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### Girftu JM6 Pro

# JCALLY JM6 Pro USB C to 3.5mm Dual DAC Audio Adapter User Manual

Model: JM6 Pro | Brand: Girftu

## 1. INTRODUCTION

The JCALLY JM6 Pro is a portable digital audio adapter designed to convert a USB Type-C port to a 3.5mm audio jack. It integrates dual DAC (Digital-to-Analog Converter) chips, specifically the CX31993 and MAX97220, to deliver high-fidelity audio output. This adapter is intended for use with various devices lacking a dedicated 3.5mm audio output, enabling connection of traditional headphones or audio systems.

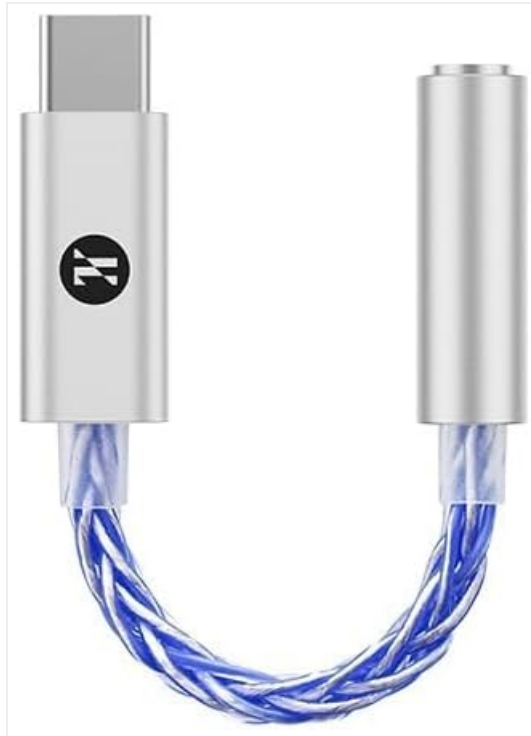


Image 1.1: The JCALLY JM6 Pro USB C to 3.5mm Dual DAC Audio Adapter, featuring a silver Type-C connector, a braided silver-blue cable, and a silver 3.5mm audio jack.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **Dual DAC Chipset:** Equipped with CX31993 and MAX97220 chips for enhanced audio processing.
- **High-Resolution Audio Support:** Supports PCM audio up to 32 bits/384 kHz.
- **Superior Audio Performance:** Features a Signal-to-Noise Ratio (SNR) of 124dB, THD+N of -95dB, and Crosstalk Suppression of -110dB.
- **Durable Construction:** Features a 3D curved aluminum casting and a 5N OFC silver-plated cable for improved signal transmission and durability.
- **Wide Compatibility:** Compatible with various USB Type-C devices including smartphones, tablets, and computers.

