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› MOREFAND MG04BT 4-Channel Audio Mixer User Manual

MOREFAND MIXER-F4

MOREFAND MG04BT 4-Channel Audio Mixer User Manual

Model: MIXER-F4

INTRODUCTION

Thank you for choosing the MOREFAND MG04BT 4-Channel Audio Mixer. This manual provides detailed instructions for the proper setup, operation, and maintenance of your audio mixer. Please read this manual thoroughly before use to ensure optimal performance and to prevent damage to the unit.

SAFETY INSTRUCTIONS

Observe the following safety precautions to prevent electric shock, fire, or damage to the unit:

- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches the requirements of the mixer.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings.
- **Heat Sources:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cleaning:** Clean only with a dry cloth. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Cables:** Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

PRODUCT OVERVIEW

The MOREFAND MG04BT is a compact 4-channel audio mixer designed for studio recording, live sound, and various audio applications. It features dual XLR microphone inputs with phantom power, USB and MP3 playback capabilities, Bluetooth 5.0 connectivity, and comprehensive audio controls.



Image: Front view of the MOREFAND MG04BT 4-Channel Audio Mixer, showcasing its compact design and control layout.

Key Features:

- **4-Channel Input:** Two mono XLR/TRS inputs and one stereo TRS/USB input.
- **Dual XLR Inputs with Phantom Power:** Connect professional microphones with 48V phantom power support for condenser microphones.
- **USB/MP3 Direct Playback:** Play audio files directly from a USB drive or use the built-in MP3 player.
- **Bluetooth 5.0 Connectivity:** Wirelessly stream audio from compatible devices such as smartphones, tablets, and computers.
- **Studio-Grade Controls:** Each channel includes GAIN knobs, 3-band EQ (HIGH, MID, LOW), PAN positioning, and AUX sends for precise audio shaping.
- **Digital Effect Processor:** Built-in DSP for reverb effects with adjustable DELAY and REPEAT parameters.
- **Real-Time Level Display:** LED screen visualizes output levels to prevent clipping and ensure optimal volume balance.
- **Pro I/O Flexibility:** MAIN OUTPUT (L/R), PHONE monitoring, EFFECT sends, and INSERT jacks for expandable signal routing.

- **USB OTG Support:** Functions as a 24-bit/192 kHz sound card for computer recording and playback.

CONTROLS AND CONNECTIONS

This section details the various controls and connection points on your MG04BT mixer.

