



## Data Specs

### 50W+50W/100W 2+1 Channel Bluetooth MP3 Power Amplifier

This is 50W+50W+100W, 2.1-Channel Bluetooth audio power amplifiers module with FM radio. This design is based on Texas Instrument TPA3116 high efficient Class-D audio chip with single supply voltage of 12~24Vdc which most suitable for car stereo application and DIY Hi-Fi System. This amplifier board equipped with remote control, FM Radio Receiver, AUX input and USB Disc functionality.



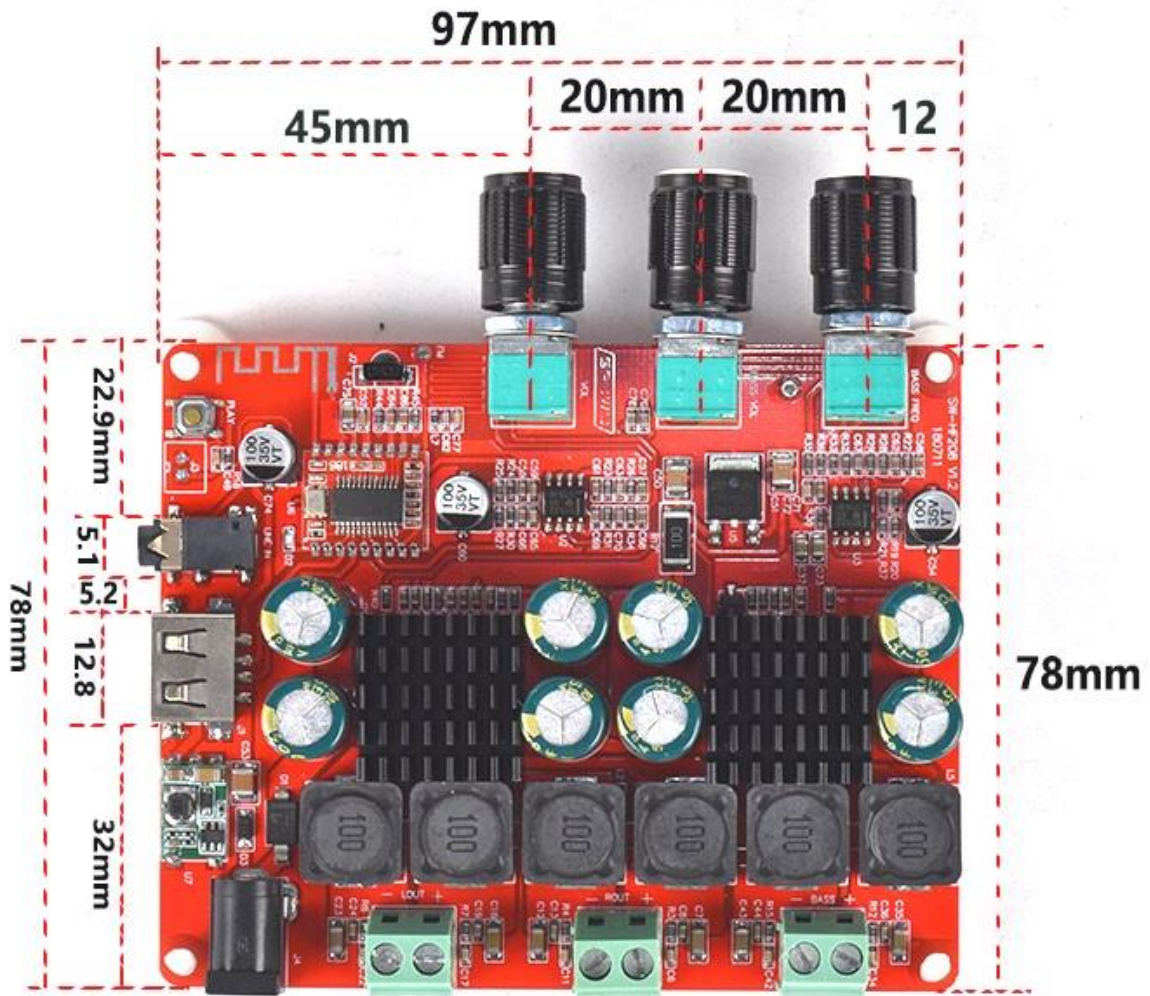
**SKU:** [MDU1099](#)

