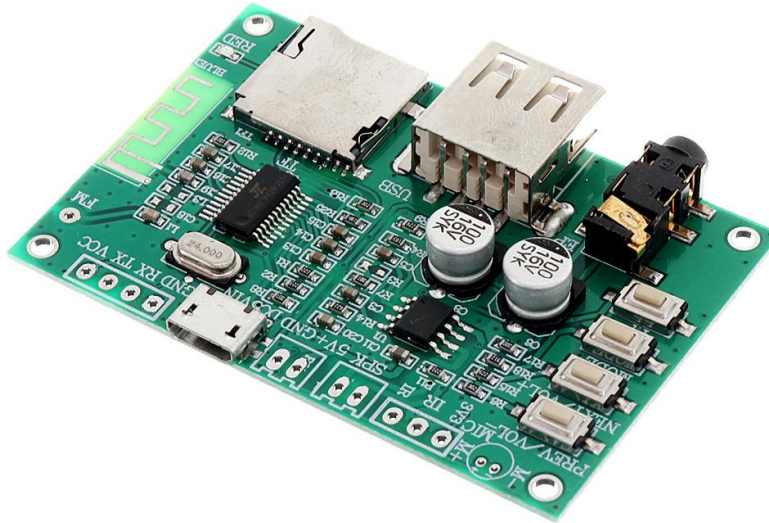


# BT-201 3W MP3 Bluetooth Digital Power Amplifier Module SPP Pass-Through MCU Transmission Module Support FM TF Card/U-Disk



## 1.Description:

BT-201 is a Mono MP3 Bluetooth Digital Power Amplifier Module. It support Bluetooth/U-disk/TF card audio input. Built-in 3W amplifier function, so user can connect speakers directly. Support select music and adjust volume.

## 2.Feature:

- 1>.Built-in 3W amplifier
- 2>.Support DC 5V input
- 3>.Industrial design stable and efficient
- 4>.Support BLE/SPP data transmission
- 5>.MP3 15meter lossless data transmission
- 6>.Support UART
- 7>.Support button adjust control
- 8>.Support U-disk(Max 128G)
- 9>.Support TF card(Max 128G)

## 3.Parameter:

- 1>.Model:BT-201
- 2>.Work voltage:DC 3.3V-5V
- 3>.Quiescent current:20mA
- 4>.Support file format:MP3/WAV/WMA/FLAC/AAC/APE
- 5>.UART interface:TTL level
- 6>.Baud rate:Adjustable
- 7>.Output power:4ohm 3W
- 8>.Operating Temperature:-20°C~85°C
- 9>.Operating Humidity:5%~95%RH
- 10>.Module Size:60\*40\*8mm

## 4.Button description:

- 1>.PREV/V-: Short press to select previous music.Long press to decrease volume.
- 2>.NEXT/V+: Short press to select next music.Long press to increase volume.
- 3>.MODE: Switch audio input type from Bluetooth,U-disk,TF card.
- 4>.PP: Play or Pause.

## 5.Function:

- 1>.Automatically generate Bluetooth MAC address.
- 2>.Support MP3/WAV/WMA/FLAC/AAC/APE file format decoding.
- 3>.Maximum support 128G U-disk and TF card.
- 4>.Support breakpoint memory and play memory.
- 5>.Support Bluetooth audio input.
- 6>.Support play/pause,switch previous/next music.
- 7>.Support phone call function.User can set cancel call.
- 8>.Support Answer/Hang up/Call back/Refuse for phone call.
- 9>.Support Bluetooth 5.0.
- 10>.Support HFP/A2DP/AVRCP/HSP/GAVDP/IOP/SPP/BLE.

- 11>.Maximum communication distance about 15meter.
- 12>.Frequency range 2.4GHz~2.480GHz.Class2 4dBm.

**6.UART description:**

- 1>.Baud rate:115200bps(User can set by command)
- 2>.Data bit:8bit
- 3>.Stop bit:1bit
- 4>.Check Digit:None
- 5>.Control flow:None
- 6>.Control command format: AT+<CMD>[<param>]rn
- 7>.Return data format: <IND>[<param>]rn
- 8>.AT+:The start of a control command.
- 9>.<CMD>:Specific control command.
- 10>.[<param>]:The parameter of CMD if need.
- 11>.rn:Enter and Wrap.
- 12>.<IND>:The start of return data.

