

## Daakro AK30

# Daakro AK30 Mini Bluetooth Amplifier Instruction Manual

Model: AK30

Brand: Daakro

## 1. INTRODUCTION

Thank you for choosing the Daakro AK30 Mini Bluetooth Amplifier. This compact and powerful 2.0 channel audio amplifier is designed to deliver high-fidelity sound to your passive speakers. Featuring multiple input options including Bluetooth, AUX, USB, and Optical, it offers versatile connectivity for various audio devices. This manual provides detailed instructions for setup, operation, and maintenance to ensure you get the best performance from your amplifier.

## 2. WHAT'S IN THE BOX

- 1 x AK30 Amplifier
- 1 x DC12V/5A Power Adapter
- 1 x USB Type-C Cable
- 1 x 3.5mm AUX Cable
- 1 x RCA to 3.5mm AUX Cable
- 1 x Type-C to USB Adapter
- 1 x Instruction Manual

# Adopt 1 PCS Texas Instruments TPA3116D2 Chips

Delivers lowest noise, distortion, clipping, very quiet



Image: All items included in the Daakro AK30 Mini Bluetooth Amplifier package.

### 3. PRODUCT FEATURES

- **High-Performance Audio:** Utilizes Texas Instruments TPA3116 chips for reliable performance, delivering 50W+50W maximum output power when paired with 4-ohm passive speakers. Achieves an SNR exceeding 92dB and THD below 0.04%, with a frequency range of 20Hz to 20kHz.
- **Compact and Durable Design:** Features a sturdy black alloy case with a minimalist design.
- **Intuitive Single-Knob Control:** All functions are integrated into one knob for easy operation:
  - Press and release: Play/Pause music.
  - Press and hold: Switch between input modes.
  - Rotate: Adjust volume.
- **Multiple Input Methods:** Supports Bluetooth, 3.5mm AUX, USB, and Optical (OPT) inputs for broad compatibility with devices like mobile phones, tablets, laptops, and MP3 players.
- **Wide Compatibility:** Compatible with various devices, though it does not support Amazon Echo, Alexa, or Bose speakers.

