

Girftu JM7 MAX

Girftu JCALLY JM7 MAX USB-C to 3.5mm Headphone DAC Amplifier Instruction Manual

Model: JM7 MAX

INTRODUCTION

The JCALLY JM7 MAX is a high-fidelity USB-C to 3.5mm Digital-to-Analog Converter (DAC) and headphone amplifier. It is designed to bypass your device's internal audio processing, providing superior sound quality for a wide range of compatible devices. This manual provides instructions for setup, operation, and maintenance of your JM7 MAX.



Image: The JCALLY JM7 MAX DAC amplifier, featuring a silver USB-C connector and a braided silver-copper cable leading to a 3.5mm jack.

KEY FEATURES

- **Hi-Res Audio Support:** Equipped with CX31993 + SGM8262 DAC chips, supporting up to 32-bit/384kHz PCM and DSD256 for studio-grade audio.
- **Dual-Chip Architecture:** Utilizes a Conexant CX31993 DAC chip and an SGM8262 amplifier chip for exceptional signal-to-noise ratio and ultra-low total harmonic distortion (<0.0009%).
- **Universal USB-C Compatibility:** Plug-and-play functionality with iPhone (iOS 17+), Samsung Galaxy S24/S23, Google Pixel, iPad Pro/Air (USB-C models), MacBook, Steam Deck, and most USB-C Android devices.
- **External Audio Processing:** Bypasses the phone's internal audio chip, acting as an external sound card to enhance clarity, bass depth, and soundstage.
- **Premium Build Quality:** CNC-machined aluminum alloy housing for durability and heat dissipation.
- **Integrated Functions:** Supports inline microphone control (on compatible devices), music playback, voice calling,

and live broadcasting.

- **High-Quality Cable:** Features a premium 8-strand 448-core silver-copper hybrid cable for near-zero signal loss and enhanced resolution.

DUAL-CHIP ARCHITECTURE REFERENCE-CLASS HI-FI PERFORMANCE

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JM7MAX utilizes the Conexant CX31993 DAC chip, supporting PCM sampling rates up to 32-bit/384kHz. Powerfully equipped with the SGM8262 amplifier chip, it delivers exceptional driving capability for high-resolution audio reproduction. Experience authoritative low-end response and enhanced vocal clarity. For recording, a high-definition ADC chip supports 24-bit/96kHz capture. Comprehensive functionality includes music playback, inline controls, voice calling, and live broadcasting.

