**AMPLIFIER**

1. **Adafruit MAX98357 I2S:**

* Input voltage: 5V
* Output power: 3.2W
* Input type: I2S
* Input voltage: 5V
* Output power: 1W
* Input type: Analog
* Input voltage: 5V-18V
* Output power: 1.8W
* Input type: Analog
* Features: Volume control, low power consumption
* Moderate-Power (suitable for small to medium speakers)

1. **Texas Instruments TPA3116D2**:

* Input voltage: 4.5V-18V
* Output power: Up to 50W (depending on speaker impedance)
* Input type: Analog
* Input voltage: 5V-24V
* Output power: Up to 30W (depending on speaker impedance)
* Input type: Analog, Bluetooth (optional)
* High-Power (suitable for larger speakers or demanding applications)

1. **Nobsound NS-10G Pro:**

* Input voltage: 5V-24V
* Output power: Up to 100W (depending on speaker impedance)
* Input type: Analog, Bluetooth
* Features: Tone control, bass/treble adjustment, protection circuits
* Douk Audio TPA3116:
* Input voltage: 9V-24V
* Output power: Up to 150W (depending on speaker impedance)
* Input type: Analog, Bluetooth, USB
* Features: Multiple input options, remote control