# QCC3040 Bluetooth 5.0 Chip

Enjoy low latency high-definition sound Bluetooth

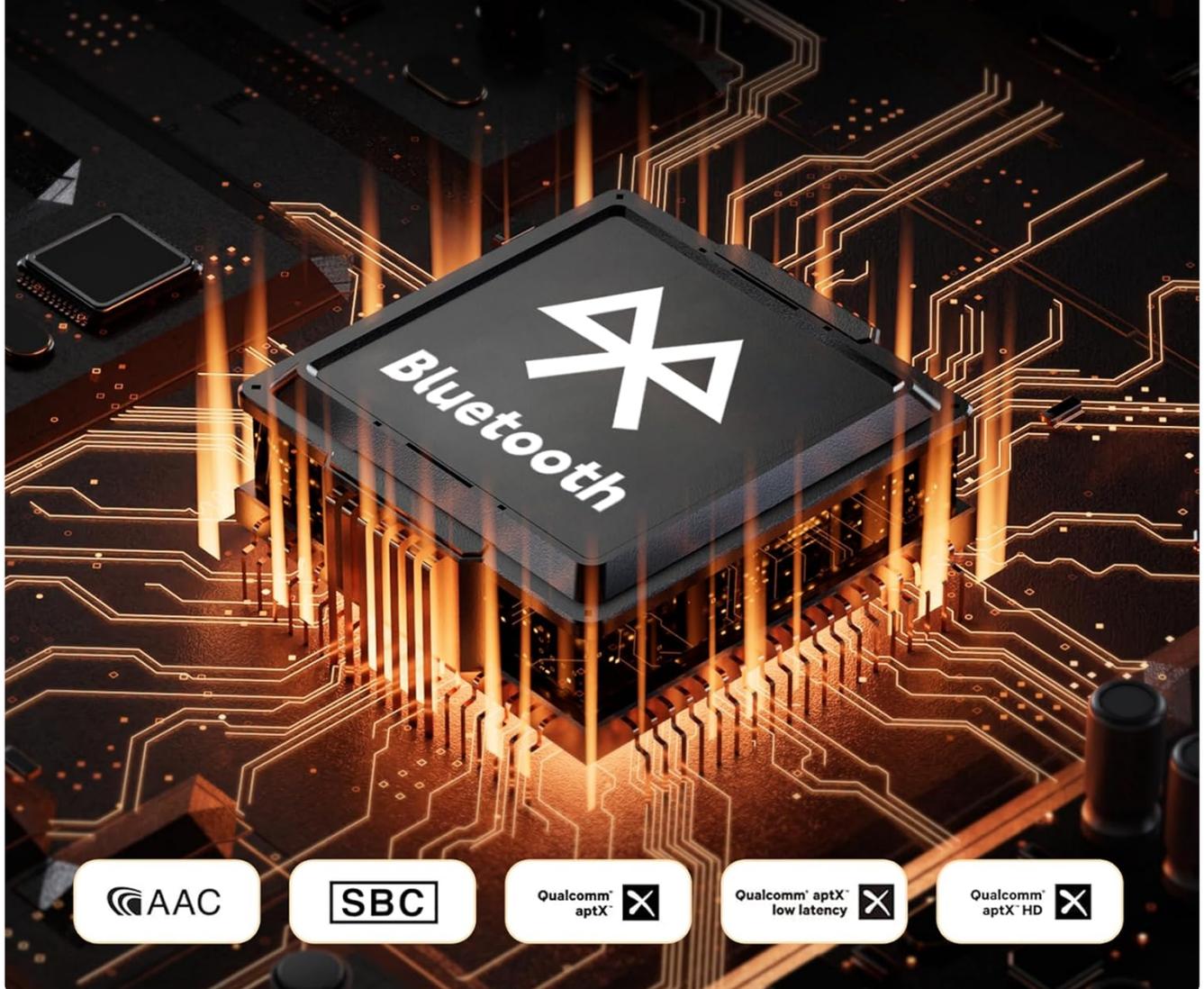


Image: Internal view highlighting the TPA3116D2 chip.

# Maximum Output Power **50W+50W**

Ideal for Your Passive Speakers



Image: Internal view highlighting the QCC3040 Bluetooth 5.0 chip.

## 4. SETUP

### 4.1 Connecting Speakers

The AK30 amplifier supports passive speakers. Connect your speakers to the binding posts on the rear of the amplifier. You can use either banana plugs or bare speaker wire. Ensure correct polarity (positive to positive, negative to negative) for optimal sound quality.



Outdoor/bookshelf passive speakers



Computer/desktop passive speakers



Ceiling passive speakers



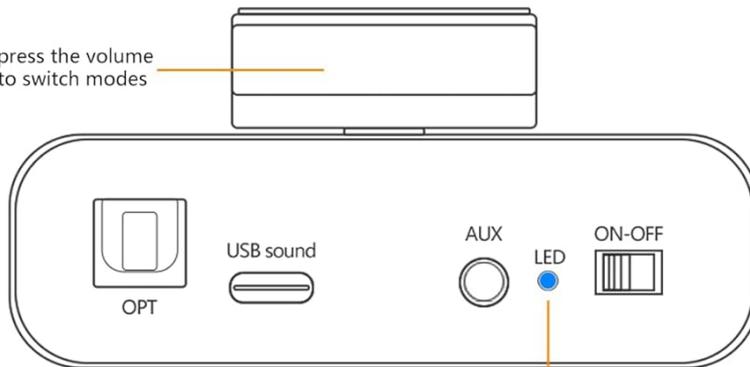
Image: Speaker connection options for the AK30 amplifier.

## 4.2 Power Connection

Connect the provided DC12V/5A power adapter to the 'DC9V-24V IN' port on the rear of the amplifier, then plug the adapter into a power outlet. The amplifier is designed for reliable performance with the included power supply.

