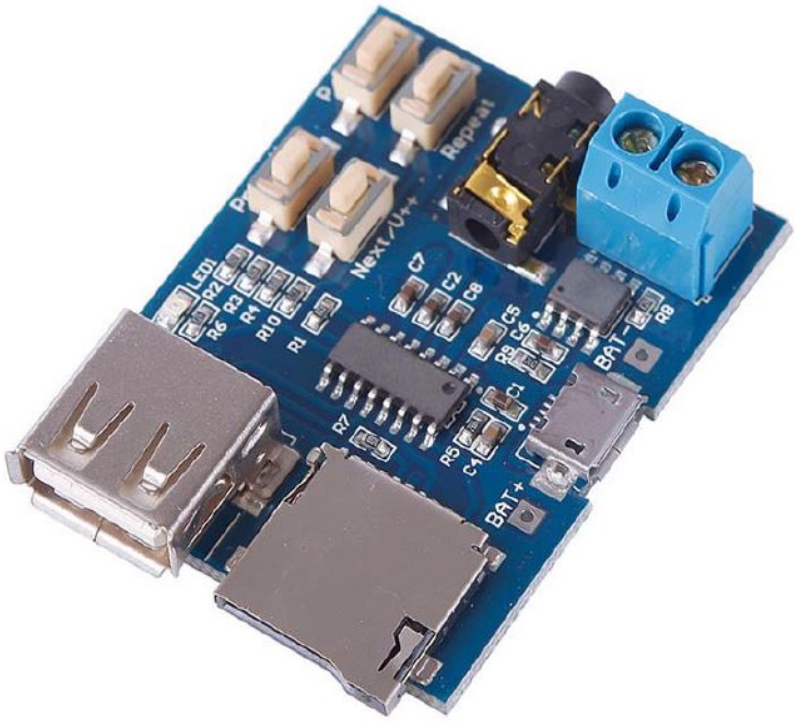
GPD2856 USB and MicroSD Card MP3 Player



MP3 decoder board play MP3 files from a USB flash drive or from a MicroSD flash memory card. The player has good sound quality, on-board 2W mono amplifier, and can be directly connected to a speaker.

Power Supply:

- MicroUSB port available to power the board through MicroUSB (mobile phone) cable.
- Solder terminals to connect 3.7V lithium battery pack.
- Battery terminals handle up to 5.5V DC power.
- Power supplied to the MicroUSB port charges the attached 3.7V lithium battery.

Flash Memory:

- Player supports files stored on both USB flash drive (tested up to 32GB) and MicroSD flash card (tested up to 16GB).
- If both flash drives installed, the SD card plays first, but can be overridden by the "mode" button.
- Mp3 tracks will load and start playing automatically upon power up.
- The chip automatically traverses through folders off of the root to find MP3 files.

LED:

Red LED Flashes when mp3 is playing.

Prev / V-- Button:

- Short press to play previous track.
- Long press to decrease volume.

Next / V++ Button:

- Short press to play next track.
- Long press to increase volume.

P / P / Mode Button:

- Short press to Play or Pause.
- Long Press to change USB or microSD toggle.

Repeat Button:

