

## MAONOCASTER AM100 K1

# User Manual: Maonocaster Portable All-in-One Podcast Production Studio

Model: AM100 K1

## 1. INTRODUCTION

The MAONOCASTER Portable All-in-One Podcast Production Studio (AM100 K1) is designed to simplify the content creation process for podcasts, radio shows, and live streams. It integrates multiple digital audio mixing functions into a single, intuitive solution, making it accessible for both beginners and experienced users. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance.



Image 1.1: Maonocaster AM100 K1 Podcast Production Studio.

The MAONOCASTER AM100 K1 was recognized with a CES Innovation Award in 2021 for its innovative design and functionality in the streaming category.



Image 1.2: MAONOCASTER AM100 K1, CES Innovation Award 2021 Honoree.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Maonocaster Mixing Deck (Main Unit)
- XLR Condenser Microphone (PM320T)
- Microphone Stand with Shock Mount
- XLR Microphone Cable
- Mini-jack to Mini-jack (1/8") Cables (multiple)
- USB-C Charging Cable
- Quick Start Guide (brief instructions)

## 3. PRODUCT OVERVIEW

The Maonocaster AM100 K1 is an all-in-one solution for audio production, offering a range of features to enhance your

live streams, podcasts, and recordings.

### 3.1 Key Features

- **Multi-channel Mixing and Monitoring:** Offers four channels for audio mixing, with easy connections for microphones, smartphones, PCs, Macs, and other sources.
- **Audio Fine-tuning:** Includes 6 reverb modes, auto-tune, and 4 pitch changers. Each microphone input has independent control and a mute function.
- **Programmable Jingles:** Seven customizable jingle pads allow you to upload and trigger audio effects via the PC/Mac application.
- **XLR and Phantom Power Support:** Features two premium-quality MIC amplifiers with XLR interfaces and adjustable 48V phantom power for professional condenser microphones.
- **Instrument Input:** A 6.35mm input is available for recording guitars or basses.
- **Built-in Battery:** A 5000mAh rechargeable battery provides up to 6 hours of portable use.
- **Professional Functions:** Includes sidechain, mix-minus, noise-canceling, and a loopback switch.

### 3.2 Component Identification

Familiarize yourself with the various inputs, outputs, and controls on your Maonocaster unit.

