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MACKIE ProFX3v Series Analog Mixers with Enhanced FX USB Recording Modes and Bluetooth User Guide

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Contents

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Product Information

Specifications

- Product: ProFXv3+ Analog Mixers with Enhanced FX, USB Recording Modes and Bluetooth
- Website: **www.mackie.com**
- **Languages:** English (EN)

Product Usage Instructions

Important Safety Instructions

1. Read these instructions carefully before using the product.
2. Keep these instructions for future reference.
3. Follow all warnings and instructions provided.
4. Avoid using the apparatus near water to prevent damage.
5. Clean the product only with a dry cloth.
6. Ensure proper ventilation by not blocking any ventilation openings.
7. Leave a minimum distance of 5 cm around the apparatus for sufficient ventilation.
8. Avoid installing the product near heat sources or naked flames.
9. Do not modify the plug or defeat its safety features.
10. Protect the power cord from being walked on or pinched.
11. Only use attachments/accessories specified by the manufacturer.
12. Use the product with a cart, stand, tripod, bracket, or table specified by the manufacturer.
13. When using a cart, exercise caution to prevent tip-over injuries.
14. Unplug the apparatus during lightning storms or when unused for long periods.
15. Refer all servicing to qualified service personnel.
16. Do not expose the apparatus to dripping or splashing.
17. Avoid overloading wall outlets and extension cords to prevent fire or electric shock hazards.

Product Maintenance

To ensure the longevity and optimal performance of the ProFXv3+ Analog Mixer, follow these maintenance guidelines:

- Regularly clean the surface of the mixer with a dry cloth.
- Avoid using liquid cleaners or exposing the product to moisture.
- Keep the ventilation openings free from obstructions.
- Do not attempt to open the product or perform any repairs yourself. Refer servicing to qualified personnel.

Frequently Asked Questions (FAQ)

Q: Can I use the ProFXv3+ Analog Mixer near water?
A: No, it is advised to avoid using the apparatus near water to prevent damage.

Q: What should I do if the provided plug does not fit into my outlet?
A: If the provided plug does not fit, consult an electrician to replace the obsolete outlet.

Q: Can I place objects filled with liquids on the apparatus?
A: No, do not place vases or beer glasses filled with liquids on the apparatus to avoid any dripping or splashing accidents.

Q: How should I clean the ProFXv3+ Analog Mixer?
A: Clean the surface of the mixer only with a dry cloth. Avoid using liquid cleaners as they may damage the product.

Q: Can I open the product to perform repairs?
A: No, do not open the product as it contains no user-serviceable parts. Refer servicing to qualified personnel.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install per the manufacturer's instructions.
8. Minimum distance (5 cm) around the apparatus for sufficient ventilation. The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.
9. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
10. No naked flame sources, such as lighted candles, should be placed on the apparatus.
11. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the replacement of the obsolete outlet.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

13. Only use attachments/accessories specified by the manufacturer.
14. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
15. Unplug this apparatus during lightning storms or when unused for long periods.

PORTABLE CART WARNING

16. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
17. This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, such as vases or beer glasses, shall be placed on the apparatus.
18. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

CAUTION

RISK OF ELECTRIC SHOCK! DO NOT OPEN!

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

- The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure, that may be of significant magnitude to constitute a risk of electric shock to persons.
- The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintaining (servicing) instructions in the literature accompanying the appliance.

19. This apparatus has been designed with Class-I construction and must be connected to a main socket outlet with a protective earthing connection (the third grounding prong).
20. This apparatus has been equipped with a rocker-style AC mains power switch. This switch is located on the rear panel and should remain readily accessible to the user.
21. The MAINS plug or an appliance coupler is used as the disconnect device, so the disconnect device shall remain readily operable.
22. The use of apparatus is in moderate climates.
23. This device should be installed and operated with a minimum distance of 20cm between the radiator & your body.

The product can be sold in all EU countries.