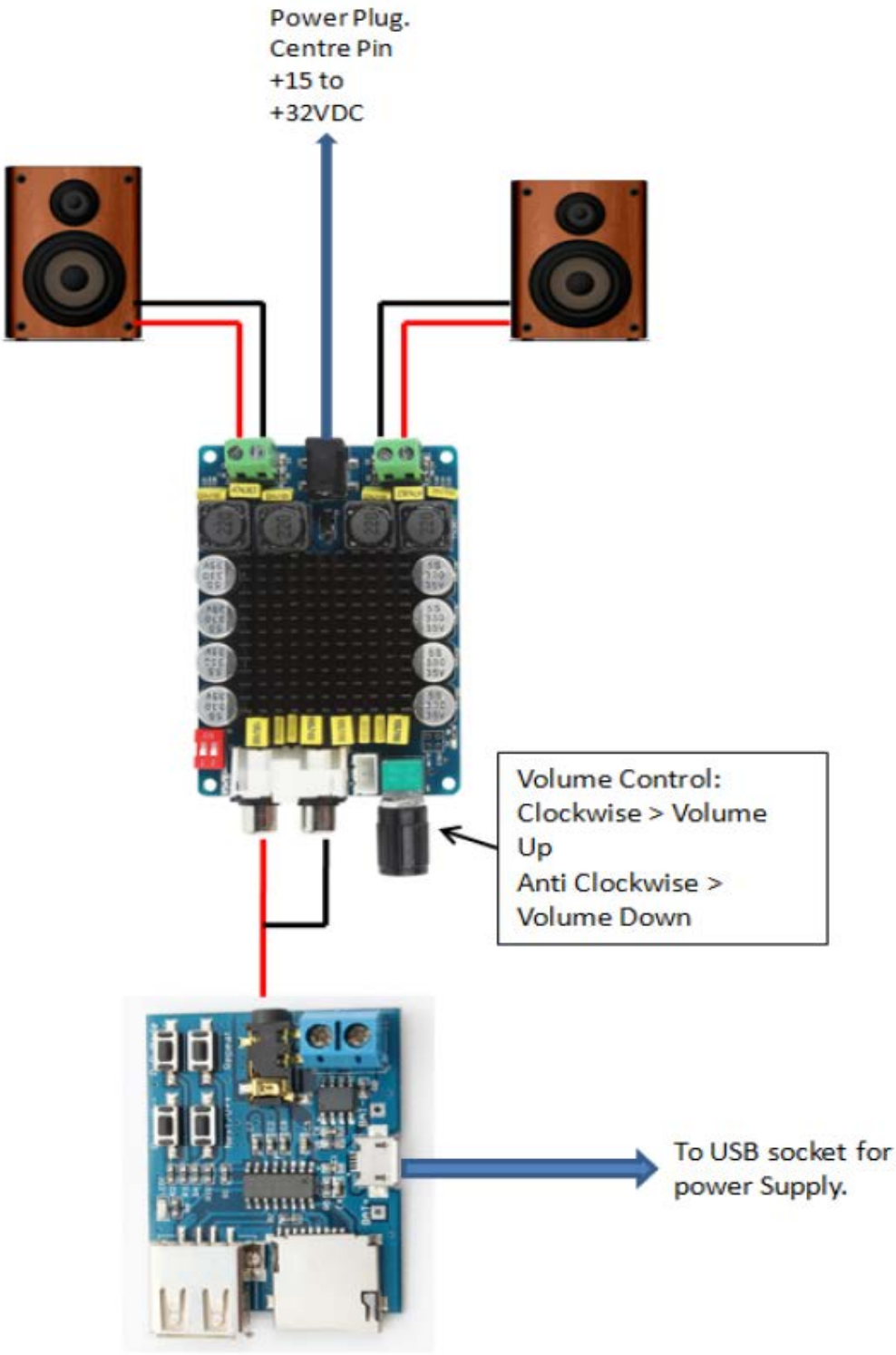
Long press to change single Track/Cycle All Tracks toggle (powers up into cycle mode).

Note: Long Press **repeat button** approximately for two seconds.

Features:

- Onboard 2W mono amplifier (5V supply up to 3W) directly connected to the speaker (Recommended with 4Ω/3W speakers).
- 3.5mm gold plated headphone jack that connects headphones or an external audio amplifier.
- Module supports TF card (Phone memory card), USB disk playback mode.
- Unsoldered screw speaker terminals available for easy connection to speakers
- Power range: 3.7 ~ 5.5V.
- Size: 45mm x 36mm.

Connect to External Power Amplifier:



Note: Recommended Power Amplifier **TDA7498MOD 2x100W Class-D Audio Amplifier**.