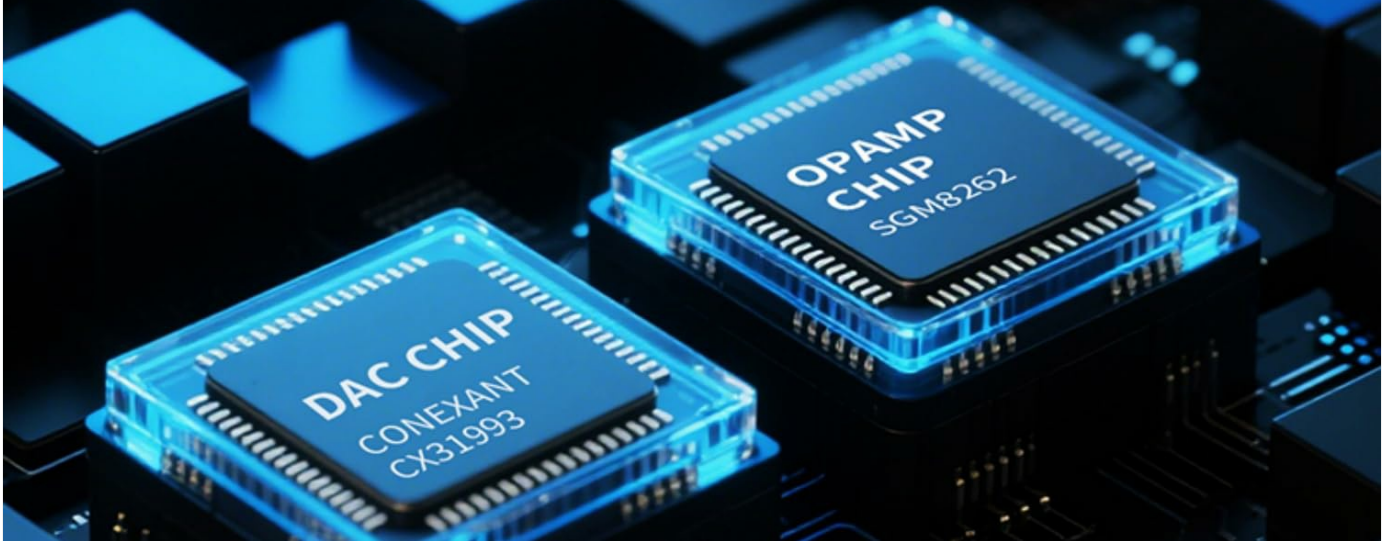


Image: Diagram illustrating the dual-chip architecture of the JM7 MAX, highlighting the Conexant CX31993 DAC chip and the SGM8262 OPAMP chip for high-fidelity audio performance.

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CIRCUIT-SOUND SYNERGY: SUPERIOR PCB ENGINEERING DIRECTLY GOVERNS A PORTABLE DAC/AMP'S SONIC PERFORMANCE. JM7MAX'S HI-FI CIRCUITRY ENSURES PRECISION CLOCKING AND HIGH-CURRENT DRIVE, DELIVERING FLAGSHIP-GRADE DYNAMICS WITH FOCUSED TRANSIENT RESPONSE.

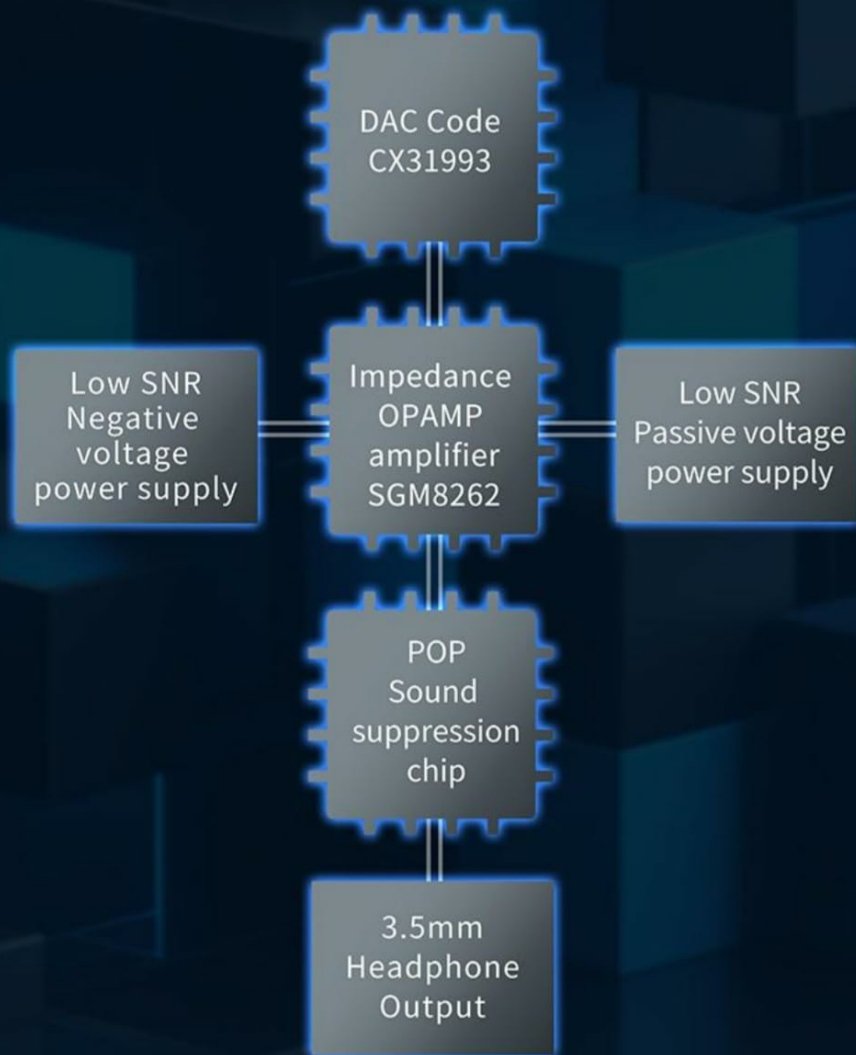


Image: A block diagram showing the internal circuit synergy of the JM7 MAX, detailing the signal path from the CX31993 DAC code through the SGM8262 OPAMP amplifier to the 3.5mm headphone output, including power supply components.