# MULTI-CHANNEL MIXING, STREAMING, AND MONITORING

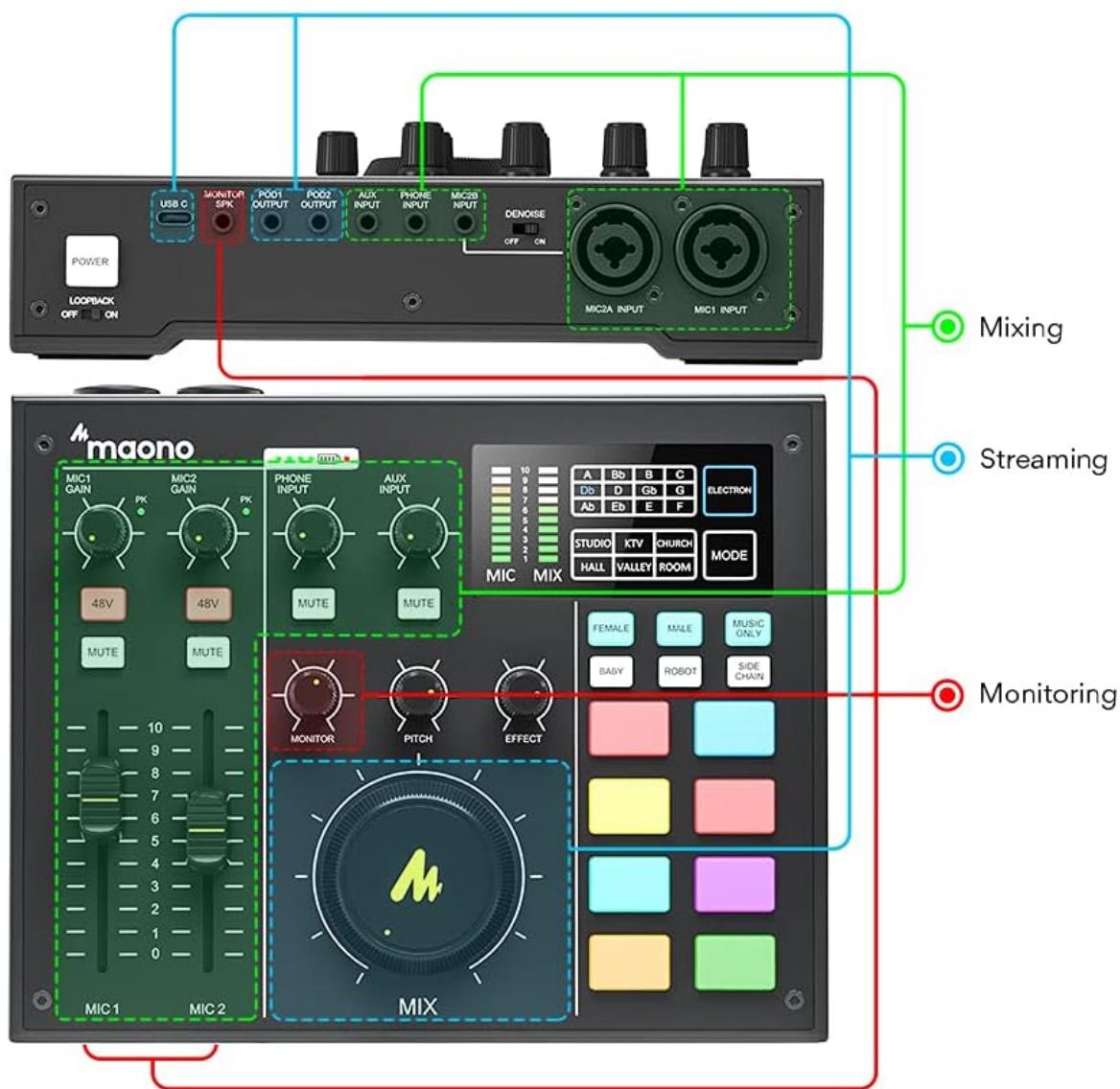
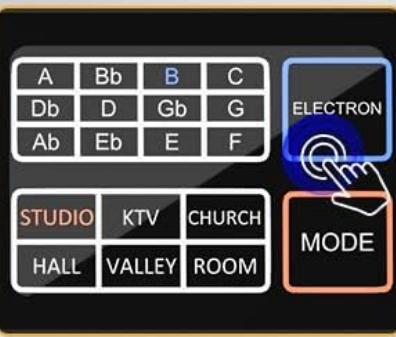


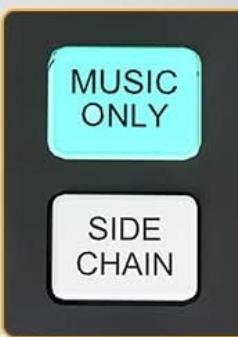
Image 3.1: Multi-channel Mixing, Streaming, and Monitoring Overview.

# FINE-TUNE YOUR AUDIO

Integrating auto-tune processor, reverb padal, pitch changer, and sampler into one comprehensive solution.



12-Step Auto-Tune  
6 Reverb Modes



Music Only  
Side Chain



4 Pitch Changers



7 Customizable  
Jingles  
Cough Button

Image 3.2: Audio Fine-tuning Controls.

