

MOREFAND F4-PRO

MOREFAND F4-PRO 4-Channel Audio Mixer User Manual

1. INTRODUCTION

Thank you for choosing the MOREFAND F4-PRO 4-Channel Audio Mixer. This professional-grade mixer is designed to provide high-fidelity audio processing for various applications, including live performances, home recording, podcasting, and streaming. Featuring 24-bit DSP technology, versatile connectivity, and intuitive controls, the F4-PRO offers exceptional sound management. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

2. SAFETY INSTRUCTIONS

- **Power Supply:** Use only the specified power adapter. Ensure the voltage matches the requirements of the mixer.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Keep the mixer away from water, rain, and excessive humidity. Do not operate with wet hands.
- **Placement:** Place the mixer on a stable, flat surface. Avoid placing it near heat sources or in direct sunlight.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified personnel.
- **Phantom Power:** When using +48V phantom power, ensure microphones are compatible to avoid damage. Connect microphones before activating phantom power.

3. PRODUCT OVERVIEW

The MOREFAND F4-PRO is a compact yet powerful 4-channel audio mixer equipped with advanced features for professional audio production. It integrates a 24-bit DSP multi-effects processor, USB recording capabilities, and Bluetooth connectivity. Each channel offers comprehensive control over gain, 3-band EQ, and auxiliary sends, providing precise sound shaping. The master section includes digital effects processing with adjustable parameters and clear LED level indicators.



Image 3.1: Front view of the MOREFAND F4-PRO 4-Channel Audio Mixer, showcasing its compact design and control layout.

4. CONTROLS AND FUNCTIONS

This section details the various controls and connection points on your F4-PRO mixer. Refer to the diagram below for visual identification of each component.