DUAL-CHIP VISIBILITY ENTHUSIAST HARDWARE FULLY VISUALIZED

DAC CHIP CX31993

OPAMP Chip SGM8262



Image: A close-up view of the internal components of the JM7 MAX, clearly showing the CX31993 DAC chip and the SGM8262 OPAMP chip, emphasizing the dual-chip design.

PATENT APPEARANCE DESIGN

VISUAL CONFIGURATION
WITH LIVE PREVIEW



**ENTHUSIAST-GRADE
SETUP**
HIGH-RESOLUTION AUDIO &
POWERFUL DECODING



WIDELY COMPATIBLE
TYPE-C CONNECTORS DEVICE



LUXURIOUS WIRE
SILVER COOPER
8 CORE 448 COILS



PREMIUM MATERIALS
PRECISION-MACHINED
ALUMINUM WITH FINE
BLASTED ANODIZED FINISH

Image: A collage highlighting various aspects of the JM7 MAX, including its patent appearance design, enthusiast-grade high-resolution audio setup, wide compatibility with Type-C devices, premium precision-machined aluminum alloy materials, and luxurious 8-core 448-coil silver-copper wire.

JCALLY JM7MAX DAC ADAPTER

**ENGINEERED TO PERFECTION
NEAR-ZERO SIGNAL LOSS
PREMIUM 8-STRAND 448-CORE
SILVER-COPPER HYBRID CABLE**

**ENHANCED RESOLUTION | RICH
DETAIL | QILIN SPIRAL DESIGN**

The JM7MAX employs silver-plated conductors with ultra-low dielectric loss and optimized characteristic impedance. This preserves square wave signal integrity during digital audio transmission significantly reducing jitter and improving decoding accuracy. Result: Audio signals are processed with unprecedented precision by the DAC dongle, reproducing sound with exceptional authenticity. Uncompromising Materials for Near-Zero Loss. Flexible, durable, and interference-resistant. Chasing theoretical perfection in signal transmission.



Image: A detailed view of the JM7 MAX's premium 8-strand 448-core silver-copper hybrid cable, designed for enhanced resolution and near-zero signal loss.

PACKAGE CONTENTS

Upon opening the package, verify that all items are present:

- 1 x JCALLY JM7 MAX DAC Amplifier
- 1 x USB Adapter (Type-C to USB-A, for computer connection)
- 1 x Warranty Card
- 1 x Dust-proof Liner Paper



Image: The JM7 MAX packaging, showing the DAC amplifier, a USB adapter, warranty card, and dust-proof liner paper neatly arranged within a precision-crafted box.

SETUP INSTRUCTIONS

The JM7 MAX is designed for plug-and-play operation, requiring no additional drivers for most compatible devices.

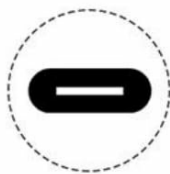
1. **Connect Headphones:** Plug your 3.5mm headphones or earphones into the 3.5mm audio jack of the JM7 MAX.
2. **Connect to Device:**
 - For USB-C devices (phones, tablets, laptops): Insert the USB-C connector of the JM7 MAX directly into your device's USB-C port.
 - For computers with USB-A ports: Use the provided USB adapter. Connect the JM7 MAX's USB-C end to the adapter, then plug the adapter's USB-A end into your computer's USB-A port.
3. **Device Recognition:** Your device should automatically recognize the JM7 MAX as an external audio output device. You may need to select it as the default audio output in your device's sound settings.
4. **iOS Specific Note:** For iPhone users, ensure your device is running iOS 17 or newer for full audio output support.