## Bluetooth Mode

Long press the volume knob to switch modes

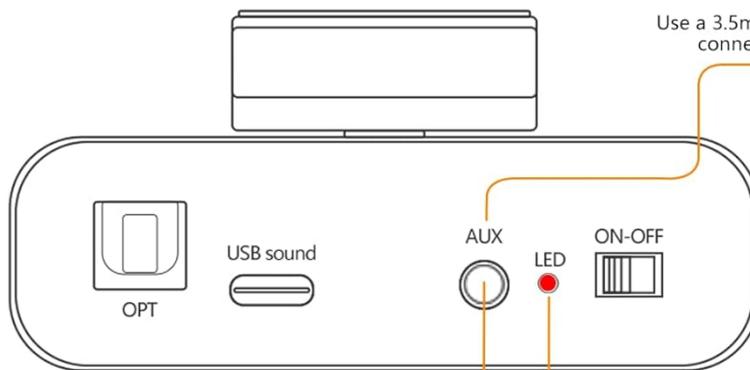


Indicator light turns blue



Use your mobile phone/computer/laptop to turn on the Bluetooth search: Daakro-01 to connect to it.

## AUX Mode



Automatically switches modes when plugged in

Indicator light turns red

Use a 3.5mm audio cable to connect to your device.



Image: Rear panel connections including power input.

### 4.3 Input Source Connection

The AK30 offers multiple input options:

- **Bluetooth:** For wireless connection from your smartphone, tablet, or laptop.
- **AUX:** Use the 3.5mm AUX cable to connect devices like MP3 players or older audio sources.
- **USB:** Connect a USB drive or a computer via the USB-C port for digital audio playback.
- **OPT:** Use an optical fiber cable for high-quality digital audio from TVs or other optical output devices.



Image: Front panel inputs and controls.

Video: Official Daakro AK30 Mini Audio Amplifier overview and setup guide. This video demonstrates the unboxing, connections, and basic operation of the amplifier with various input sources.

## 5. OPERATING INSTRUCTIONS

### 5.1 Multifunctional Knob

The single knob on the front panel controls all primary functions:

- **Rotate Left/Right:** Increases/Decreases volume. A beep sound indicates minimum/maximum volume.
- **Click (Press and Release):** Play/Pause music (available in Bluetooth & USB modes).
- **Long Press (Press and Hold):** Switch between input modes (Blue: Bluetooth, Red: AUX, Green: USB, Purple: OPT).

# Multifunctional Knob

Rotate left/right: increase/decrease volume  
(Beep when reaching min/max)

Double Click:Next song  
(Only On the Bluetooth & USB Mode Use)

Click:Play/Pause

Long Press:switch mode  
(Blue: Bluetooth Mode;  
Red: AUX Mode;  
Green: USB Mode;  
Purple: OPT Mode)



Image: Multifunctional knob controls.

## 5.2 Bluetooth Mode

Long press the volume knob to switch to Bluetooth mode (indicator light turns blue). On your device (phone, computer, laptop), search for "Daakro-01" in Bluetooth settings and connect.

## 5.3 AUX Mode

Plug a 3.5mm audio cable into the AUX input. The amplifier automatically switches to AUX mode (indicator light turns red) when a cable is detected.

## 5.4 USB Mode

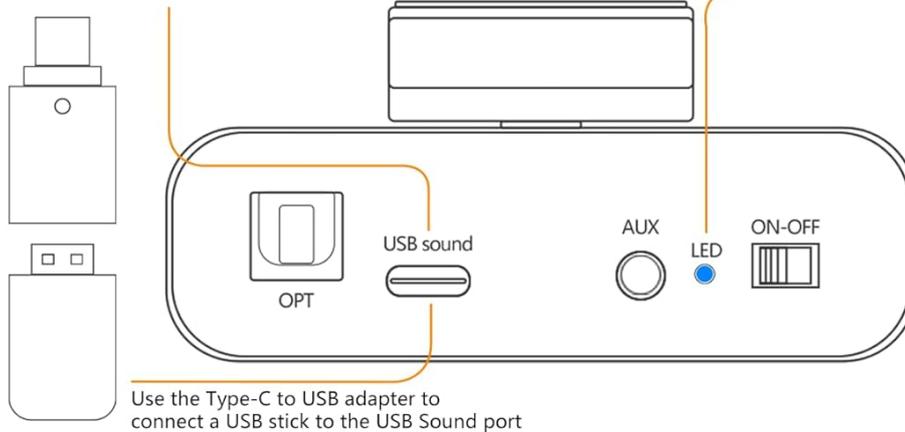
Connect a USB stick directly or use the Type-C to USB adapter to connect a USB device to the USB Sound port. The amplifier automatically switches to USB mode (indicator light turns green).

## 5.5 OPT Mode

Press and hold the volume knob to switch to OPT mode (indicator light turns purple). Connect an optical fiber cable to the OPT input.