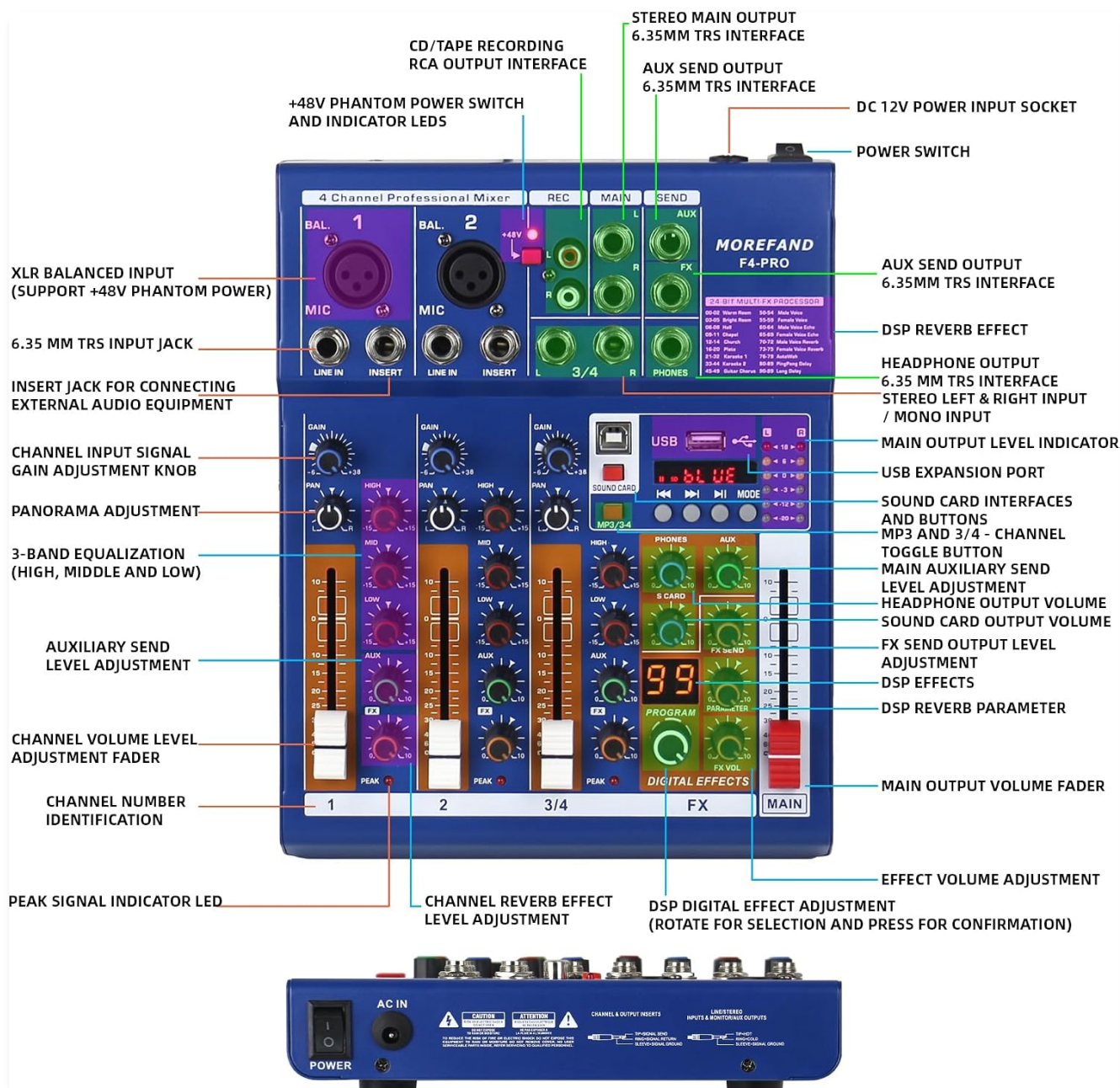


Image 4.1: Detailed diagram illustrating the various inputs, outputs, and control knobs on the MOREFAND F4-PRO mixer.

4.1. Input Section (Channels 1-4)

- **XLR Balanced Input:** For microphones and other balanced audio sources. Supports +48V phantom power.
- **6.35mm TRS Input (LINE IN):** For line-level instruments or audio devices.
- **INSERT Jack:** For connecting external audio processing equipment (e.g., compressors, gates) to individual channels.
- **GAIN Adjustment Knob:** Controls the input sensitivity for each channel. Adjust to prevent clipping (PEAK LED).
- **3-Band Equalization (HIGH, MID, LOW):** Adjusts the treble, midrange, and bass frequencies for each channel.
- **AUX Send Level Adjustment:** Controls the amount of signal sent to the auxiliary output for monitoring or external effects.
- **PANORAMA Adjustment:** Adjusts the stereo position (left/right) of the channel's signal.
- **Channel Volume Level Adjustment Fader:** Controls the output level of each individual channel.

- **PEAK Signal Indicator LED:** Illuminates when the input signal is too high, indicating potential clipping.
- **+48V Phantom Power Switch and Indicator:** Activates phantom power for condenser microphones on XLR inputs.

4.2. Master Section

- **MAIN Output Volume Fader:** Controls the overall output level of the main mix.
- **MAIN Output Level Indicator:** LED meters displaying the main output signal level.
- **PHONES Output (6.35mm TRS):** For connecting headphones for monitoring.
- **AUX SEND Output (6.35mm TRS):** Output for the auxiliary mix.
- **DSP Digital Effect Adjustment (PROGRAM/PARAMETER):** Selects and adjusts the built-in digital effects.
- **FX VOL (Effect Volume):** Controls the overall volume of the applied digital effects.
- **USB Expansion Port:** For connecting USB flash drives for recording or playback.
- **Sound Card Interfaces and Buttons:** Controls for USB audio interface functions, including playback and mode selection (MP3/Bluetooth/PC).
- **DC 12V Power Input Socket:** Connects the external power adapter.
- **Power Switch:** Turns the unit on or off.

5. SETUP

Follow these steps to set up your MOREFAND F4-PRO mixer for operation.