- **Bluetooth transmitter Power:** ≤8dBm
- **Bluetooth transmitter frequency range:** 2.402 – 2.480 GHz

FCC STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, under part

These limits are designed to provide reasonable protection against harmfulinterference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used by the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications to this device not expressly approved by LOUD Audio, LLC. could void the user's authority to operate the equipment under FCC rules. This device complies with Part 15 of the FCC rules and Industry Canada's license-exempt RSS standard(s). Operation is subjected to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications. CAN ICES-003(B)/NMB-003(B)

Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for some time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible noise level exposures shown in the following chart. According to OSHA, any exposure over these permissible limits could result in some hearing loss. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levelsuse hearing protectors while the equipment is in operation. Ear plugs or protectors in the ear canals or over the ears must be worn when operating the equipment to prevent permanent hearing loss if exposure is more than the limits set forth here:

Duration, per day in hours	Sound Level dBA, Slow Response	Typical Example
8	90	Duo in small club
6	92	
4	95	Subway Train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	Matt screaming at Troy about deadlines
0.5	110	
0.25 or less	115	Loudest parts at a rock concert

WARNING — To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Correct disposal of this product: This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.
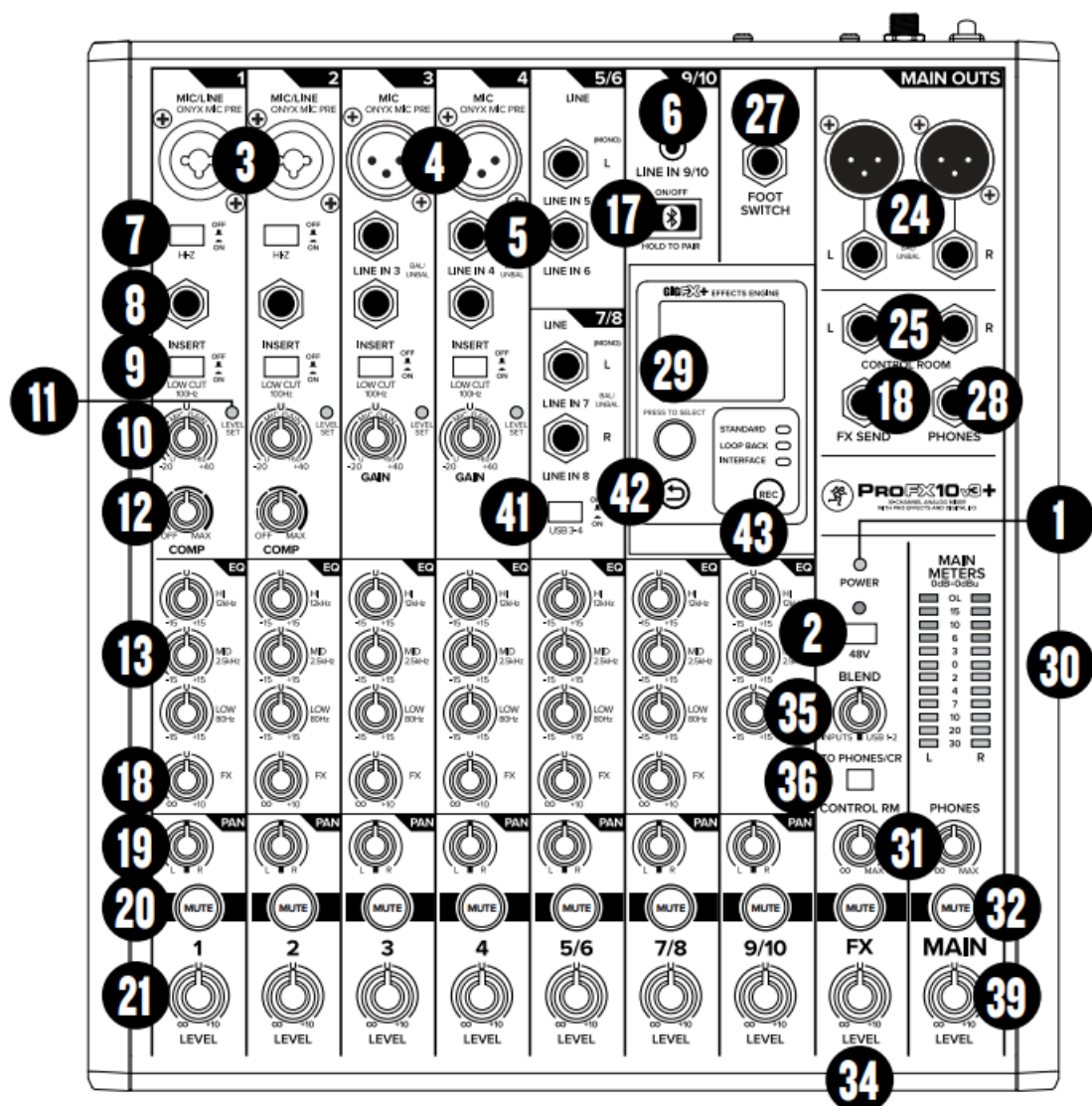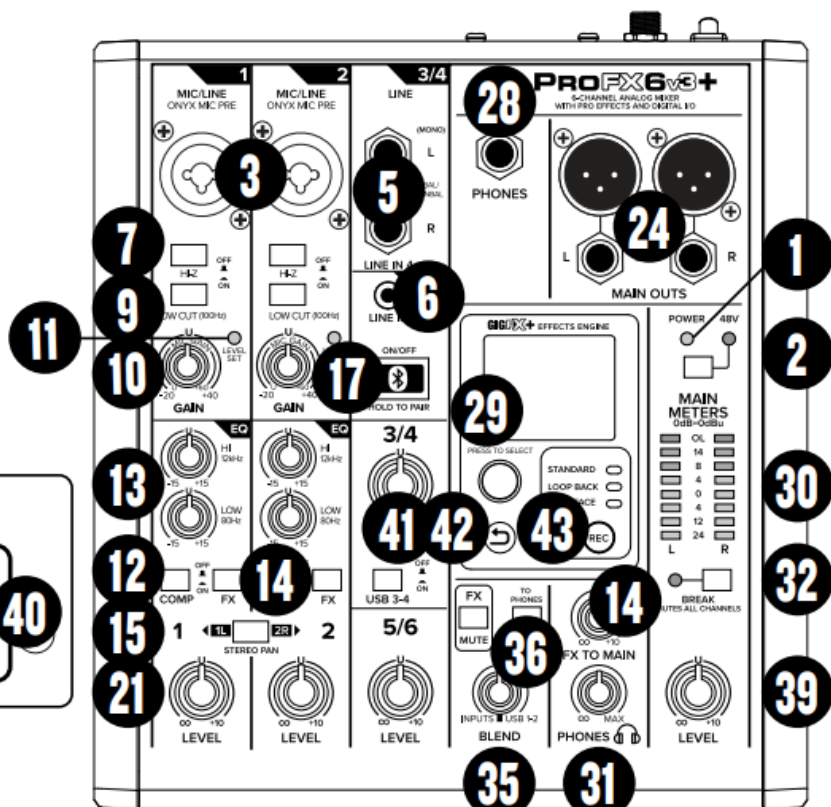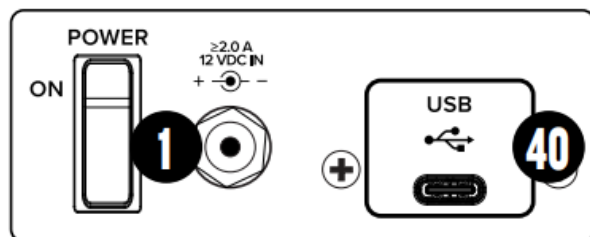
Hookup Diagrams

