

## How to setup your JustBoom HAT as a Bluetooth Speaker

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This guide is a draft copy of how to setup your Raspberry Pi as a Bluetooth speaker. The following instructions were tested using the JustBoom DAC HAT and a Raspberry Pi 3B+ with the latest version of Raspbian OS.

### [Bluetooth Pairing and Connection](#)

Launch the BlueZ command line interface:

Setup a pairing agent:

```
agent on default-agent
```

Make the Raspberry Pi discoverable:

```
discoverable on
```

On your phone (Bluetooth device) search and select your Raspberry Pi from the Bluetooth menu. Confirm the pairing on both your phone and the Raspberry Pi:

```
Request confirmation [agent] Confirm passkey 123456 (yes/no): yes
```

Authorize A2DP service:

```
Authorize service [agent] Authorize service 0000110d-0000-1000-8000-00805f9b34fb (yes/no): yes
```

Note: If asked about other services simply enter “yes”

Trust the phone (device) so that the Raspberry Pi will automatically accept connection from the phone next time it connects:

```
trust xx:xx:xx:xx:xx:xx
```

Note: Replace xx:xx:xx:xx:xx:xx with your phones device address which will be displayed when authorizing a service. [CHG] Device 24:4B:81:BC:36:1E

Exit from BlueZ command line interface:

```
exit
```

## [Audio Routing](#)

Forward audio from the phone to the Raspberry Pi's output:

```
sudo bluealsa-a2dp -d hw 00:00:00:00:00:00
```

Verify

Launch a media/music player from your phone(device) and play some music or a video. You should hear the music from the Raspberry Pi/JustBoom HAT output.

Note: When you disconnect the Bluetooth from either device and then re-connect again you will need to forward the audio routing each time.

## [FAQ](#)

There is a possible issue where the audio cuts out and this is due to the on-board WI-Fi. Yet to confirm this and experience it.