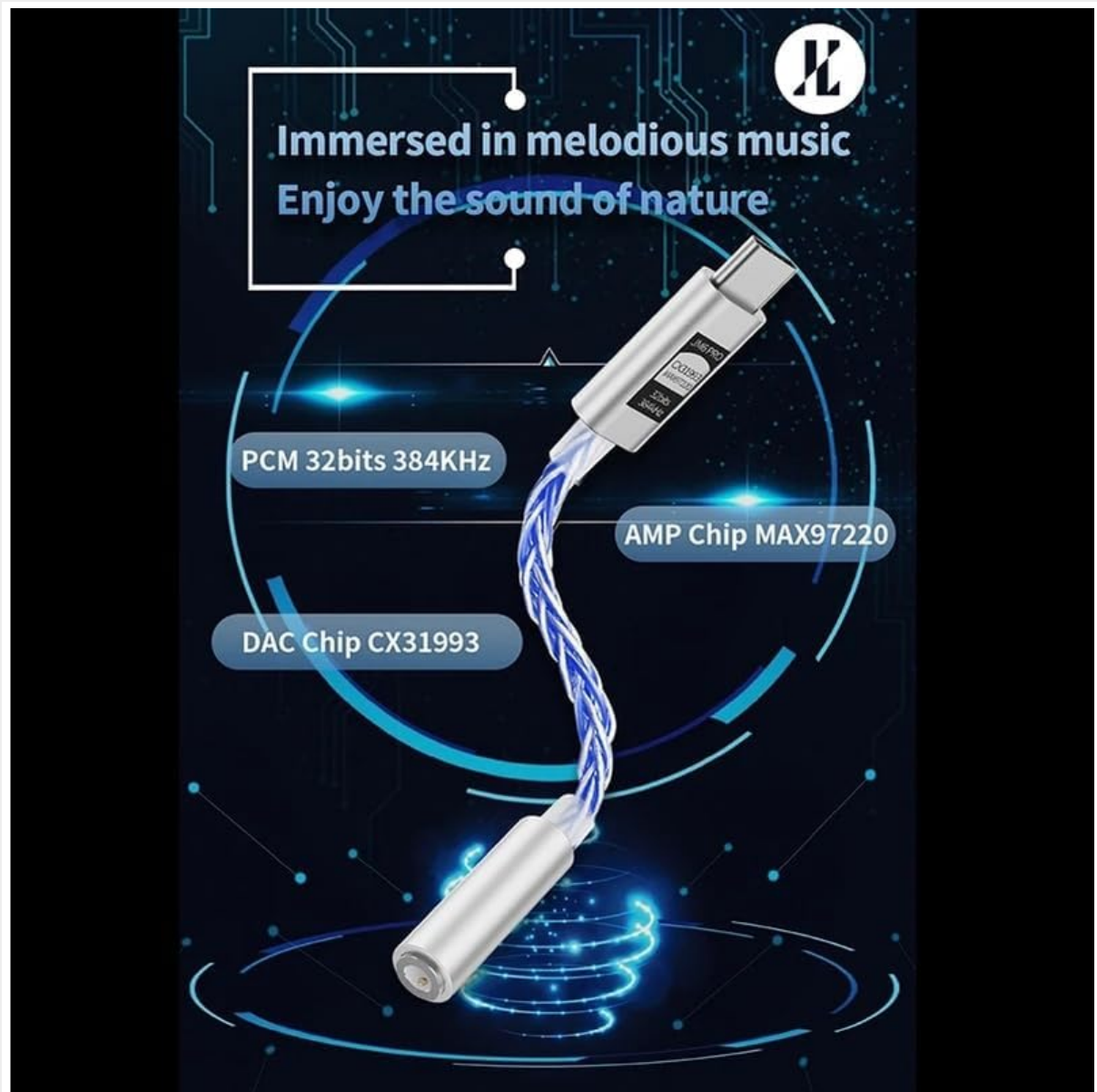


Image 2.1: Diagram illustrating the internal components of the JM6 Pro, highlighting the DAC Chip CX31993 and AMP Chip MAX97220, and its support for PCM 32bits 384KHz audio.

## 2.2 Package Contents

The package typically includes:

- 1 x JCALLY JM6 Pro USB C to 3.5mm Dual DAC Audio Adapter
- User Manual (this document)

## 3. SETUP INSTRUCTIONS

The JCALLY JM6 Pro adapter is designed for plug-and-play functionality, requiring no additional drivers for most compatible devices.

1. **Connect to Source Device:** Insert the USB Type-C connector of the JM6 Pro adapter into the USB Type-C port of your smartphone, tablet, laptop, or other compatible device.



Image 3.1: Diagram illustrating the wide compatibility of the JM6 Pro, showing connection to phones, computers, and tablets via the Type-C connector.

2. **Connect Audio Device:** Plug your 3.5mm headphones, earphones, or other audio equipment into the 3.5mm audio jack of the JM6 Pro adapter.  
Ensure the 3.5mm connector is fully inserted into the adapter's port to establish a secure connection.
3. **Device Recognition:** Your device should automatically recognize the JM6 Pro as an external audio output device. Audio will now be routed through the adapter.

**Compatible Devices include:** iPhone 15 series (15, 15 Plus, 15 Pro, 15 Pro Max), Samsung Galaxy S series (S22, S22+, S22 Ultra, S21, S21+, S21 Ultra, S20 Ultra, S20, S20+, S10, S9, S8 Plus), Note series (20, 10+, 9, 8), iPad Pro, iPad mini 6, MacBook, Google Pixel series (4, 3, 2 XL), Huawei Mate series (30, 20, 10 Pro), P series (30, 20), OnePlus (6T, 7, 7Pro), and other Android devices with a USB Type-C port.

## 4. OPERATING INSTRUCTIONS

Once connected, the JM6 Pro adapter functions as a direct audio output.

- **Volume Control:** Adjust the audio volume directly using the volume buttons on your connected source device (smartphone, tablet, laptop). The adapter does not have independent volume controls.