# 7 CUSTOMIZABLE JINGLE PADS AND A COUGH BUTTON

Upload any audio clip to the Maonocaster and use it in your content creations.(Audio clips are limited to 20 seconds each)

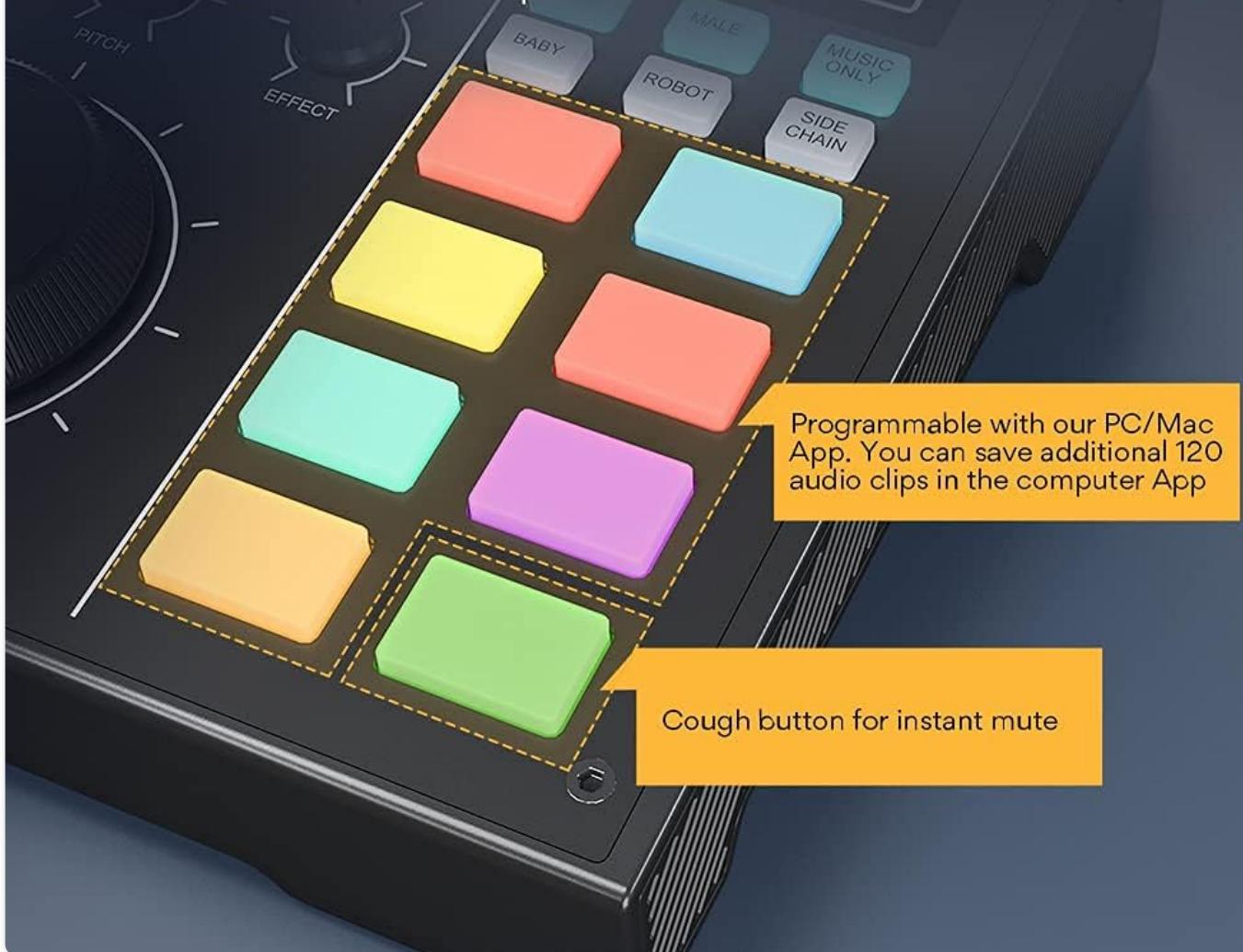


Image 3.3: Customizable Jingle Pads and Cough Button.

# MULTI MICROPHONE TYPES SUPPORTED

XLR interfaces, high-quality pre-amp, and built-in phantom power. (USB Microphones and Shure SM7b are not supported)



Image 3.4: Multi-Microphone Type Support.