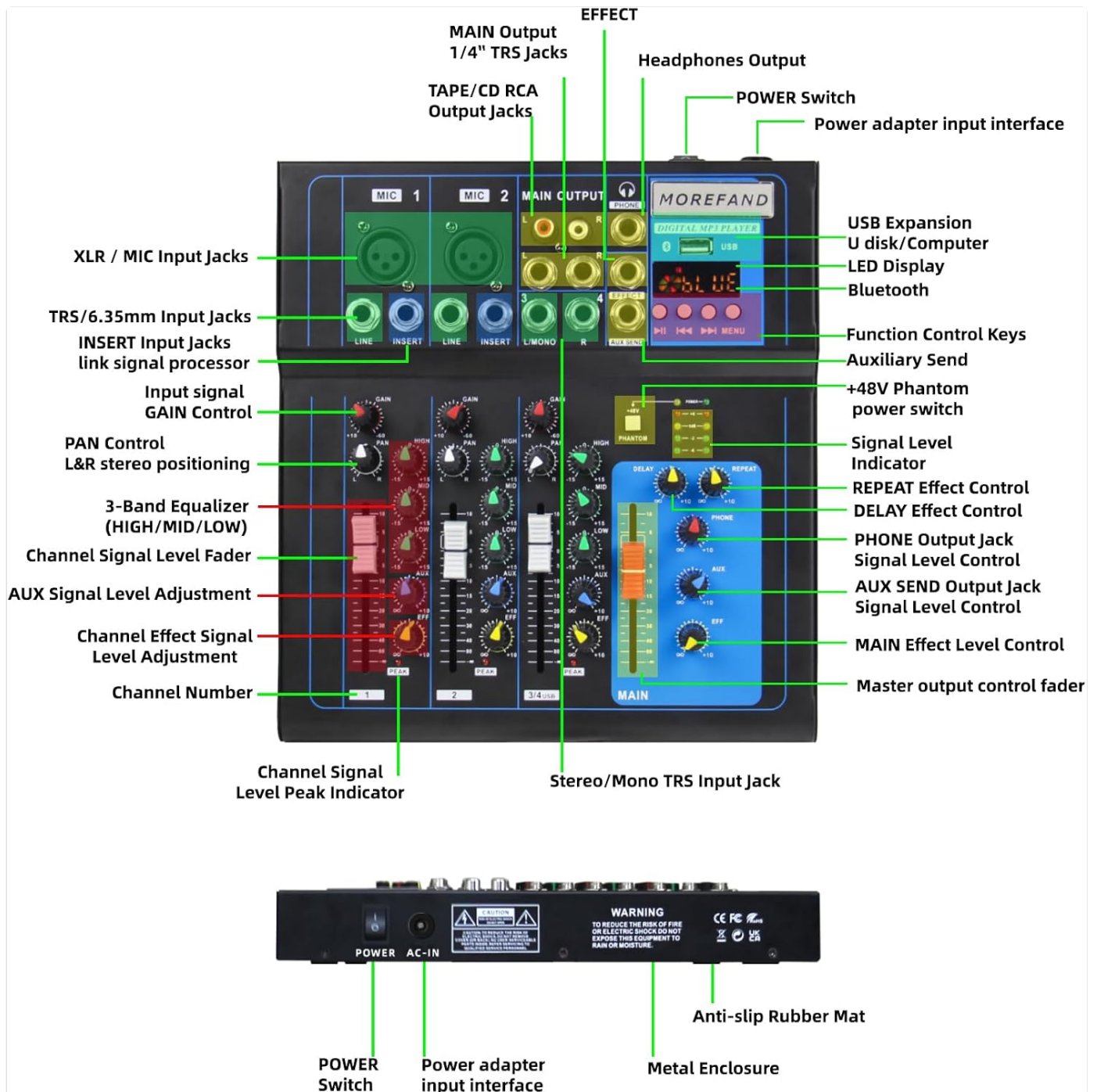


Image: Detailed annotated diagram of the MG04BT mixer's front panel, highlighting all inputs, outputs, and control knobs.

Input Section:

- **XLR / MIC Input Jacks (1, 2):** Balanced inputs for microphones.
- **TRS / 6.35mm Input Jacks (1, 2):** Unbalanced inputs for line-level instruments or devices.
- **INSERT Input Jacks (1, 2):** For connecting external signal processors to individual channels.
- **LINE Input (3/4 L/MONO, R):** Stereo 6.35mm inputs for stereo line-level sources.
- **USB Expansion:** USB port for connecting a USB disk for MP3 playback or connecting to a computer for sound card functionality.

Channel Controls (Channels 1-4):

- **GAIN Control:** Adjusts the input sensitivity for each channel.
- **3-Band Equalizer (HIGH/MID/LOW):** Adjusts the treble, midrange, and bass frequencies for each channel.
- **PAN Control:** Adjusts the stereo positioning of the channel signal (left to right).
- **AUX Send:** Controls the amount of signal sent to the auxiliary output for external effects or monitoring.
- **EFF (Effect) Send:** Controls the amount of signal sent to the internal digital effect processor.
- **Channel Fader:** Adjusts the output level of each individual channel.
- **PEAK Indicator:** Lights up when the input signal is too high, indicating potential clipping.

Master Section:

- **+48V Phantom Power Switch:** Activates 48V phantom power for condenser microphones on XLR inputs.
- **Digital MP3 Player/Bluetooth Module:** Includes an LED display, function control keys (Play/Pause, Skip, Menu), and USB port.
- **DELAY/REPEAT Controls:** Adjusts the parameters of the built-in digital effects.
- **PHONE Monitoring Output:** 6.35mm stereo jack for connecting headphones.
- **MAIN Output (L/R):** RCA and 6.35mm TRS outputs for connecting to main speakers or recording devices.
- **MAIN Fader:** Master volume control for the overall output.
- **Signal Level Indicator:** LED meters display the main output level.

SETUP

1. Power Connection:

1. Ensure the mixer's power switch is in the OFF position.
2. Connect the provided power adapter to the DC 12V input on the rear of the mixer.
3. Plug the power adapter into a suitable AC power outlet.