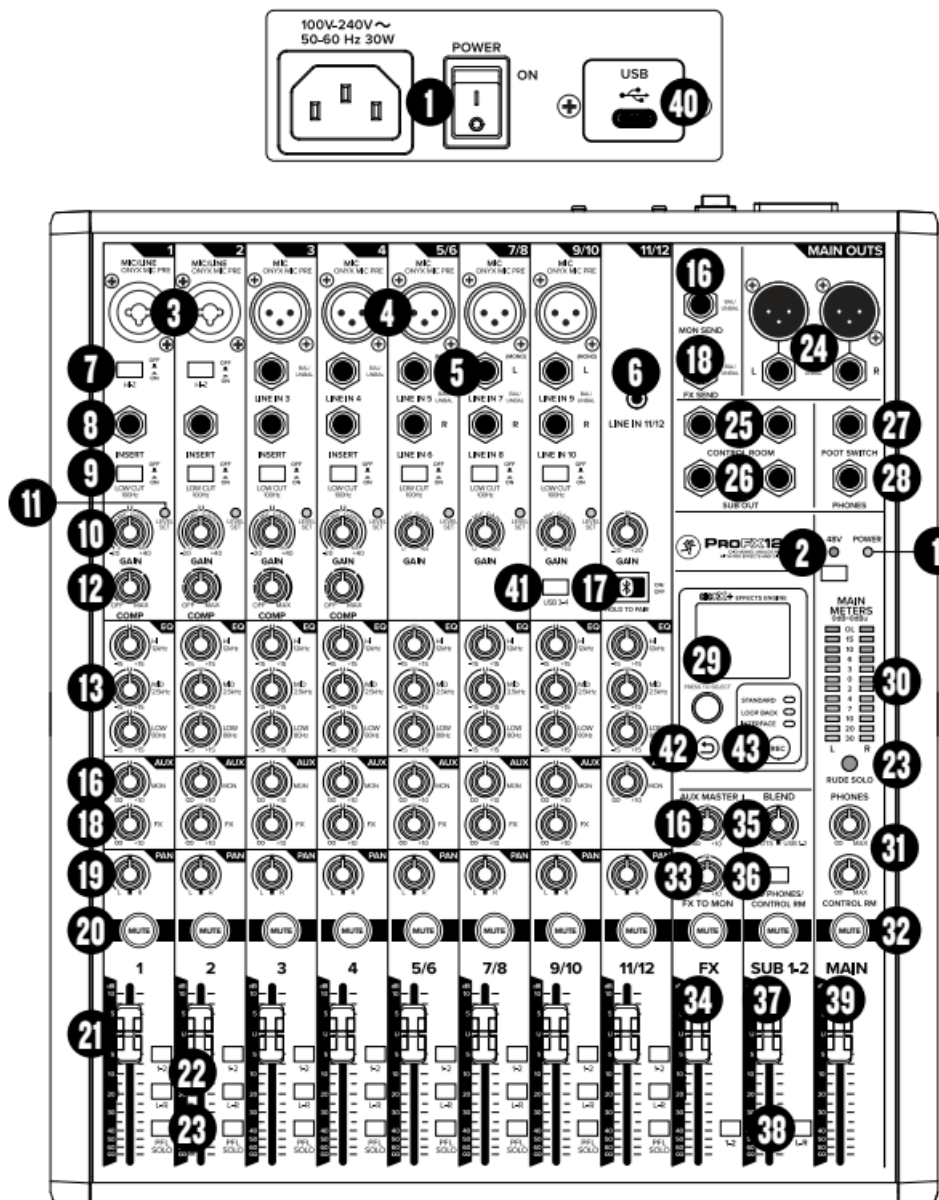### Typical Live Sound System
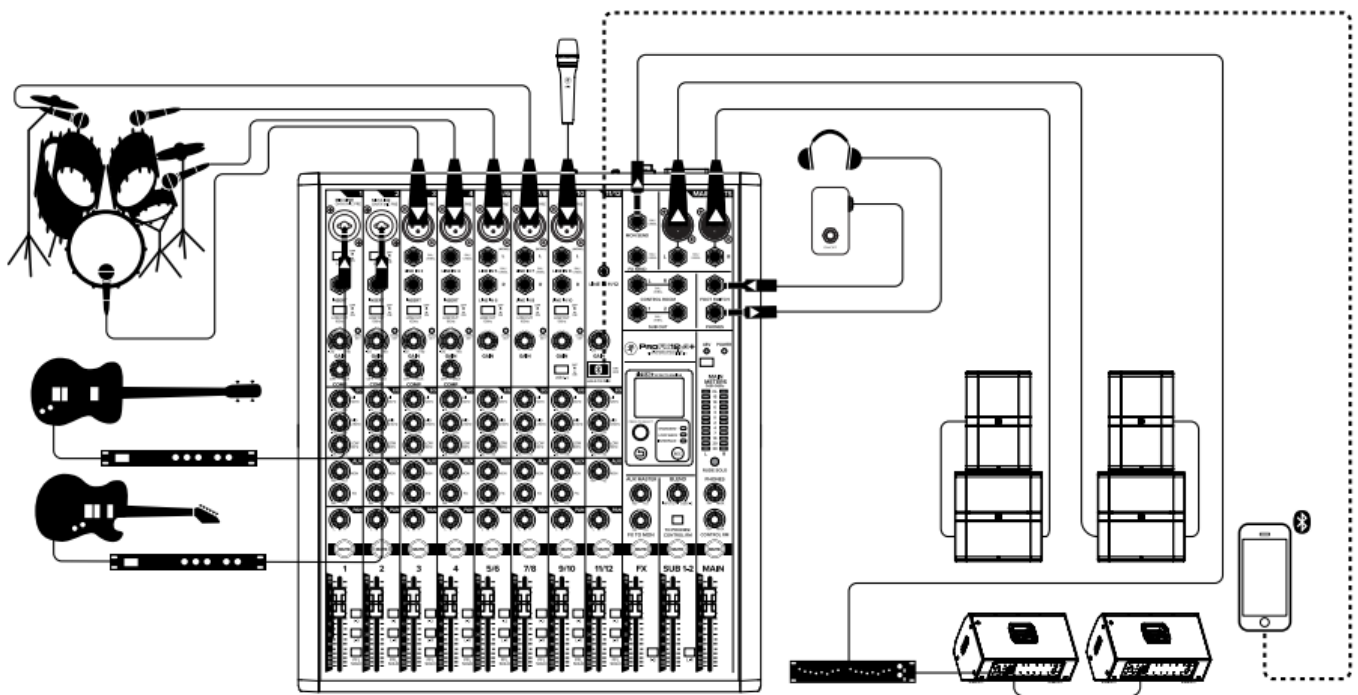