# PROFESSIONAL XLR CONDENSER MICROPHONE KIT

Audio interface supports 48V phantom power



Image 3.5: Professional XLR Condenser Microphone Kit.

# UNIVERSAL AND VERSATILE

Stream to smartphones, tablets, PC, Mac, and other devices.



Image 3.6: Universal and Versatile Connectivity.

# BUILT-IN BATTERY

Lithium battery provides up to 6 hours of streaming, podcasting, or recording on the go. Recharges with USB-C.



Image 3.7: Built-in Battery for Portability.

## 4. SETUP INSTRUCTIONS

Follow these steps to set up your Maonocaster for optimal use.

### 4.1 Powering On/Off

- To power on the unit, press and hold the **POWER** button located on the back panel for a few seconds until the indicators light up.
- To power off, press and hold the **POWER** button again until the indicators turn off.

### 4.2 Connecting Microphones

The Maonocaster supports various microphone types:

- **XLR Microphones:** Connect your XLR condenser or dynamic microphone to the **MIC1/2A INPUT** ports on the back.

If using a condenser microphone requiring phantom power, ensure the 48V switch is engaged for the respective channel.

- **3.5mm Microphones:** Connect a 3.5mm microphone to the **MIC2B INPUT** port.

## 4.3 Connecting to Computer/Smartphone

The Maonocaster can be connected to a computer or smartphone for recording and streaming.

- **USB-C to Computer:** Use the provided USB-C cable to connect the **USB-C** port on the Maonocaster to your computer (PC or Mac). This connection handles both audio input/output and charging.
- **Smartphone Connections:**
  - **PHONE INPUT:** Connect a smartphone for accompaniment input using a 3.5mm audio cable.
  - **POD1/2 OUTPUT:** Connect smartphones for podcasting or streaming output using 3.5mm audio cables.
- **AUX INPUT:** Connect other audio devices (e.g., MP3 players) using a 3.5mm audio cable.



Image 4.1: Maonocaster Back Panel Connections.

## 4.4 Connecting Monitoring Devices

- Connect headphones or monitor speakers to the **MONITOR SPK/HEADPHONE** output for real-time audio monitoring.

## 4.5 Software Installation (for PC/Mac APP)

To customize jingles and access advanced features, download the official Maonocaster application for PC or Mac from the MAONOCASTER website. Follow the on-screen instructions for installation.

Video 4.1: MAONOCASTER use tutorial. This video provides a comprehensive guide on how to set up and use your Maonocaster device.

# 5. OPERATING INSTRUCTIONS

This section details how to operate the various functions of your Maonocaster.

## 5.1 Adjusting Audio Levels

- Use the individual faders for **MIC1** and **MIC2** to adjust the input volume of your microphones.
- Adjust the **AUX INPUT** and **PHONE INPUT** knobs to control the volume of connected external devices.

- The large **MIX** knob controls the overall output volume.
- The **MONITOR** knob adjusts the volume for your headphones or monitor speakers.

## 5.2 Using Audio Effects

- **Reverb Modes:** Select from 6 different reverb modes (Studio, KTV, Church, Hall, Valley, Room) using the dedicated buttons to add spatial effects to your audio.
- **Auto-Tune:** Engage the auto-tune feature to correct vocal pitch.
- **Pitch Changers:** Use the **FEMALE**, **MALE**, **BABY**, and **ROBOT** buttons to instantly change your vocal pitch.
- **Music Only:** Press the **MUSIC ONLY** button to attempt to remove vocals from background music, ideal for karaoke or instrumental tracks.

## 5.3 Programmable Jingles and Cough Button

- **Jingle Pads:** The seven colored pads are programmable. Use the PC/Mac application to upload your desired audio effects (e.g., applause, sound bites). Press a pad to trigger the assigned jingle.
- **Cough Button:** Press the **COUGH** button to instantly mute all microphone inputs, allowing you to cough or speak off-air without it being broadcast.

