

BOYA BY-CIP2

BOYA BY-CIP2 Microphone Adapter Cable User Manual

Model: BY-CIP2

INTRODUCTION

The BOYA BY-CIP2 is an adapter cable designed to connect external 3.5mm stereo microphones (specifically battery-powered microphones) or other audio sources to smartphones and laptops with a single audio input. This cable facilitates high-quality audio recording directly to your mobile device or computer.

Important Note: This cable is compatible only with battery-powered microphones. Passive (non-battery-powered) microphones cannot be connected to a phone using this cable.

PRODUCT OVERVIEW

The BY-CIP2 cable allows you to utilize various audio devices with your smartphone or compatible laptop. Its primary function is to convert the output of a stereo microphone (TRS) to a TRRS input suitable for mobile devices, ensuring proper signal transmission for recording.

Key Features:

- Enables connection of stereo battery-powered microphones to smartphones.
- Compatible with Android and iOS smartphones, as well as laptops with a single audio input.
- Supports connection of various audio sources like computers, DVD players, audio recorders, Walkmans, and MP3 players with headphone outputs.
- Designed for clear audio signal transmission.



Figure 1: The BOYA BY-CIP2 adapter cable, showing its 3.5mm TRRS male connector and 3.5mm TRS female jack.

SETUP INSTRUCTIONS

1. **Identify Connectors:** The BY-CIP2 cable has two ends: a 3.5mm TRRS male plug (with three black rings on the metal tip) and a 3.5mm TRS female jack (the receptacle).
2. **Connect Microphone:** Plug your battery-powered 3.5mm stereo microphone (or other audio source) into the 3.5mm TRS female jack of the BY-CIP2 cable. Ensure the microphone is powered on if it requires batteries.
3. **Connect to Device:** Insert the 3.5mm TRRS male plug of the BY-CIP2 cable into the headphone/microphone combo jack of your smartphone or compatible laptop.
4. **Verify Connection:** Your device should now recognize an external microphone. You may need to select the external microphone as the input source in your device's audio settings or recording application.



Figure 2: Close-up view of the 3.5mm TRRS male connector, designed for smartphone and laptop compatibility.



Figure 3: Close-up view of the 3.5mm TRS female jack, where the external microphone is connected.

OPERATING INSTRUCTIONS

Once the BY-CIP2 cable and microphone are properly connected to your device, you can begin recording audio.

1. **Open Recording Application:** Launch your preferred audio recording application on your smartphone or laptop (e.g., Voice Memos, Camera app for video, third-party recording apps).
2. **Select Input Source:** In some applications or device settings, you may need to manually select the external microphone as the audio input source.
3. **Start Recording:** Initiate recording within your chosen application. The audio will now be captured through the connected external microphone.
4. **Monitor Audio (if possible):** If your recording application or device allows, monitor the audio levels to ensure proper sound capture.



Figure 4: Angled view of the TRRS connector, highlighting its robust design for secure connection.

MAINTENANCE

To ensure the longevity and optimal performance of your BOYA BY-CIP2 cable, follow these maintenance guidelines:

- **Storage:** Store the cable in a cool, dry place away from direct sunlight and extreme temperatures. Avoid tightly coiling or bending the cable sharply, which can damage internal wires.
- **Cleaning:** Gently wipe the cable and connectors with a soft, dry cloth to remove dust or dirt. Do not use harsh chemicals or abrasive cleaners.
- **Handling:** Always grasp the connector housing when plugging or unplugging the cable, rather than pulling on the cable itself. This prevents strain on the connection points.



Figure 5: Detailed view of the 3.5mm TRRS connector, showing the four contact points for audio input and output.

TROUBLESHOOTING

If you encounter issues while using your BY-CIP2 cable, refer to the following troubleshooting tips:

- **No Audio Input:**

- Ensure your microphone is **battery-powered** and its batteries are charged. The BY-CIP2 cable does not provide phantom power.
- Verify that both ends of the cable are securely plugged into the microphone and your device.
- Check your device's audio settings or recording application to ensure the external microphone is selected as the input source.
- Test the microphone directly with another compatible device if possible, to rule out a microphone issue.

