

A smart MP3 music player based on Raspberry Pi platform

The Smart Raspi MP3 is a MP3 player using a Raspberry pi CPU and external touchscreen to play .mp3 and .wav files that are stored on the device. This allows the user to not have to rely on their phone or streaming services to listen to music. The player is enhanced by smart capabilities, so that the player learns the music preferences of its user based on its spacious, temporal, and physiological characteristics, and can choose songs and artists that are best fit to the specific preferences of the user. The smart features are based on machine learning using Weka technology, allowing the player to adjust and become more responsive to individual music preferences patterns. Which eliminates the need for the user to create playlists or choose specific songs.