairing mode, press and hold the Bluetooth Pairing button on the remote control.

Consult your audio source user manual for instructions on how to pair with Bluetooth devices – generally you will need to go into your settings, Bluetooth, scan for new Bluetooth devices and select your speaker. You will not be prompted for a passcode for pairing.

**Note**

For secure simple pairing to work your MP3 /phone / tablet / laptop must be in close proximity to the speaker when trying to pair (within a range of 1 metre)

After pairing is successful, paired devices will remember each other – unless pairing information is deleted there is no need to carry out pairing again. Your speaker can remember the last 4 audio sources that it was paired with, and will automatically connect to the last audio source it was connected to (if it is in range).

If you want to connect to an alternate audio source, press the pairing button on the remote control to disconnect it from the current audio source and enable pairing mode.

## Pairing with NFC

If your Android device supports NFC, you can use this to quickly and easily pair your Bluetooth connection.

First, turn on your android device and unlock the screen (ensuring that NFC is enabled in the settings)

Next, Touch the back of your audio source to the back cover of the remote control for your Silverpoint Speaker.
(Note – if you have multiple Silverpoint Speakers, you will need to remember which remote goes with which speaker, as the NFC chips in the remotes are individually coded to the speaker during manufacture).

Finally, confirm that you wish to connect and pair with your speaker

You can now connect and disconnect by simply touching your audio source at any time to the back of the remote.

## Controlling the volume for Bluetooth music

There are 2 volume controls available to adjust how loud your music is playing back – on the audio source itself, and on the speaker. You will not be able to get maximum volume unless the volume is turned up to maximum both on the audio source, and the speaker.

For optimum sound quality we suggest turning the volume to near maximum on your audio source, and then using the volume control on your speaker (rear knob or remote control) to adjust the volume output to your desired listening level.

## Optical

Ensure that your audio source is connected via an Optical (S/PDif) cable to the rear of the active speaker, and is switched on.

Select the Optical input either with the remote control or by short pressing the Volume / Input knob to the rear of the product.

## Auxiliary

Ensure that your audio source is connected via a stereo RCA lead to the rear of the active speaker, and is switched on and playing music.

Select the Auxiliary input either with the remote control or by short pressing the Volume / Input knob to the rear of the product. You should now hear your music playing.

## Controlling the volume for Auxiliary source music

There are 2 volume controls available to adjust how loud your music is playing back – on the audio source itself, and on the speaker. You will not be able to get maximum volume unless the volume is turned up to maximum both on the audio source, and the speaker.

For optimum sound quality we suggest turning the volume to near maximum on your audio source, and then using the volume control on your speaker (rear knob or remote control) to adjust the volume output to your desired listening level.

# Installing the StreamQ App

**Android Installation**

Launch the Play Store on your Android device and search for 'Bayan StreamQ', the official Bayan App which has this icon:

Install the StreamQ App to your mobile device.

Ensure that your android device is on the same WiFi network as your speakers, then tap on the StreamQ App to launch it.

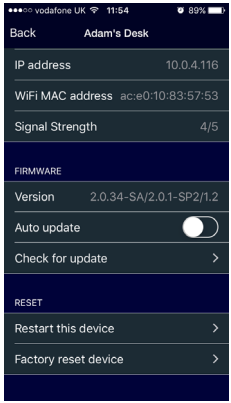
**iOS Installation**

Launch the App Store on your mobile device, and search for 'Bayan StreamQ', the official Bayan App which has this icon:

Install the StreamQ App to your mobile device.

Ensure that your android device is on the same WiFi network as your speakers, then tap on the StreamQ App to launch it.

A full user guide for the StreamQ App is avaliable on our website.




**What File Formats can I stream to the Speakers from the StreamQ App?**
StreamQ supports MP3, AAC, AAC+, FLAC, WAV, ALAC and PCM file formats up to 192KHz sampling rate and 24 bit resolution.

**Updating the Speaker Firmware**
From time to time new firmware will be released for the speakers to add new functionality. This can be downloaded and updated easily over the internet.