- **Poor Audio Quality / Signal Degradation:**

- Ensure all connections are firm and free from debris.
- Avoid placing the cable near sources of electromagnetic interference (e.g., power cables, Wi-Fi routers).
- Test with a different microphone or audio source to determine if the issue lies with the cable or

the connected device.


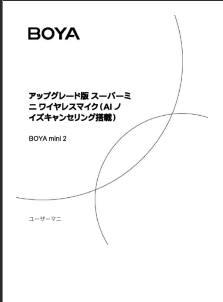
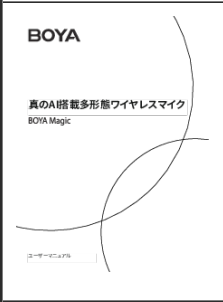
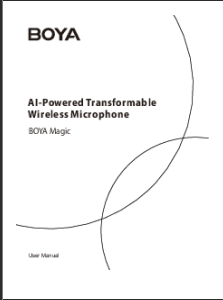
- Check the microphone's settings (gain, sensitivity) to ensure they are appropriate for your recording environment.
- **Incompatibility with TRS Microphones (e.g., Rode TRRS to TRS):**
 - The BY-CIP2 is designed to connect a TRS (stereo) microphone to a TRRS (smartphone) input. If you are trying to convert a TRRS microphone (like some Rode models designed for smartphones) to a TRS input, this cable is not suitable. Ensure your microphone's output type matches the cable's input requirement (TRS microphone into the BY-CIP2's TRS female jack).

SPECIFICATIONS

Brand	BOYA
Model	BY-CIP2
Connector Type	Auxiliary (3.5mm TRRS Male to 3.5mm TRS Female)
Compatible Devices	Smartphones (Android & iOS), Laptops with single audio input, MP3 Players, Computers, Headphones
Batteries Required	No (for cable), Yes (for connected microphone if applicable)
Product Dimensions	600 x 0.3 x 0.3 cm (approx. 6 meters length); 13 grams
ASIN	B07SC49P88

Related Documents - BY-CIP2

 	<p>BOYA mini Wireless Ultra-Mini Microphone User Manual</p> <p>Comprehensive user manual for the BOYA mini wireless ultra-mini microphone system, covering setup, features, operation, troubleshooting, and specifications for various models including BOYA mini-12 through BOYA mini-23.</p>
 	<p>BOYA Magic: Manuel du Microphone Sans Fil Multifonction True AI</p> <p>Découvrez le BOYA Magic, un système de microphone sans fil 2,4 GHz multifonction avec IA. Ce manuel utilisateur détaille ses caractéristiques, son utilisation et son dépannage pour la création de contenu, le vlogging et le journalisme.</p>

	<p>BOYA Magic: Echtes KI-Mehrmodi-Funkmikrofon Benutzerhandbuch</p> <p>Umfassendes Benutzerhandbuch für das BOYA Magic KI-gestützte drahtlose Mikrofonsystem. Erfahren Sie mehr über Funktionen, Einrichtung, Bedienung und Fehlerbehebung für Content Creation, Livestreaming und Vlogging.</p>
	<p>BOYA mini 2 AI Noise Cancelling Wireless Microphone System User Manual</p> <p>Comprehensive user manual for the BOYA mini 2, an upgraded ultra-compact wireless microphone system featuring AI noise cancellation, high-fidelity audio recording, and versatile connectivity for smartphones and tablets. Includes setup, operation, app integration, troubleshooting, and detailed specifications.</p>
	<p>BOYA Magic AI-Powered Wireless Microphone System User Manual</p> <p>Comprehensive user manual for the BOYA Magic AI-powered wireless microphone system, detailing features, components, operation, and troubleshooting for content creators and professionals.</p>
	<p>BOYA Magic AI-Powered Transformable Wireless Microphone User Manual</p> <p>Comprehensive user manual for the BOYA Magic AI-Powered Transformable Wireless Microphone system, detailing its features, product structure, operation, specifications, and troubleshooting for content creators.</p>