## USB Mode

Automatically switches mode when plugged in



## OPT Mode

Press and hold the volume knob to switch modes

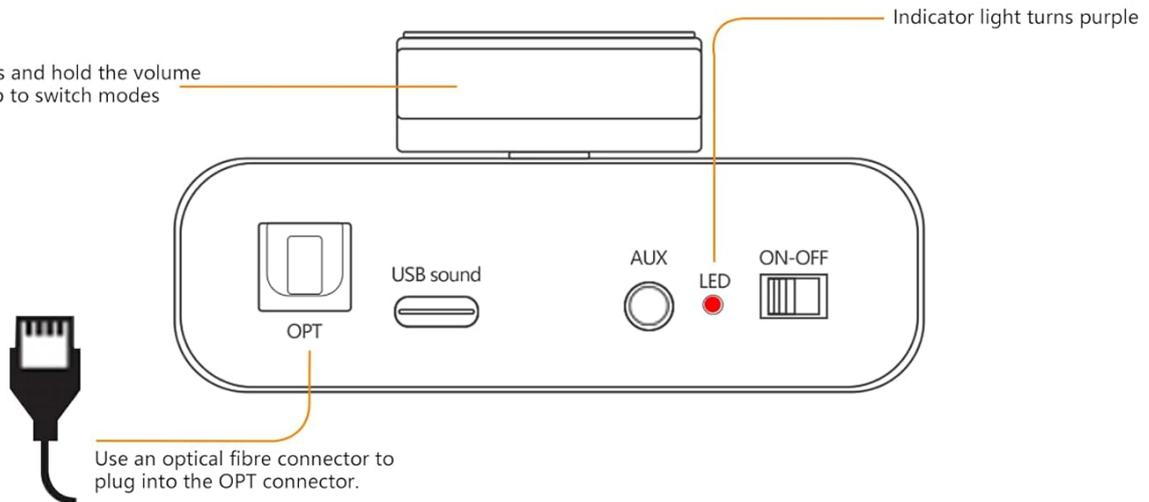


Image: USB and OPT mode connections.

## 6. SPECIFICATIONS

Feature	Specification
Brand	Daakro
Model Number	AK30
Number of Channels	2
Output Power	100 Watts (50W+50W @ 4Ω)
Voltage	12 Volts (DC)
Maximum Supply Voltage	12 Volts (DC)

Minimum Supply Voltage	12 Volts (DC)
Material	Alloy
Mounting Type	Freestanding
Item Weight	1.15 pounds
Package Dimensions	6.57 x 6.3 x 2.52 inches



Image: Power output table.

## 7. TROUBLESHOOTING

### • No Sound:

- Ensure the power adapter is securely connected and the amplifier is turned on.
- Check all audio cables for secure connections and correct polarity.
- Verify the correct input mode is selected on the amplifier (indicated by LED color).
- Increase the volume on both the amplifier and your audio source device.
- Ensure speakers are properly connected and functional.

### • Bluetooth Connection Issues:

- Ensure the amplifier is in Bluetooth mode (blue LED).
- Keep your device within 32ft/10m of the amplifier (6.5ft/2m for PC devices) without obstructions.
- Forget "Daakro-01" from your device's Bluetooth list and try pairing again.
- Restart both the amplifier and your Bluetooth device.

### • Distorted Sound:

- Reduce the volume on both the amplifier and the audio source.
- Check speaker connections for loose wires or incorrect polarity.
- Ensure the audio source is not sending an overdriven signal.

### • Intermittent Audio:

- Check for loose cable connections.

- For Bluetooth, ensure no interference from other wireless devices and maintain close proximity.

## 8. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the amplifier's exterior. Avoid using liquid cleaners or solvents.
- **Ventilation:** Ensure the amplifier has adequate ventilation to prevent overheating. Do not block any vents.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the unit with care to avoid physical damage.

## 9. WARRANTY AND SUPPORT

The Daakro AK30 Mini Bluetooth Amplifier comes with a **30-day refund/replacement policy**. For any product inquiries, technical assistance, or warranty claims, please contact Daakro customer support. Our team is dedicated to providing online customer service and ensuring 100% customer satisfaction.

For further assistance, please visit the [Daakro Store](#).