2. Input Connections:

- **Microphones:** Connect XLR microphones to the MIC 1 or MIC 2 XLR inputs. If using condenser microphones, activate the +48V Phantom Power switch.
- **Instruments/Line Devices:** Connect instruments (e.g., keyboards, guitars with preamps) or line-level devices to the 6.35mm TRS inputs (Channels 1-4).
- **USB Drive:** Insert a USB flash drive with MP3 files into the USB port for direct playback.
- **Bluetooth Device:** Power on the mixer, press the MENU button on the digital player to switch to Bluetooth mode. Search for "BT 5.0" on your device and pair.
- **Computer Connection:** Connect the mixer to your computer via a USB cable. The mixer will function as an external sound card. Select "JieLi BR21" as the input/output device in your computer's sound settings.

Bluetooth Input Backing Tracks

Use the dedicated Bluetooth® channel to send and receive audio from devices like smartphones and tablets.

For podcasters, it's an effortless way to bring in phone calls.

For musicians and performers, it's the easiest option for streaming outside music and backing tracks.



5.0



⚠️ * Device Bluetooth ID: "BT 5.0"

*Connection method:

Press the MENU button to switch the mixer to Bluetooth mode. On devices with Bluetooth functions such as tablets, mobile phones, laptops, etc., turn on Bluetooth and search for the device with the connection name "BT 5.0".



Image: Illustration of connecting a condenser microphone and activating 48V phantom power.