#### Brief Data:

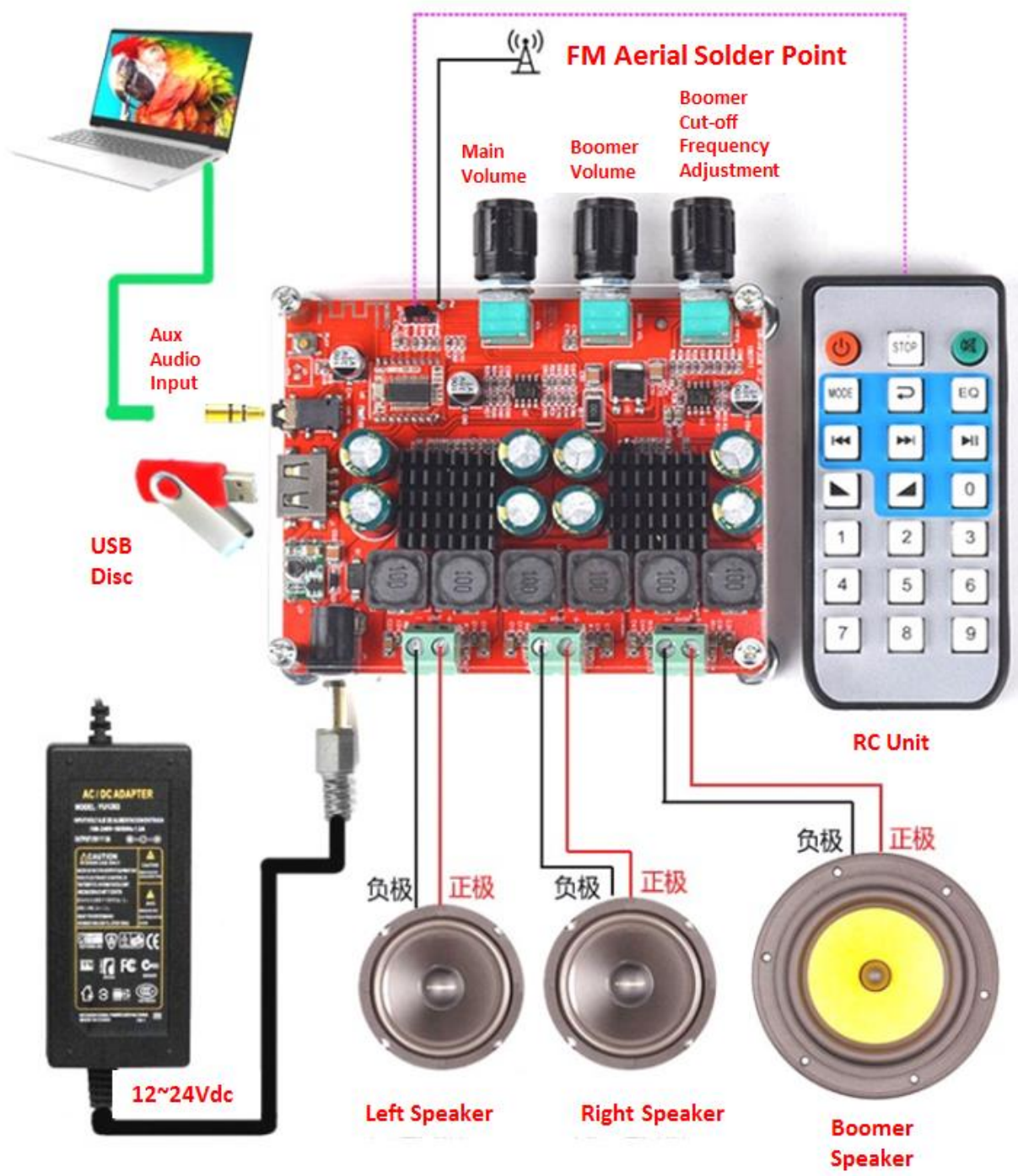
- Operating Voltage: 10~24VDC.
- Mode of Operation: Bluetooth Device, USB Disc, FM Radio and AUX Audio Input.
- Number of Channel: 2+1.
- Speaker Impedance: 4Ω & 8Ω. (8Ω Optimum).
- Supply Input: 5mm/2.1mm DC Socket.
- Bluetooth Version: Bluetooth V4.2.
- Bluetooth ID: Xpecial Audio.
- Audio Format: MP3, WMA, WAV, FLAC & APE.
- Pre-Amp: NE5532.
- Power Amp Stereo: TPA3116 ( 50W+50W. Boomer TPA3116 ( BTL 100W )
- Output Power: 50W+50W+100W (Boomer).
- Volume Control: Stereo Volume, Low Frequency Cut-off, Boomer Level.
- Board Size (LxWxH): 97x78x22 mm
- Mounting Hole: 91x72 mm.
- Weight: 110g.

