

## Douk Audio M1 MAX

# DoukAudio M1 MAX Amplifier User Manual

Model: M1 MAX | Brand: Douk Audio

## INTRODUCTION AND OVERVIEW

The DoukAudio M1 MAX is a high-performance 2-channel Bluetooth amplifier designed to deliver powerful and clear audio for your home stereo system. Featuring a TPA3255 amp chip, it provides up to 300W per channel, ensuring robust sound delivery to your speakers. With Bluetooth 5.1 and aptX HD support, it offers high-fidelity wireless audio streaming. Its versatile input options, including RCA and USB, along with adjustable bass and treble controls, allow for a customized listening experience. The compact and durable design, crafted from aluminum alloy with gold-plated terminals, ensures both longevity and superior sound transmission.



Image: Front view of the DoukAudio M1 MAX Amplifier, showcasing its compact black aluminum chassis, control knobs, and antenna.

# TPA3255 Amplifier Chip

Delivers max 300W per channel with side and bottom vents ensuring optimal heat dissipation.



Image: Diagram illustrating the TPA3255 amplifier chip, highlighting its capability to deliver up to 300W per channel with efficient heat dissipation through side and bottom vents.

## WHAT'S IN THE BOX

Upon unboxing your DoukAudio M1 MAX Amplifier, please verify that all the following components are included:

- 1 x M1 MAX Amplifier
- 1 x DC 32V/5A Power Adapter
- 1 x Bluetooth Antenna
- 1 x User Manual

# PACKING LIST

What's in the Box ?

Net Weight  
800g/1.76lb

Package Weight  
1.50kg/3.31lb



1x M1 MAX Amplifier



1x Bluetooth Antenna



1x DC 32V/5A Power Adapter



1x User Manual

Image: Visual representation of the M1 MAX amplifier and its included accessories: power adapter, Bluetooth antenna, and user manual.

## SETUP GUIDE

Follow these steps to set up your DoukAudio M1 MAX Amplifier:

- 1. Connect Speakers:** Connect your passive stereo speakers to the speaker output terminals on the rear of the amplifier. Ensure correct polarity (positive to positive, negative to negative).
- 2. Connect Audio Source:**
  - **RCA Input:** Connect your audio source (e.g., CD player, TV, pre-amplifier) to the RCA input jacks on the rear panel using RCA cables.
  - **USB Input:** Insert a USB flash drive containing audio files into the USB port on the front panel.
  - **Bluetooth:** Ensure the Bluetooth antenna is securely attached to the rear panel.
- 3. Connect Power:** Connect the provided DC 32V/5A power adapter to the DC 24V-48V IN port on the rear of the amplifier, then plug the adapter into a wall outlet.



4. **Optional Subwoofer/Amp Connection:** If you wish to connect an active subwoofer or another amplifier for a 2.1-channel system, use the 3.5mm AUX output on the rear panel.



Image: Detailed diagram of the amplifier's front and rear panels, labeling all inputs, outputs, and controls for easy connection and operation.

# Added 3.5mm AUX output

Can connect to build 2.1 or multi-channel audio system



Image: Close-up view of the 3.5mm AUX output on the amplifier's rear panel, indicating its use for connecting to a 2.1 or multi-channel audio system.

## OPERATING INSTRUCTIONS

Learn how to operate your M1 MAX amplifier for optimal audio performance:

- 1. Power On/Off and Volume Control:** The power switch is integrated with the volume knob. Rotate the volume knob clockwise to turn on the amplifier and increase volume. Rotate counter-clockwise to decrease volume and turn off.
- 2. Input Selection:** Use the input select switch on the front panel to cycle between BT (Bluetooth), USB, and RCA inputs. The corresponding input indicator LED will illuminate.
- 3. Bluetooth Pairing:**
  - Switch the input to BT. The Bluetooth indicator will blink, indicating it's in pairing mode.
  - On your device (smartphone, tablet, computer), search for Bluetooth devices and select "DoukAudio M1 MAX".
  - Once paired, the Bluetooth indicator will remain solid.

- To reset Bluetooth connection, press and hold the Bluetooth reset button (if available, or cycle power).