Typical Recording System
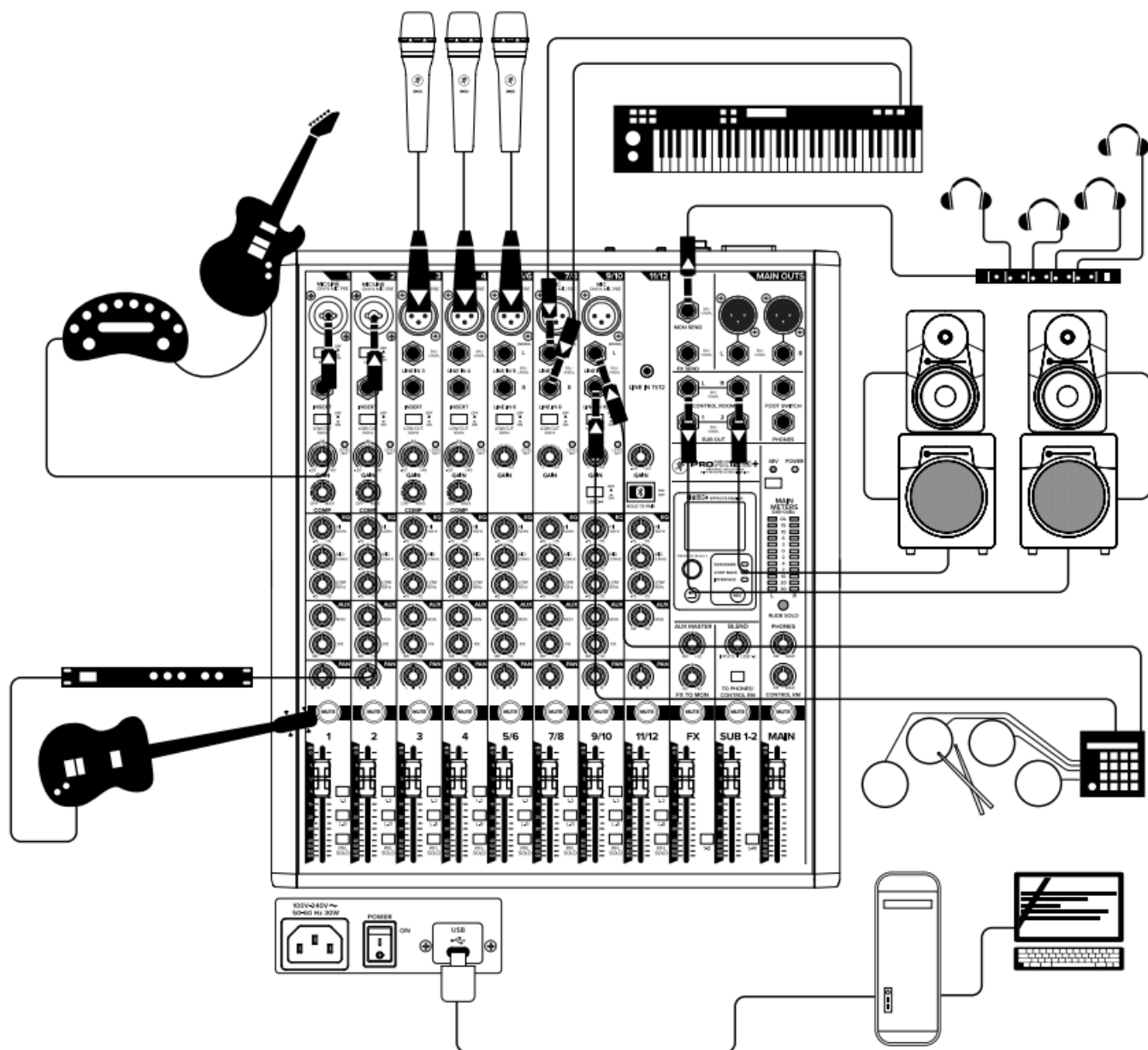
ProFXv3+ Front & Rear Panels