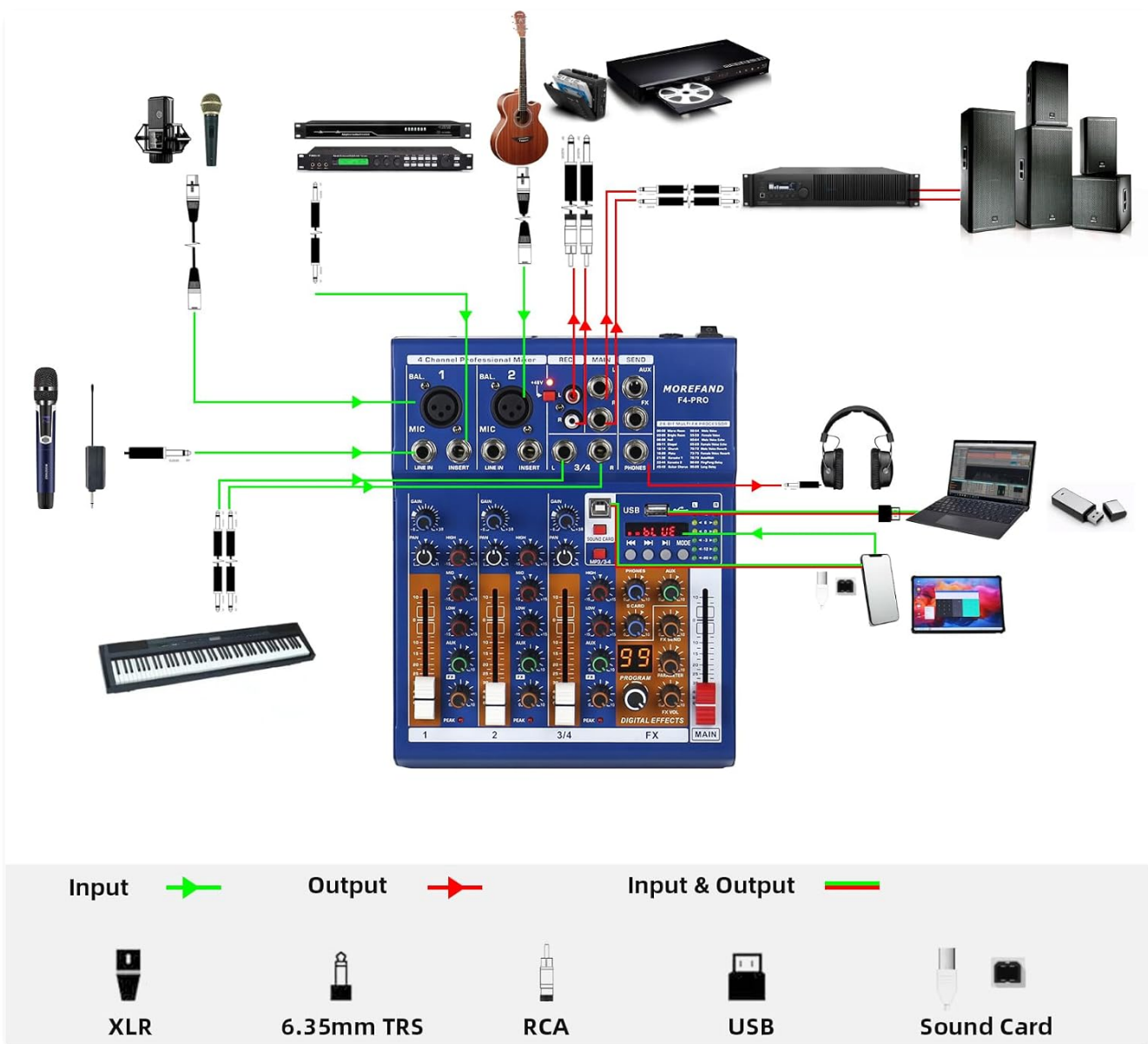


Image 5.1: Diagram illustrating typical input and output connections for the MOREFAND F4-PRO mixer, including microphones, instruments, and playback devices.

1. **Power Connection:** Connect the provided DC 12V power adapter to the mixer's power input socket and then to a suitable power outlet. Do not power on the unit yet.