4. **USB Playback:** When a USB flash drive is inserted and USB input is selected, the amplifier will automatically play supported audio files. Use the "PREV", "P/P" (Play/Pause), and "NEXT" buttons for media control.

5. **Tone Controls:**

- **Bass Knob:** Adjusts the low-frequency output. Rotate clockwise to increase bass, counter-clockwise to decrease.
- **Treble Knob:** Adjusts the high-frequency output. Rotate clockwise to increase treble, counter-clockwise to decrease.
- Both bass and treble knobs allow for  $\pm 6\text{dB}$  adjustment.



Image: Illustration of the QCC304X Bluetooth chip and the Bluetooth reset function, emphasizing stable and optimized wireless audio.



# Multiple inputs and adjustment

Supports Bluetooth 5.1/RCA/U-disk inputs,  
plus adjustable bass and treble knobs.



Image: Depiction of the amplifier's multiple input options (Bluetooth 5.1, RCA, U-disk) and the adjustable bass and treble knobs for sound customization.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your amplifier:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the amplifier. Avoid using liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the amplifier is placed in a well-ventilated area. Do not block the side and bottom vents, as these are crucial for heat dissipation.
- **Storage:** When not in use for extended periods, store the amplifier in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.



# High-quality audio components

Durable, stylish, and high-performance, ideal for audiophiles



Image: Close-up views of the amplifier's internal and external components, including solid aluminum knobs, gold-plated terminals, aluminum alloy chassis, full copper shielded inductors, Japanese Rubycon capacitors, and a Taiwan fully enclosed potentiometer, indicating durable and high-quality construction.

## TROUBLESHOOTING

If you encounter issues with your M1 MAX amplifier, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Sound Output	<ul style="list-style-type: none"><li>• Power not connected or turned on.</li><li>• Incorrect input selected.</li><li>• Speaker cables loose or incorrectly connected.</li><li>• Volume too low.</li><li>• Audio source issue.</li></ul>	<ul style="list-style-type: none"><li>• Ensure power adapter is connected and volume knob is turned on.</li><li>• Verify the correct input (BT, USB, RCA) is selected.</li><li>• Check all speaker wire connections for proper polarity and secure fit.</li><li>• Increase the volume.</li><li>• Test with a different audio source or cable.</li></ul>
Bluetooth Disconnection or Pairing Issues	<ul style="list-style-type: none"><li>• Device too far from amplifier.</li><li>• Interference from other devices.</li><li>• Previous pairing conflict.</li></ul>	<ul style="list-style-type: none"><li>• Move your Bluetooth device closer to the amplifier.</li><li>• Minimize other wireless devices nearby.</li><li>• Reset Bluetooth on the amplifier and your device, then re-pair.</li></ul>
Distorted Sound	<ul style="list-style-type: none"><li>• Volume too high (clipping).</li><li>• Improper speaker impedance.</li><li>• Poor audio source quality.</li></ul>	<ul style="list-style-type: none"><li>• Reduce the volume.</li><li>• Ensure your speakers' impedance matches the amplifier's recommended range (4-8 Ohms).</li><li>• Try a different audio source or higher quality audio files.</li></ul>

## SPECIFICATIONS

Detailed technical specifications for the DoukAudio M1 MAX Amplifier:

- **Product Dimensions:** 4.92 x 6.1 x 1.65 inches
- **Item Weight:** 1.76 Pounds
- **Model Number:** M1 MAX
- **Manufacturer:** Douk Audio
- **Country of Origin:** China
- **Voltage:** 32 Volts (DC)
- **Maximum Supply Voltage:** 48 Volts (DC)
- **Minimum Supply Voltage:** 24 Volts (DC)
- **Amplifier Chip:** TPA3255
- **Bluetooth Version:** 5.1 with QCC304X chip
- **Bluetooth Codecs:** aptX/aptX HD supported
- **Audio Inputs:** Bluetooth, RCA, USB (U-disk)
- **Audio Outputs:** Speaker output (2-channel), 3.5mm AUX output (for active subwoofer/amp)
- **Tone Control:** Bass and Treble (±6dB adjustment)

## Rated Output Power Table

Power Supply	Speaker Impedance	Rated Output Power
32V/5A	4Ω	78W+78W
32V/5A	6Ω	71W+71W