To check for firmware updates, make sure your speakers are connected to the Wi-Fi / Ethernet and that there is an internet connection. In the App go to the Main Menu and select Speaker Settings. Choose the speaker you wish to update, and select 'Check for update'.

By default, the 'Auto updated' feature is disabled – this is to ensure that there is no interruption to your listening.

During a firmware update, do not un-plug or turn off the speakers. The lights on the front of the speakers will flash and the speaker may restart several times.

Once the speaker has restarted and is available in the App for music playback, the update has completed.

**How can I Factory Reset / Hard Reset the Speaker?**
Occasionally you may need to perform a factory reset on one of your speakers. This may be because you have changed your Router, your Wi-Fi SSID or your Wi-Fi Password, and your speaker is no longer connected to the network.

Performing a factory reset enables you to reconnect to your speaker from your mobile device and then configure the network as described in the Quick Start section of this user guide.

## Troubleshooting (contd)

To perform a factory reset, turn on your speaker and wait for the RED light to stop flashing (indicating it has completed its initialisation)

At the rear of the speaker, locate the button labelled 'WIFI MODE'. Press and hold this button for 5 seconds, then let go. The RED light at the front will flash as the speaker restarts.

Once the RED light has stopped flashing, your speaker has been factory reset and is ready for network configuration – see the Quick Start section of this user guide.

## Specifications

**System Requirements**

- To use StreamQ App requires: iOS 9 or higher, Android 4.4 KitKat or higher
- For HD Audio requires (minimum): 5G Wireless N WiFi or 100 Base T Ethernet network
- For streaming from online music services requires: internet connection (fibre broadband recommended)
- Recommended: Dual band Wireless AC router with 128 MB RAM
- Power – requires 110-240 V AC 50/60Hz mains connection

# Specifications

| | SILVERPOINT SP1 | SILVERPOINT SP2 |
|---|---|---|
| **Power Output** | 24W stereo | 40W stereo |
| **Frequency Response** | 80Hz – 20KHz | 50Hz – 20KHz |
| **THD** | <0.3% | <0.3% |
| **Driver Configuration** | 3" paper cone, 1" silk dome | 4" glass fibre cone, 1" silk dome |
| **Amplifier Configuration** | Class D Bi-Amped with digital crossover | Class D Bi-Amped with digital crossover |
| **Power Requirements** | AC 110-240V 50/60Hz 1.5A | AC 110-240V 50/60Hz 1.5A |
| **Inputs** | Ethernet/WiFi<br>Optical<br>Analogue RCA<br>Bluetooth 4.0 With aptX | Ethernet/WiFi<br>Optical<br>Analogue RCA<br>Bluetooth 4.0 With aptX |
| **Outputs** | Bi-Wire speaker output to connect active speaker to passive speaker. | Bi-Wire speaker output to connect active speaker to passive speaker. |
| **IR Remote** | Yes | Yes |
| **Adjustable EQ** | Yes | Yes |
| **Removeable Speaker Grill Covers** | Yes - magnetic | Yes - magnetic |
| **Support for HD Audio 24/192** | Yes | Yes |
| **Support for DLNA Music Services** | Yes | Yes |
| **Online Music Services Supported** | Spotify, Napster, iHeartRadio, SomaFM, TuneIn, Aupeo, DoubleTwist.<br>(additional cloud services to be added) | Spotify, Napster, iHeartRadio, SomaFM, TuneIn, Aupeo, DoubleTwist.<br>(additional cloud services to be added) |
| **Support for Alljoyn enabled home automation appliances** | Yes | Yes |
| **Support for Android** | KitKat and Later | KitKat and Later |
| **Support for IOS** | iOS 7 and later | iOS 7 and later |

# 3rd Party Licenses

## Boost
## http://www.boost.org/

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## http://www.jclark.com/xml/expat.html

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**http://www.codeproject.com/KB/cpp/FastDelegate.aspx**

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**zlib**
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