

Astro Pi
MP3 Music Player
Instruction Manual

Features

- 6 general purpose buttons
- A joystick
- An LED Matrix

Music Folder

The music folder is currently set at /home/pi/Music on line 209 of the code

The Joystick

The joystick can be moved in four directions and the centre can be pressed upon, not dissimilar to a button.

The four directions:

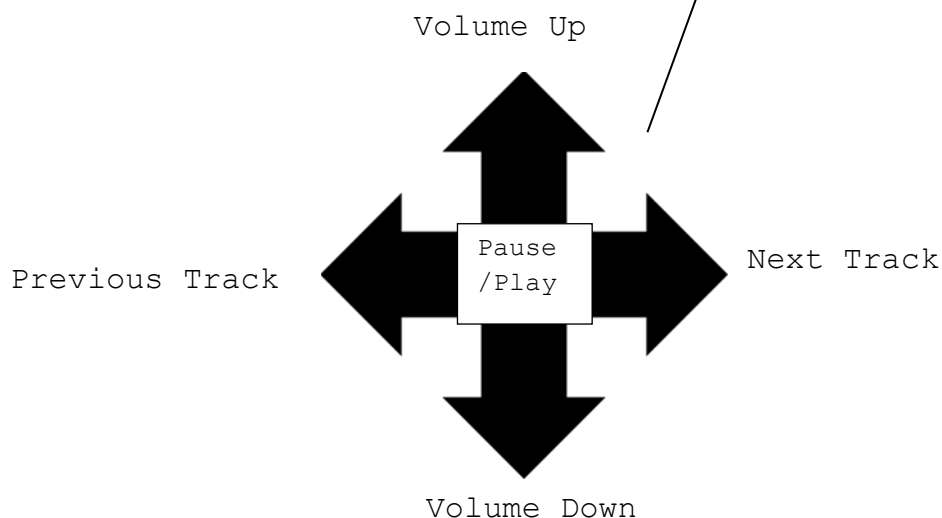
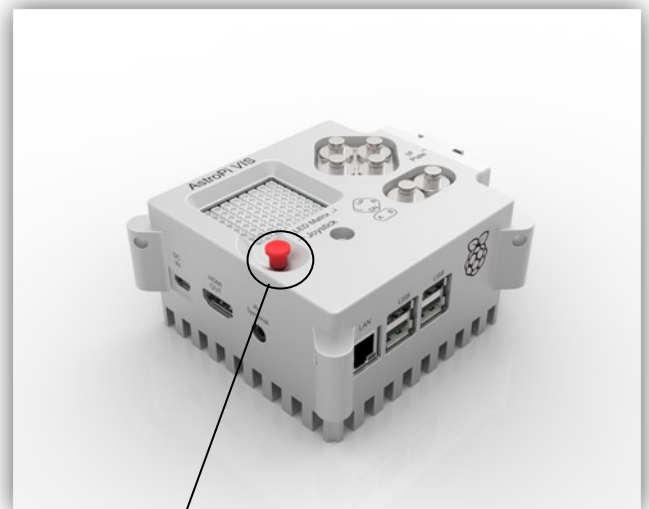
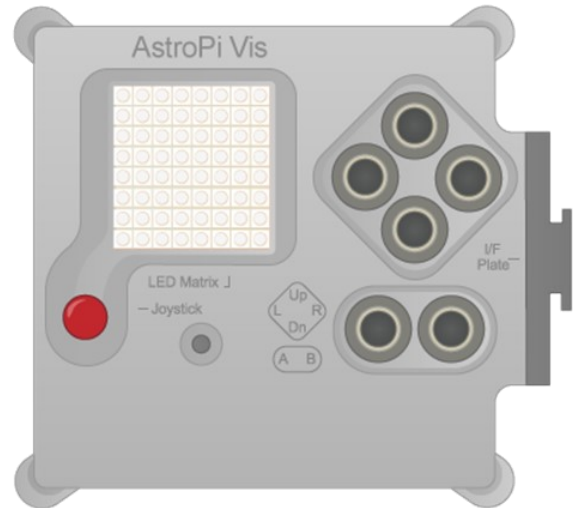
Up- Increases the volume by 3 decimals

Down- Decreases the volume by 3 decimals

Left- Skips to the previous track

Right- Skips to the next track

Centre pushed- pauses/plays the track



Buttons

The Astro Pi Flight Case has 6 buttons. The first 4, arranged in a diamond shape, controlled the volume increase and decrease, next track and back a track.