ProFX6v3+ & ProFX10v3+

ProFX12v3+

ProFXv3+ Analog Mixers with Enhanced FX, USB Recording Modes and Bluetooth

Front & Rear Panel Descriptions

1. Power Connector & Switch Connect the supplied AC power cord to this jack. The power switch turns the mixer on and off. The Power LED will illuminate when powered.

2. 48V Phantom Power Switch Provides 48V for mics, affecting all XLR jacks simultaneously. The +48V LED illuminates when phantom power is engaged.

3. Combo Inputs Connect a balanced or unbalanced mic, instrument or line-level signal using an XLR or 1/4″ connector.

4. XLR Inputs Connect a balanced mic or line-level signal using an XLR connector.

5. Line Inputs Connect a balanced or unbalanced line-level signal using a 1/4″ connector.

6. 1/8″ Input Connect an 1/8″ line-level signal from a smartphone, MP3 player, or other signal source.

7. Line/Hi-Z Switch Engage the switch to play a guitar through channels 1-2 without using a DI Box.

8. Insert Connect a serial effects processor, such as a compressor or gate, using a 1/4″ Y cable.

9. Low Cut Switch Cuts bass frequencies below 100 Hz at a slope of 18 dB per octave.

10. Gain Gain ajusts the mic/line input sensitivity.

11. Level Set LED Illuminates green to indicate signal.

12. Compressor Reduces the dynamic range of input signals.

13. Equalization Boost or cut the level at certain frequencies to enhance the sound.

14. FX Switch and Knob Engaging this switch assigns the channel to the FX send. The FX to Main Knob adjusts the FX level of the selected channel from the internal FX processor to the main mix.

15. Pan Assign Switch Engage the switch to fully pan channel 1 to the left and channel 2 to the right.

16. Aux Mon, Mon Send & Master Feed stage monitors via the mon send jacks. Each channel has its own level control and the master adjusts the overall output level.

17. Bluetooth On/Off and Pair Switches Press the button to turn the Bluetooth channel on and off. Press and hold to pair with a Bluetooth device. The Bluetooth may disconnect when affected by Electrostatic Discharge [ESD]. Manually reconnect the Bluetooth connection.

18. Aux FX, FX Send & Master Feeds the internal FX or an external processor via the FX send jack. Each channel has its own level control and the FX master adjusts the overall level sent out to the internal FX and FX outputs.

19. Pan Adjusts how much of the signal is sent to the left and right outputs.

20. Mute Mutes the channel signal. The button illuminates if the mute switch is engaged.

21. Channel Fader Adjusts the level to the main mix.

22. Assign Switches Determines the destination bus(es) of the signal.

23. PFL Solo Switch Allows you to listen to individual channels singly or in combination with other soloed signals. The rude solo LED flashes when solo switches are engaged.

24. Main Out L/R Connect to the inputs of amplifiers, powered speakers, or a serial effects processor.

25. CR Out L/R Feed the inputs of a control room amplifier, studio monitors or a headphone distribution amplifier.

26. Sub Outs Feed the inputs of a multitrack deck or secondary power amplifiers in a complex installation.

27. FX Footswitch Connect a footswitch to mute or un-mute the internal effects.

28. Phones Connect stereo headphones here.

29. Preset Selector and Display Turn the preset selector to choose an effect. The display shows the number of the currently selected effects preset.