DIGITAL PROCESSOR

BUILT IN DIGITAL EFFECT PROCESSOR
FAST RESPONSE
PROFESSIONAL OUTPUT
HAS BETTER REVERBERATION EFFECT

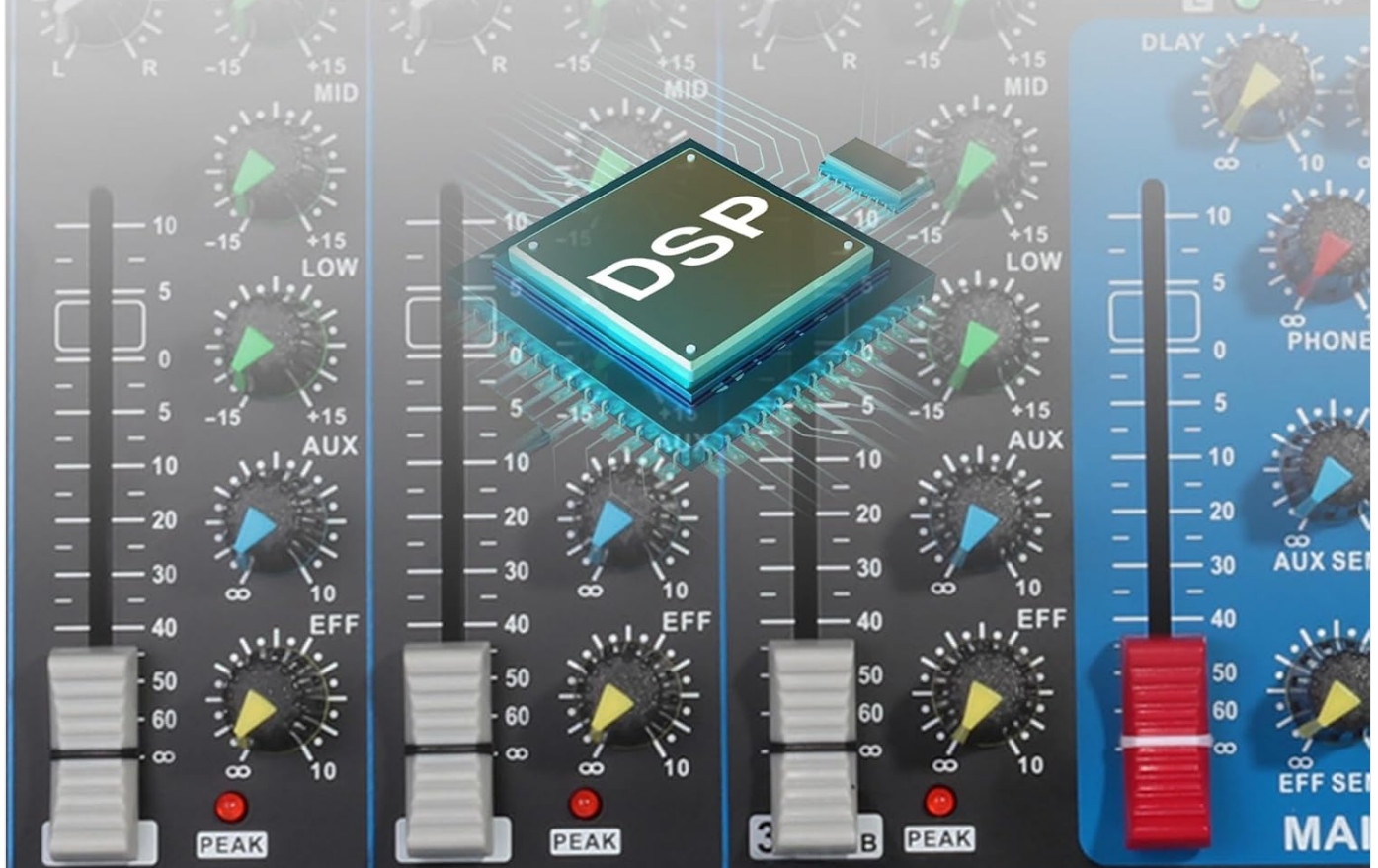


Image: Diagram showing a smartphone connected to the mixer via Bluetooth 5.0 for backing tracks.

USB OTG SUPPORT

OTG Extension: U disk MP3 play , Recording, PC Sound Card

MP3 Player

Supports common audio streaming formats



Recording

24-bit / 192 kHz quality channel recording



Sound Card

Connect to computer as external sound card



**MP3 Player Support Music Style
CLASSICAL / POP / ROCK .etc.**

⚠ After connecting to the computer, switch the computer output and input devices to "JieLi BR21"



Image: Demonstrates USB connectivity for MP3 playback from a USB drive and functioning as a computer sound card.

Bluetooth Input Backing Tracks

Mixer supports Bluetooth connectivity, compatible with smartphones, tablets, laptops, and PCs

It enables easy pairing for wireless music streaming (e.g., Pandora/Spotify) from your device to the mixer



⚠ * Device Bluetooth ID: "BT 5.0"

Image: A user connecting the mixer to a laptop for recording and editing audio, highlighting its sound card capabilities.

3. Output Connections:

- **Main Output:** Connect the MAIN L/R outputs (RCA or 6.35mm TRS) to your powered speakers, amplifier, or recording interface.
- **Headphones:** Connect headphones to the PHONE 6.35mm jack for monitoring.

3-BAND EQ & Reverb Effect

Each channel has adjustable high, mid, and low frequency bands.

There are adjustable DELAY and REPEAT parameters.

It meets your audio - adjustment needs.



Image: A user monitoring audio through headphones connected to the mixer, demonstrating real-time audio adjustment.

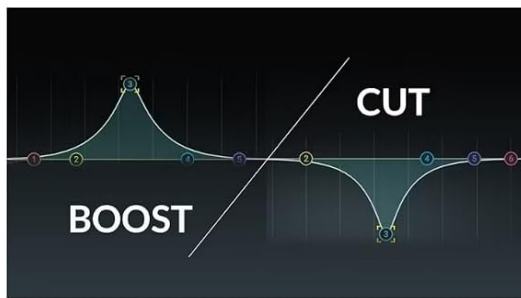
1. Basic Mixing:

1. Turn on the mixer and any connected audio devices.
2. Set all channel GAIN knobs to their minimum position and all channel faders to their lowest position. Set the MAIN fader to approximately 0dB.
3. For each active channel, gradually increase the GAIN knob until the PEAK indicator flashes only occasionally during the loudest parts of the signal.
4. Adjust the 3-band EQ (HIGH, MID, LOW) to shape the tone of each input.
5. Use the PAN control to position the sound source in the stereo field.
6. Slowly raise the channel fader to bring the signal into the mix.
7. Adjust the MAIN fader for the overall output volume. Monitor the signal level indicators to avoid clipping.

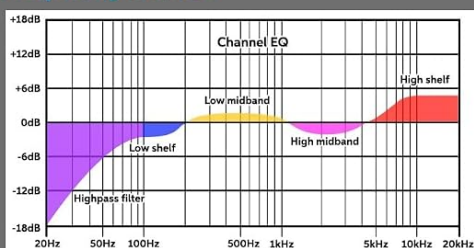


3-Band Equalizer

HIGH / MID / LOW Independent Adjustment



Equalizers allow you to fix tonal imbalances and bring out desirable characteristics or diminish undesirable parts of your audio by boosting or cutting specific frequency bands.



EQ



Image: Illustrates the function of the 3-band equalizer (HIGH, MID, LOW) for boosting or cutting specific frequency bands.