Power Supply	Speaker Impedance	Rated Output Power
32V/5A	8Ω	65W+65W
36V/6A	4Ω	107W+107W
36V/6A	6Ω	100W+100W
36V/6A	8Ω	94W+94W
48V/5A	4Ω	120W+120W
48V/5A	6Ω	110W+110W
48V/5A	8Ω	102W+102W
48V/10A	4Ω	250W+250W
48V/10A	6Ω	210W+210W
48V/10A	8Ω	185W+185W

WARRANTY AND SUPPORT


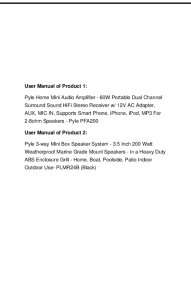
Douk Audio products are designed for reliability and performance. For warranty information and technical support, please refer to the official Douk Audio website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.





**Manufacturer:** Douk Audio

**Website:** [www.doukaudio.com](http://www.doukaudio.com) (Please note: This is a placeholder URL as the exact support URL was not provided in the input. Refer to your product packaging or official documentation for precise contact information.)

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Related Documents - M1 MAX

	<p><a href="#">Fosi Audio DA-2120C User Manual: Hi-Fi Stereo Amplifier Guide</a></p> <p>Comprehensive user manual for the Fosi Audio DA-2120C, a 120W x2 Hi-Fi 2.1 channel Bluetooth amplifier with USB, Optical, Coaxial, and RCA inputs. Learn about setup, connections, remote control, and troubleshooting.</p>
	<p><a href="#">Pyle Home Audio Amplifier &amp; Wall Mount Speakers User Manual</a></p> <p>Comprehensive user manual for Pyle Home Mini Audio Amplifier (PFA200) and Pyle 3.5" Wall Mount Home Speakers (PLMR24B, PLMR24, PLMR24S), covering features, specifications, and installation instructions for optimal sound.</p>

	<p><a href="#">AIYIMA D05 Bluetooth 5.0 Digital Amplifier User Manual   AIYIMA AUDIO</a></p> <p>AIYIMA D05 Bluetooth 5.0 Digital Amplifier User Manual: Get detailed instructions on setup, operation, specifications, and troubleshooting for your AIYIMA D05 2.0/2.1 channel stereo HiFi amplifier. Covers front/rear panel layout, remote functions, PC-USB connectivity, sound settings, and FAQs.</p>
	<p><a href="#">Fosi Audio BT10A User Manual - Hi-Fi Bluetooth Amplifier</a></p> <p>User manual for the Fosi Audio BT10A, a 50W x 2 Hi-Fi wireless stereo 2-channel amplifier with Bluetooth 5.0 and bass/treble control. Includes product specifications, setup guide, troubleshooting, and warranty information.</p>
	<p><a href="#">Fosi Audio DA-2120C User Manual: Hi-Res Bluetooth Amplifier Setup &amp; Troubleshooting</a></p> <p>Comprehensive user manual for the Fosi Audio DA-2120C 2.1 channel Hi-Res amplifier. Learn about product specifications, setup, connections (Bluetooth, USB, Optical, Coaxial, RCA), remote control, and troubleshooting tips.</p>
	<p><a href="#">Fosi Audio BT30D PRO Bluetooth Power Amplifier User Guide</a></p> <p>Comprehensive user guide for the Fosi Audio BT30D PRO Bluetooth 5.0 power amplifier, detailing product overview, specifications, quick setup, troubleshooting tips, and warranty information.</p>

Documents - Douk Audio – M1 MAX

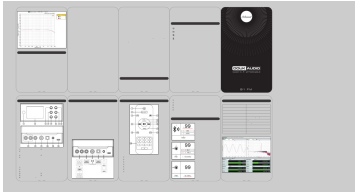


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[\[pdf\]](#) User Manual Frequently Asked Questions

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FAQ Q: Why are all cables connected but there is no sound A: 1. Check if the B1-FM is powered on, if the screen is light up and the correct input channel is selected. 2. Check if the back-end connection is correct and the volume is set to minimum. 3. If both are normal, please check whether the aud...

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