30. Main Meters Used to gauge the soloed input or output levels to ensure that the signals are not clipping.

31. CR/Phones Controls the control room and headphones levels.

32. Break Switch and LED Mutes all channel inputs, but allows the USB inputs to pass out of the main outs.

33. Internal FX Routing and FX Assign Switches Route the output of the effect to the monitors, sub outs and mains independently. Assigns the FX to the selected sub outs.

34. FX Return Fader Adjusts the level of the stereo output from the internal FX processor being added to the main mix.

35. Blend Knob Provides a balance of the channel inputs (left) and USB 3-4 return (right).

36. To Phones / Control Room Switch Routes a mix of the inputs and USB 3-4 to CR/phones outs. Mutes main mix in CR/phones outs when engaged.

37. Sub Out Faders Controls the levels of the signals sent to the sub-outs.

38. Sub Assign Switches Assign each subgroup to the main out L/R.

39. The Main Mix Adjusts the level of the signal sent to the main outputs.

40. USB I/O A 2×4 interface allowing you to stream audio to and from the mixer via computer.

41. USB 3/4 Switch Engaging this switch mutes the 1/8″ input, allowing the USB return to flow through the channel instead.

42. Back Button Press this button to return to the previous screen.

43. Record Press the REC button to toggle between the recording modes.

Getting Started

1. Read and understand the Important Safety Instructions on page 2.
2. Turn down all knobs except the channel EQ and pan knobs, and set all the faders fully down.
3. Set all channel EQ knobs and pan knobs at their center detent.
4. Disengage all switches.
5. Connect cords from the main outs to powered speakers (or to an amplifier connected to passive speakers).
6. Push the line cord securely into the mixer's connector and plug the other end into a grounded AC outlet. The mixer may accept the appropriate voltage as indicated near the connector.
7. Turn the mixer on.
8. Turn the powered speakers (or amplifiers) on.
9. Plug signal sources into the mixer, such as:
   - Microphones plugged into the mic inputs. (Engage phantom power if needed.)
   - Line-level sources such as keyboards, drum machines, or CD players plugged into the line-level inputs.
   - Smartphone paired and connected via Bluetooth.
10. Be sure that the volume of the input is the same as it would be during normal use.
11. Engage the channel's L-R assign switch (ProFX12v3+) and turn up that channel's fader to the "U" (unity gain) position.
12. Slowly bring up the main fader to a comfortable listening level.
13. Repeat steps 9 to 11 for the other channels.

Technical Specifications

	ProFX6v3+	ProFX10v3+	ProFX12v3+
Noise Characteristics (150 W Source Impedance Equivalent Input Noise) **Bruit** **(20 Hz – 20 kHz)**	Mic in to insert send out, max gain: –126 dBu Residual Output Noise: All outputs, master levels and channel levels off: – 95 dBu All outputs, master levels unity, 1 channel level unity: –80 dBu Entrada de micro a salida de envío de inserción, ganancia máxima: –126 dBu Ruido de salida residual: Todas las salidas, niveles máster y de canal en off: – 95 dBu Todas las salidas, niveles máster a unitario, nivel de 1 canal a unitario: –80 dBu Entrée micro vers départ Insert, gain au max: –126 dBu Bruit de sortie résiduel : Toutes les sorties, niveau principal et des entrées au minimum: – 95 dBu Toutes les sorties, niveau principal à l'unité, 1 niveau de voie à l'unité : –80 dBu Mic In auf Insert Send Out, max. Gain: –126 dBu Rauschspannungsabstand: Alle Ausgänge, Master-Pegel und Kanalpegel aus: 95 dBu Alle Ausgänge, Master-Pegel auf Unity, 1 Kanalpegel auf Unity: –80 dBu		
Frequency Response	Mic input to any output (Gain at unity): +0, –1 dB, 20 Hz – 30 kHz Entrada de micro a cualquier salida (Ganancia unitaria): +0, –1 dB, 20 Hz – 30 kHz Entrée micro vers n'importe quelle sortie (gain à l'unité): +0, –1 dB, 20 Hz – 30 kHz Mic In auf beliebigen Ausgang (Gain auf Unity): +0, –1 dB, 20 Hz – 30 kHz		