2. Using Digital Effects:

- 1. Increase the EFF (Effect) send knob on the desired channel to send signal to the internal effect processor.
- 2. Adjust the DELAY and REPEAT knobs in the master section to control the characteristics of the reverb effect.



Image: Highlights the built-in digital signal processor (DSP) for reverb effects, indicating its fast response and professional output.

3. USB/MP3 Playback:

- 1. Insert a USB drive containing MP3 audio files into the USB port.
- 2. Use the control keys (Play/Pause, Skip, Menu) on the digital player module to navigate and play tracks.
- 3. Adjust the channel fader for the USB/MP3 input (Channel 3/4) to control its volume in the mix.

4. Bluetooth Operation:

- 1. Press the MENU button on the digital player module until "BLUE" appears on the LED display.
- 2. On your smartphone, tablet, or computer, search for Bluetooth devices and select "BT 5.0" to pair.
- 3. Once paired, audio played on your device will stream through the mixer. Adjust the channel fader for the Bluetooth input (Channel 3/4) to control its volume.

SPECIFICATIONS

The following are the technical specifications for the MOREFAND MG04BT Audio Mixer:

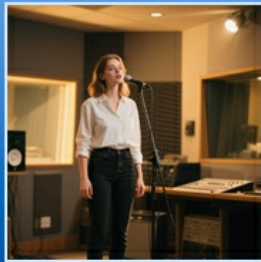
Feature	Specification
Model Number	MIXER-F4
Number of Channels	4
Item Weight	5.5 pounds (2.5 kg)
Product Dimensions (D x W x H)	9.45" x 8.66" x 1.57" (240mm x 220mm x 40mm)

Feature	Specification
Power Source	AC Power
Voltage	12 Volts
Connectivity Technology	USB, Bluetooth 5.0
Phantom Power	+48V
USB Audio Interface	24-bit / 192 kHz



Image: Diagram showing the physical dimensions of the MG04BT mixer: 240mm (width), 220mm (depth), 40mm (height).

Suitable For Various Occasions



Recording Studio



DJ Mixing



PC live / Meeting



Karaoke singing

Various Scenarios

INPUT

Mic Input 2 x Mono XLR Input
Line Input 2 x 6.35mm Jack Input
Insert Input 2x6.35mm Jack Input
USB/Bluetooth 1x USB input, 1x bluetooth input

OUTPUT

1 AUX Output 1 x 6.35mm Jack Output
Effect output 1 x 6.35mm Jack Output
Main Outputs 1x RCA L/R Stereo Output
Main Outputs 1x 6.35mm L/R Output
Headphone Monitoring Input 1x 6.35mm Jack Input

Image: Lists the various input and output types available on the mixer, including Mic, Line, Insert, USB/Bluetooth inputs, and AUX, Effect, Main, Headphone outputs.

TROUBLESHOOTING

If you encounter issues with your mixer, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
No sound output	Power off; cables disconnected; faders down; incorrect input/output selection.	Check power, all cable connections, raise channel and main faders, verify input source and output destination.
Distorted sound / Clipping	Input GAIN too high; output level too high.	Reduce channel GAIN until PEAK indicator stops flashing. Lower channel or main faders.
Microphone not working	Incorrect connection; phantom power off (for condenser mics); faulty mic/cable.	Ensure mic is connected to XLR input. Activate +48V phantom power for condenser mics. Test with another mic/cable.
Bluetooth not connecting	Mixer not in Bluetooth mode; device too far; incorrect pairing.	Press MENU to select Bluetooth mode. Ensure device is within range. Re-scan and pair with "BT 5.0".
USB playback not working	USB drive not formatted correctly; unsupported file type; faulty USB drive.	Ensure USB drive is FAT32 formatted and contains MP3 files. Try a different USB drive.
Computer not recognizing mixer as sound card	Incorrect driver/settings; faulty USB cable.	Ensure "JieLi BR21" is selected as audio input/output in computer settings. Try a different USB cable.

MAINTENANCE

To ensure the longevity and optimal performance of your MOREFAND MG04BT mixer, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the mixer's surface with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or waxes, as they can damage the finish and controls.
- **Dust Protection:** When not in use, cover the mixer with a dust cover to prevent dust and debris from accumulating on the controls and inside the unit.
- **Storage:** Store the mixer in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Cable Care:** Always handle cables by the connector, not the cable itself, to prevent damage to the wiring. Avoid sharp bends or kinks in cables.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact MOREFAND customer service through their official channels. Keep your proof of purchase for warranty claims.

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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.

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