Video 5.1: Fun sound effects designed for live streaming. This video demonstrates the various sound effects available on the Maonocaster.

Video 5.2: Maonocaster Customized Jingle Installation. Learn how to install and customize jingles on your Maonocaster.

Video 5.3: Built-in premium amplifier for bright sound-MAONOCASTER. This video highlights the audio quality features of the Maonocaster.

## 5.4 Advanced Functions

- **Sidechain:** Automatically lowers background music volume when a microphone input is active, ensuring clear vocals.
- **Mix-Minus:** Prevents audio feedback during phone calls by removing the caller's own voice from their monitor mix.
- **Noise-Canceling:** Reduces ambient background noise for cleaner audio.
- **Loopback Switch:** Routes all audio outputs back into the input, useful for recording computer audio along with microphone inputs.

## 6. MAINTENANCE

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Proper maintenance ensures the longevity and performance of your Maonocaster.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** To prolong battery life, avoid fully discharging the unit frequently. Charge the battery regularly, even if not in use for extended periods.
- **Cable Management:** Ensure cables are not kinked or strained to prevent damage to connectors and ports.

## 7. TROUBLESHOOTING

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If you encounter issues with your Maonocaster, refer to the following common problems and solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Unit does not power on.	Battery is depleted; Power button not held long enough.	Connect to power via USB-C. Press and hold the POWER button for several seconds.
No audio output.	Volume levels too low; Incorrect cable connection; Mute engaged.	Check all volume faders and knobs. Ensure cables are securely connected. Verify no mute buttons are active.
Microphone not working.	Incorrect microphone type; 48V phantom power not enabled (for condenser mics); Faulty cable.	Ensure correct microphone input is used. Activate 48V phantom power if needed. Test with a different cable.
Audio feedback or hum.	Gain too high; Ground loop; Cables too close to power sources.	Reduce input gain. Check for ground loops (e.g., using a ground loop isolator). Reroute audio cables away from power cables.
Cannot upload jingles via PC/Mac APP.	Software not installed correctly; USB connection issue; Incompatible audio file format.	Reinstall the application from the official website. Ensure the USB-C cable is properly connected. Check if audio files are in a supported format (e.g., MP3).
Voice pitch changes unexpectedly.	Pitch changer effect accidentally activated; Internal software issue.	Ensure pitch changer buttons are not engaged. If the issue persists, contact customer support for potential firmware updates or troubleshooting.
Unit does not turn off.	Software glitch; Power button issue.	Hold the power button for an extended period (e.g., 10-15 seconds). If the issue continues, allow the battery to fully discharge and then recharge. Contact customer support if the problem persists.

## 8. SPECIFICATIONS

Detailed technical specifications for the Maonocaster AM100 K1.

Feature	Specification
Model Number	AM100 K1
Item Weight	6.07 pounds (2.76 Kilograms)
Product Dimensions	0.39 x 0.39 x 0.39 inches
Brand	MAONOCASTER
Number of Channels	4
Connectivity Technology	XLR
Voltage	48 Volts (for phantom power)

Feature	Specification
Battery Type	Lithium Polymer (5000mAh)
Compatible Devices	Laptop, Personal Computer, Smartphone
Operating System Support	Mac (and PC)
First Available Date	March 30, 2021

## 9. WARRANTY AND SUPPORT

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MAONOCASTER is committed to providing high-quality products and excellent customer service. For warranty information, please refer to the documentation included with your purchase or visit the official MAONOCASTER website. If you require technical assistance, have questions about your product, or need to report an issue, please contact MAONOCASTER customer support. Many users have reported positive experiences with their responsive and helpful support team.

For the most up-to-date support contact information, please visit the official MAONOCASTER website or refer to the contact details provided in your product packaging.



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Documents - MAONOCASTER – AM100 K1



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**PC Companion App User Guide**

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