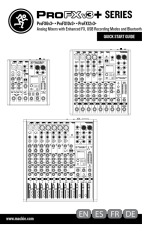|			
Distortion (THD+N)	Mic Input to Main Output (22 Hz – 80 kHz): <0.02% @ +4 dBu output Entrada de micro a salida principal (22 Hz – 80 kHz): <0.02% @ +4 dBu salida Entrée micro vers sortie Main (22 Hz – 80 kHz): <0.02% @ +4 dBu en sortie Mic In auf Main Out (22 Hz – 80 kHz): <0,02 % @ +4 dBu Ausgang		
Attenuation and Crosstalk	Adjacent Inputs @ 1 kHz: –90 dB • Inputs to Outputs @ 1 kHz: –80 dB • Fader Off @ 1 kHz: –75 dB Entradas adyacentes @ 1 kHz: –90 dB • Entradas a salidas @ 1 kHz: –80 dB • Fader off @ 1 kHz: –75 dB Entrées adjacentes @ 1 kHz: –90 dB • Entrées vers sorties @ 1 kHz: –80 dB • Fader au minimum @ 1 kHz: –75 dB Nachbareingänge @ 1 kHz: –90 dB • Eingänge auf Ausgänge @ 1 kHz: –80 dB • Fader aus @ 1 kHz: –75 dB		
	Mute Switch / Break Switch Mute @ 1 kHz: –90 dB Interruptor Mute / Break @ 1 kHz: –90 dB Fonction Mute / Break activée @ 1 kHz: –90 dB Mute-Taste / Break-Taste Mute @ 1 kHz: –90 dB		
Maximum Levels Niveles	All inputs: +22 dBu • Main Mix XLR: +28 dBu • All other outputs: +22 dBu Todas las entradas: +22 dBu • Mezcla principal XLR: +28 dBu • Resto de salidas: +22 dBu Toutes les entrées : +22 dBu • Main Mix XLR : +28 dBu • Toutes les autres sorties : +22 dBu Alle Eingänge: +22 dBu • Main Mix XLR: +28 dBu • Alle anderen Ausgänge: +22 dBu		
USB	Format: USB 2.0, 1 Stereo Input / 2 Stereo Outputs • A/D/A: 24 bit, 44.1 kHz, 48 kHz, 96kHz, 192kHz Formato: USB 2.0, 1 Entrada / 2 Salidas stereo • A/D/A: 24 bit, 44.1 kHz, 48 kHz, 96kHz, 192kHz Format : USB 2.0, 1 Entrée stéréo / 2 sorties stéréo • A/D/A: 24 bit, 44.1 kHz, 48 kHz, 96kHz, 192kHz Format: USB 2.0, 1 Stereo-Eingang / 2 Stereo-Ausgänge • A/D/A: 24 bit, 44.1 kHz, 48 kHz, 96kHz, 192kHz		
Operating Temperature	0–40˚ C // 32–104˚ F		
AC Universal Supply	Output: 12V 2A Input: 100VAC–240VAC, 50-60 Hz, 0.8A	100VAC–240VAC, 50-60 Hz	
Size (H × W × D)	2.9 × 7.5 × 8.4 in 74 × 191 × 213 mm	3.3 × 10.7 × 11.9 in 84 × 272 × 302 mm	4.0 × 13.0 × 14.8 in 102 × 330 × 376 mm
Weight	2.6 lb 1.2 kg	4.9 lb 2.2 kg	7.9 lb 3.6 kg

WARRANTY AND SUPPORT

- Visit **WWW.MACKIE.COM** to:
- Identify WARRANTY coverage provided in your local market. Please keep your sales receipt in a safe place.
- Retrieve a full-version, printable OWNER'S MANUAL for your product.
- DOWNLOAD software, firmware and drivers for your product (if applicable).
- REGISTER your product.
- CONTACT Technical Support.

19820 NORTH CREEK PARKWAY #201 • BOTHELL, WA 98011 • USA Phone: 425.487.4333 • Toll-free: 800.898.3211 • Fax: 425.487.4337

Documents / Resources

MACKIE ProFX3v Series Analog Mixers with Enhanced FX USB Recording Modes and Bluetooth [pdf] User Guide
ProFX3v Series Analog Mixers with Enhanced FX USB Recording Modes and Bluetooth, ProFX3v Series, Analog Mixers with Enhanced FX USB Recording Modes and Bluetooth, Enhanced FX USB Recording Modes and Bluetooth, USB Recording Modes and Bluetooth, Recording Modes and Bluetooth, Modes and Bluetooth

References

- **MACKIE**
- **Drivers/Downloads | MACKIE**
- **User Manual**