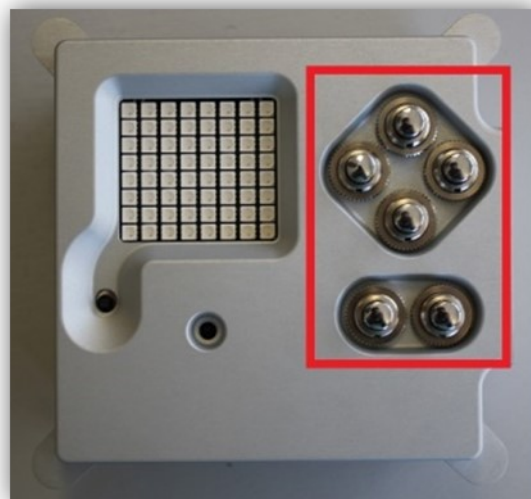
The top button controls the volume increase. Pressed once it will increase the volume by 3 decibels.

The right button, when pressed, will pause the playing track and skip to the next one.

The bottom button controls the volume decrease. Pressed one it will decrease the volume by 3 decibels.

The left button, when pressed, will pause the playing track and skip back to the previous track.

The remaining 2 buttons, placed just below the first 4, control fast forward (on the right) and rewind (on the left). Both of them, when pressed, skip 30 seconds of the track.



Rewind



Fast Forward

Volume Up

Previous Track



Next Track

Volume Down

Gyroscope

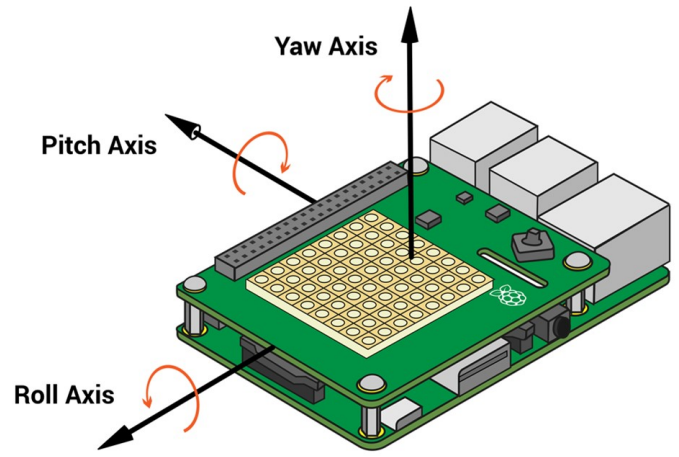
The gyroscope will react if the Mp3 Music Player is tilted in these 4 directions:

Back: If the Music Player is held at a 90 angle so the screen faces you and tilted backwards it will skip to the next track

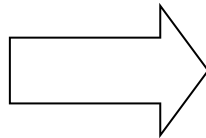
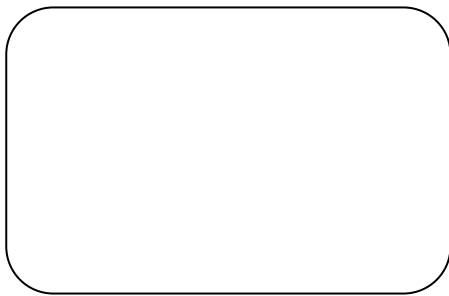
Forwards: If the screen is tilted forwards it will skip to the previous track

Left: If the screen is tilted to the left it will increase the volume

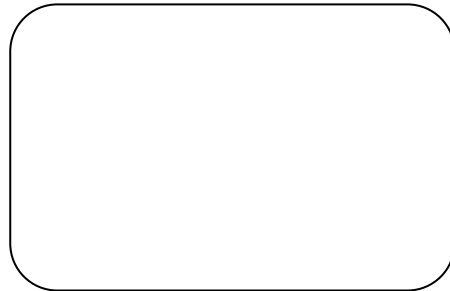
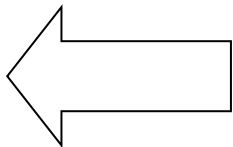
Right: If the screen is tilted to the right it will decrease the volume



Arrows symbolise the direction of tilt needed to achieve the result.

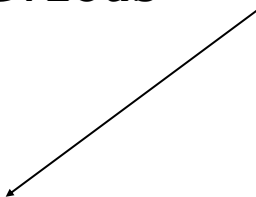


Volume Down



Volume Up

Skip back to the previous track



Skip to the next track