- **Audio Playback:** Play audio content (music, videos, calls) as you normally would on your device. The sound will be output through the headphones connected to the JM6 Pro.
- **Microphone Support:** If your connected 3.5mm headphones include a microphone, it should function normally through the adapter, allowing for calls and voice commands.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your JCALLY JM6 Pro adapter, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the adapter. Avoid using liquid cleaners or abrasive materials.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid bending or twisting the cable excessively, especially near the connectors, to prevent internal damage. Do not pull the adapter out by the cable; always grasp the connector housing.
- **Moisture:** Keep the adapter away from water and high humidity to prevent damage to electronic components.



Image 5.1: Close-up of the JM6 Pro's 5N OFC silver-plated cable, designed for improved low-frequency response and lossless audio transmission.

## 6. TROUBLESHOOTING

If you encounter issues with your JCALLY JM6 Pro adapter, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No sound output.	<ul style="list-style-type: none"><li>◦ Adapter not fully connected.</li><li>◦ Headphones not fully connected.</li><li>◦ Device volume is too low or muted.</li><li>◦ Incorrect audio output selected on the device.</li><li>◦ Incompatible device.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure both the USB-C and 3.5mm connectors are securely plugged in.</li><li>◦ Increase the volume on your source device.</li><li>◦ Check your device's audio settings to confirm the JM6 Pro is selected as the output.</li><li>◦ Verify your device is listed as compatible.</li></ul>
Sound is distorted or crackling.	<ul style="list-style-type: none"><li>◦ Loose connection.</li><li>◦ High volume levels causing clipping.</li><li>◦ Interference.</li><li>◦ Faulty audio file or streaming quality.</li></ul>	<ul style="list-style-type: none"><li>◦ Re-seat both connectors.</li><li>◦ Lower the volume on your device.</li><li>◦ Test with different audio sources or files.</li><li>◦ Try the adapter with another compatible device to isolate the issue.</li></ul>
Headphone microphone not working.	<ul style="list-style-type: none"><li>◦ Headphones not fully connected.</li><li>◦ Incorrect microphone input selected on the device.</li><li>◦ Incompatible headphone microphone.</li></ul>	<ul style="list-style-type: none"><li>◦ Ensure the 3.5mm connector is fully inserted.</li><li>◦ Check your device's sound settings to ensure the external microphone is selected.</li><li>◦ Test with another pair of headphones with a known working microphone.</li></ul>

## 7. SPECIFICATIONS

Detailed technical specifications for the JCALLY JM6 Pro audio adapter:

<b>Product Name</b>	JM6 Pro Audio Adapter
<b>Brand</b>	Girtu (JCALLY)
<b>Model Number</b>	A0519
<b>DAC Chip</b>	Conexant CX31993
<b>AMP Chip</b>	MAX97220
<b>PCM Support</b>	Up to 32 bits/384 kHz
<b>Signal-to-Noise Ratio (SNR)</b>	>124 dB
<b>Dynamic Frequency</b>	>111 dB
<b>THD+N</b>	-95 dB

<b>Crosstalk Suppression</b>	-110 dB
<b>Frequency Response (FR)</b>	20 Hz - 40 KHz
<b>Output Voltage</b>	60mW @32Ω, 7.4mW @600Ω
<b>Conductor</b>	8 core silver plated fashion cable
<b>Length</b>	Approximately 110mm ± 10mm
<b>Weight</b>	6.0g ± 0.5g
<b>Color Options</b>	Silver Blue, Silver Red

## Specification

Brand	JCALLY
Product name	JM6 PRO audio adapter
DAC chip	Conexant CX31993
AMP chip	MAX97220
PCM	32bits 384KHz
SNR	>124dB
Dynamic frequency	>111dB
Crosstalk	-110dB
Distortion	-95dB
FR	20Hz-40KH
Output voltage	60mW @32,7.4mW@600Ω
Conductor	8 core silver plated fashion cable
Color	Silver blue、 Silver red
Length	110mm±10mm
Weight	6g



Image 7.1: A visual representation of the JM6 Pro's key specifications, including DAC/AMP chips, PCM support, and physical dimensions.

## 8. WARRANTY AND SUPPORT

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Specific warranty information for the Girftu JCALLY JM6 Pro is not provided in the product details. For warranty claims or technical support, please refer to the retailer or manufacturer's official website where the product was purchased. Keep your proof of purchase for any potential claims.