**Mechanical Dimension:**

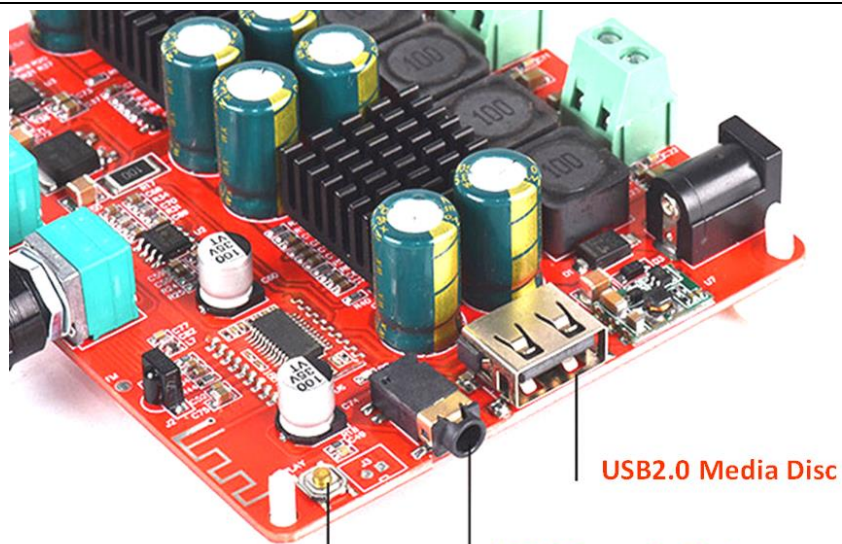
Unit: mm



**Functional Diagram:**







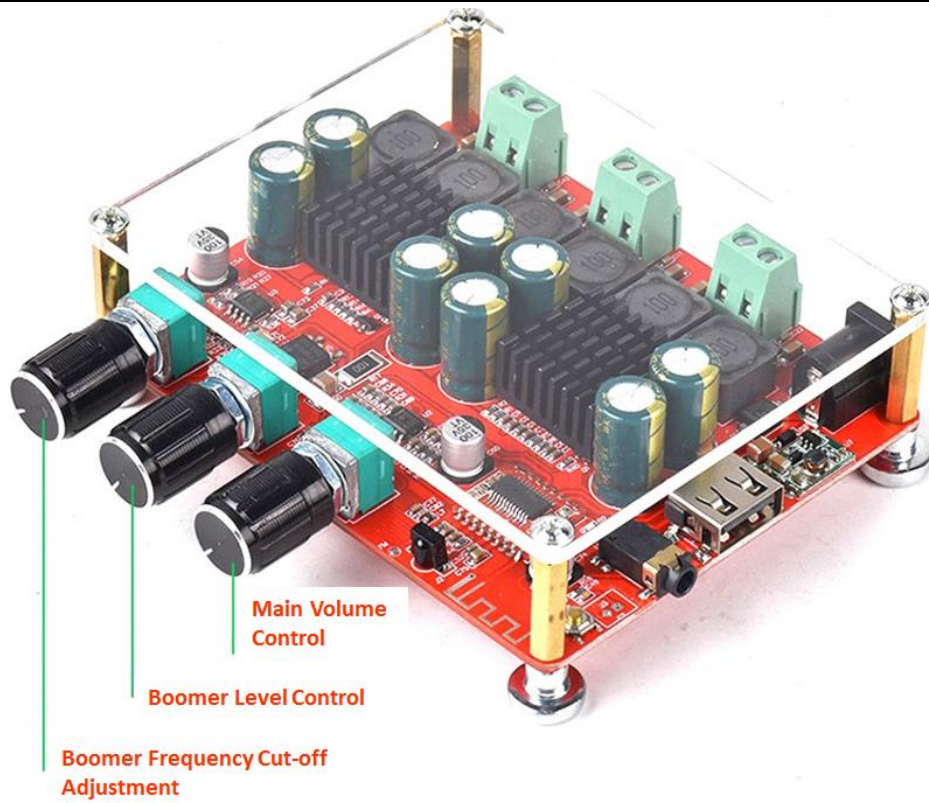
USB2.0 Media Disc

AUX 3.5mm Audio Input

Play/Pause. Long Press > Radio Station Search and auto store.



FM Receiver Antenna Point. Solder a wire of length ~30cm to this for better radio reception.



**Remote Control Function:**



## **Web Resource:**

- [TDA7498 2X100W Class-D Audio Amplifier](#)
- [GPD2856C-MP3 Player Board](#)
- [Class-D Audio Amplifier Basic](#)



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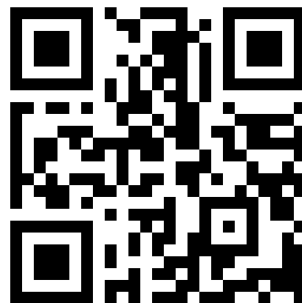


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