2. Input Devices:

- **Microphones:** Connect XLR microphones to the MIC inputs (Channels 1-2). If using condenser microphones, ensure +48V phantom power is off before connecting, then activate it.
- **Instruments/Line Devices:** Connect instruments (e.g., keyboards, guitars with preamps) or other line-level devices to the 6.35mm TRS LINE IN inputs.
- **Stereo Devices (Channels 3/4):** Connect stereo line-level sources (e.g., CD players, media players) to the L/R 6.35mm TRS inputs for Channel 3/4.

3. Output Devices:

- **Main Output:** Connect the MAIN L/R outputs (6.35mm TRS) to your amplifier, powered speakers, or recording interface.
- **Headphones:** Connect headphones to the PHONES output for monitoring.
- **Auxiliary Output:** Connect the AUX SEND output to a stage monitor, external effects processor, or headphone amplifier.

4. **Initial Power On:** Ensure all volume faders and gain knobs are set to their minimum positions. Turn on the

mixer using the Power Switch.

6. OPERATING INSTRUCTIONS

6.1. Basic Mixing

1. **Adjust Gain:** For each active input channel, slowly increase the GAIN knob until the PEAK LED flashes only occasionally during the loudest parts of the signal.
2. **Set Channel Volume:** Gradually raise the channel volume fader to an audible level.
3. **Adjust Main Output:** Slowly raise the MAIN output fader to achieve the desired overall volume. Monitor the MAIN output level indicators to avoid clipping.
4. **Equalization:** Use the HIGH, MID, and LOW EQ knobs to shape the tone of each channel. Turn clockwise to boost frequencies, counter-clockwise to cut.
5. **Panorama:** Use the PAN knob to position the sound of each channel in the stereo field.

6.2. Bluetooth Connectivity

1. Press the MODE button in the USB/Sound Card section until 'BLUE' is displayed.
2. On your Bluetooth-enabled device (e.g., smartphone, tablet), search for available devices.
3. Select 'MOREFAND MIXER' from the list to pair.
4. Once paired, audio from your device will play through Channels 3/4. Adjust the volume using the Channel 3/4 fader and your device's volume controls.

7. RECORDING OPTIONS

The F4-PRO offers multiple ways to record your audio. Choose the method that best suits your needs.



Multiple Recording Ways

Supports Recording to USB Flash Drive, RCA Recording to Tape/CD Player, Sound Card OTG output Recording, and USB link to Computer Recording.



Insert USB Flash
Record to USB drive



Connect the Computer
Record by the DAW



Connect the Device
Record by
Sound Card Output



Connect the Recorder
Record to Tape/CD

24Bit 48KHz
HiFi Sound



Image 7.1: Visual guide demonstrating various recording methods: USB flash drive, DAW computer integration, sound card OTG output, and traditional tape/CD recording.

7.1. USB Flash Drive Recording

1. Insert a formatted USB flash drive into the USB expansion port.
2. Press the REC button in the USB/Sound Card section to start recording. The REC indicator will illuminate.
3. Press REC again to stop recording. The recorded file will be saved to the USB drive.

7.2. Computer DAW Integration (USB Audio Interface)

1. Connect the mixer to your computer via a USB cable.
2. The mixer will be recognized as an audio input/output device. Select it in your Digital Audio Workstation (DAW) software settings.
3. You can now record the main mix directly into your DAW.

7.3. Sound Card OTG Output

For direct recording to mobile devices, connect your smartphone or tablet to the mixer's USB port using an OTG (On-The-Go) adapter. The mixer will function as an external sound card, allowing you to record directly into compatible mobile recording applications.

7.4. Traditional Tape/CD Recording

Connect the RCA outputs (REC OUT) of the mixer to the input of a tape recorder or CD recorder for traditional analog recording.

8. DIGITAL EFFECTS (DSP)

The F4-PRO features a built-in 24-bit multi-FX processor with 99 digital effects, including various reverbs, delays, and vocal effects.