PLUG AND PLAY POWERFUL FUNCTIONS

FOR TYPE-C CONNECTOR PHONE
TABLET/COMPUTER



SUPPORT GAME/MUSIC/LIVE STREAMING
PHONE CALL/MICROPHONE/RECORDING



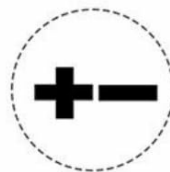
Type-C device



HIFI audiophile
sound



Support
phone call



Support
mic



Stable
compatible



Support
recording

Image: The JM7 MAX connected to a smartphone via its USB-C port, demonstrating its plug-and-play functionality for various audio tasks including music, gaming, and calls.

OPERATING INSTRUCTIONS

Once connected, the JM7 MAX functions as your device's primary audio output. Volume control and playback are typically managed directly from your connected device or through inline controls on your headphones, if supported.

- **Audio Playback:** Start playing audio (music, videos, games) on your connected device. Sound will be routed through the JM7 MAX to your headphones.
- **Volume Control:** Adjust the volume using your device's physical volume buttons or software volume controls.
- **Microphone Functionality:** If your headphones have an inline microphone, it will function through the JM7 MAX for calls, voice recording, or live streaming on compatible devices.
- **Call Management:** Answer, end, or reject calls using your device's interface or compatible inline headphone controls.

MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your JM7 MAX, follow these care guidelines:

- **Cleaning:** Wipe the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Storage:** Store the JM7 MAX in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid bending or twisting the cable excessively. Do not drop the device or subject it to strong impacts.
- **Connector Protection:** Use the provided dust-proof liner paper or a cap (if available) to protect the connectors when not in use.

TROUBLESHOOTING

If you encounter issues with your JM7 MAX, refer to the following common solutions:

Problem	Possible Solution
No sound output.	◦ Ensure the JM7 MAX is securely connected to both your device and headphones. ◦ Check your device's audio output settings to confirm the JM7 MAX is selected. ◦ Increase the volume on your device. ◦ Test with different headphones to rule out headphone issues. ◦ For iPhone users, verify iOS 17 or newer is installed.
Sound quality is poor or distorted.	◦ Ensure audio files are of high quality. ◦ Check for loose connections. ◦ Reduce the volume on your device if distortion occurs at high levels. ◦ Test with different audio sources or devices.
Microphone not working.	◦ Confirm your headphones have an inline microphone. ◦ Check your device's microphone input settings to ensure the JM7 MAX is selected. ◦ Ensure the application you are using has microphone permissions.
Device not recognized.	◦ Try disconnecting and reconnecting the JM7 MAX. ◦ Restart your connected device. ◦ Test the JM7 MAX with a different compatible device. ◦ Ensure your device's USB-C port is clean and functional.

SPECIFICATIONS

Feature	Detail
Model	JM7 MAX
DAC Chip	Conexant CX31993
Amplifier Chip	SGM8262
Audio Resolution	Up to 32-bit/384kHz PCM, DSD256
Total Harmonic Distortion (THD+N)	<0.0009%
Output Interface	3.5mm Single-Ended
Input Interface	USB-C
Cable Material	8-strand 448-core Silver-Copper Hybrid
Housing Material	CNC-machined Aluminum Alloy
Item Weight	1.06 ounces (approx. 30g)
Dimensions (Package)	5.91 x 3.94 x 0.39 inches

COMPATIBILITY

The JM7 MAX is broadly compatible with devices featuring a USB-C port for audio output. Specific compatibility includes:

- **Apple Devices:** iPhone (iOS 17 or later), iPad Pro/Air (USB-C models), MacBook.
- **Android Devices:** Samsung Galaxy S24/S23/Note series, Google Pixel, OnePlus, Xiaomi, Huawei, and most other USB-C Android phones.
- **Gaming Consoles:** Steam Deck.
- **Computers:** Windows laptops and desktops (with USB-C or USB-A via adapter).

Note: For optimal performance and full feature support, ensure your device's operating system is up to date.

WARRANTY AND SUPPORT

The JCALLY JM7 MAX comes with a warranty as specified by the manufacturer. Please refer to the included warranty card for details regarding coverage period and terms. For technical support, troubleshooting assistance, or warranty claims, please contact the retailer or manufacturer directly using the contact information provided with your purchase or on the official Girftu website.

Keep your proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question