

## Operating instructions for the MP3 Player:

Welcome to the Astro MP3 player.

These instructions will walk you through the various features of the player and how to use it.

Unzip the file and copy the Astro\_MP3 file to the /home/pi folder of your Raspberry Pi. Open the Python file called AstroMP3\_final. This is the main program. A selection of MP3s files are stored for testing the code

Enjoy!

### **Selecting a Song:**

Use the joystick to move around the blue area, you will see the letter for each song displayed. So to select the song 'Dance', move to the 'D' and press Enter, (press the joystick in). It will start playing the song.

Press Enter again and it will play the next song, press it again and you are at the end of the list. Press to select the song again.

If there are no MP3s for the letter, then a message is scrolled to tell you. Sometimes, no song will play but no message is scrolled. This is because you are at the end of the song list. Simply press the joystick Enter again and a song will play.

### **Adjust the Volume:**

Now that the song is playing you can adjust the volume by moving to the green dot and pressing the joystick in, Enter. Look for the '#' symbol. This opens the volume control; you will see that it is set to 50%. Use 'a' to reduce the volume and 'b' to increase it. If you use 'a' to decrease, it will eventually 'mute' which is displayed by an image of a speaker with a red cross. Use 'b' to set your volume to your preferred level.

### **Reset button**

The orange reset button is located at the bottom right row, second from the end. This button is identified by the '@' symbol. Press the joystick Enter and it stops the music playing, and resets the MP3 player returning you to letter 'A'.

### **End:**

The red dot displayed with the '%' symbol ends the program, navigate to the position and press Enter on the joystick. The program ends

### **Moods**

Within the MP3 player are four 'mood' playlists, identified by the four teal LEDs. Scroll down to them and hover over one. The 'mood' number will be displayed.

The mood playlists are as follows:

- 1: Thinking
- 2: Relaxing
- 3: ISS Party
- 4: Bowie Tribute

Select one and press the Enter button. The first track will start playing, when this track ends the next track will play and so on until the last track has been played.

If you wish to skip a track or end the playlist, press Enter and it will skip. Once on the last track the MP3 player will default back to the 'letter selection' console.

## Playlist

There are also four 'genre' playlists, identified by the yellow LEDs. Scroll down to them and hover over one. As with the moods, the number is displayed starting from 5 and operated in the same way as the 'moods'. *Note that while in the mood / playlist you cannot alter the volume.*

The playlists are as follows:

- 5: Rock
- 6: Rap / RnB
- 7: Space
- 8: Sonic Pi winners

## Instructions

The white dot above the volume is the instruction button, this displays a letter 'i'. Select this and you will be treated to a guided tour of the MP3s features.

## Random:

The teal / blue dot below the volume represented by the '!' symbol loads the random feature. This selects a random MP3 track and plays it, then another and so on.

*(Currently there is a bug and you cannot break out of the random player feature ☹, we are working on this but were off for half term)*

## NOTES:

1. All MP3s are added as an example to show the features of the player
2. MP3s are stored in the MP3\_files folder and referred to by their song name, for example 'Happy Birthday.mp3'
3. Moods and Playlist are stored in the play list folder and called by a number, for example an MP3 for the ISS Party playlist is renamed with a filename beginning with 3.

## Moods:

- 1: Thinking
- 2: Relax
- 3: ISS Party
- 4: Bowie Tribute

## Playlists:

- 5: Rock
- 6: Rap / RnB
- 7: Space
- 8: Sonic Pi winners