DSP-99 Multi-FX Digital Reverb & Delay

24-Bit MULTI-FX Processor

00-02 WARM ROOM	50-54 MALE VOICE
03-05 BRIGHT ROOM	55-59 FEMALE VOICE
06-08 HALL	60-64 MALE VOICE ECHO
09-11 CHAPEL	65-69 FEMALE VOICE ECHO
12-14 CHURCH	70-72 MALE VOICE REVERB
16-20 PLATE	73-75 FEMALE VOICE REVERB
21-32 KARAOKE 1	76-79 AUTOWAH
33-44 KARAOKE 2	80-89 PINGPONG DELAY
45-49 GUITAR CHORUS	90-99 LONG DELAY

Image 8.1: Display of the 99 DSP multi-effects, categorized by type such as Warm Room, Bright Room, Hall, Chapel, Plate, Church, Karaoke, Guitar Chorus, Male/Female Voice, Echo, Reverb, Autowah, and Delay.

- Select Effect:** Rotate the PROGRAM knob in the FX section to browse through the 99 available effects. The selected effect number will be displayed. Press the PROGRAM knob to confirm your selection.

- 2. **Adjust Effect Parameters:** Rotate the PARAMETER knob to adjust specific settings of the selected effect (e.g., decay time for reverb, delay time for echo).
- 3. **Apply Effect to Channels:** Use the FX knob on each individual channel to send a portion of that channel's signal to the DSP effects processor.
- 4. **Adjust Overall Effect Volume:** Use the FX VOL fader in the master section to control the overall volume of the processed effects in the main mix.

9. SPECIFICATIONS

Below are the technical specifications for the MOREFAND F4-PRO 4-Channel Audio Mixer.



Product Dimensions

Measurements in parentheses are in "inches".



42mm(1.65in)

250mm(9.84in)

190mm(7.48in)



Hand measurements may have some margin of error.
The accurate dimensions are subject to the actual product.

Image 9.1: Diagram showing the physical dimensions of the MOREFAND F4-PRO mixer: 250mm (9.84in) length, 190mm (7.48in) width, and 42mm (1.65in) height.

Feature	Specification
---------	---------------

Feature	Specification
Model Number	MIXER-F4 PRO
Number of Channels	4
DSP Effects	99 Multi-FX (24-bit)
Phantom Power	+48V
Connectivity Technology	USB, Bluetooth
Power Source	AC Power (12V)
Product Dimensions	9.84"D x 7.48"W x 1.65"H (250 x 190 x 42 mm)
Item Weight	5.5 pounds (2.5 kg)

10. TROUBLESHOOTING

If you encounter issues with your F4-PRO mixer, refer to the following common problems and solutions:

- **No Sound Output:**
 - Check all cable connections (inputs, outputs, power).
 - Ensure all gain knobs and faders (channel and main) are set to appropriate levels.
 - Verify that your speakers/amplifier are powered on and connected correctly.
 - If using phantom power, ensure it is activated for condenser microphones.
- **Distorted Sound:**
 - Reduce GAIN knobs if the PEAK LED is constantly lit.
 - Lower channel faders or the MAIN output fader if the main level indicators are consistently in the red.
 - Check input source levels to ensure they are not overdriving the mixer.
- **No Bluetooth Connection:**
 - Ensure the mixer is in Bluetooth mode ('BLUE' displayed).
 - Make sure your device's Bluetooth is enabled and it is searching for devices.
 - Try unpairing and re-pairing the device.
- **USB Recording Not Working:**
 - Ensure the USB flash drive is properly inserted and formatted (FAT32 recommended).
 - Check if the REC button was pressed to initiate recording.
 - Verify there is sufficient space on the USB drive.

11. MAINTENANCE

- **Cleaning:** Regularly wipe the mixer's surface with a soft, dry, lint-free cloth. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the mixer in a clean, dry environment, away from extreme temperatures and direct sunlight.
- **Cable Management:** Avoid bending or kinking cables excessively to prevent damage.

12. WARRANTY AND SUPPORT

The MOREFAND F4-PRO Audio Mixer comes with a standard manufacturer's warranty. For specific warranty terms, please refer to the documentation included with your purchase or contact MOREFAND customer support. If you require technical assistance or have questions not covered in this manual, please visit the official MOREFAND website or contact their customer service department for further support.

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

Email

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

Details

Submit question

Open the live page

<https://manuals.plus/asin/B0F7WV7ZTN>

More documents and user manuals: <https://manuals.plus/>