MCU Pro
Universal
Control Surface
and Extender





MACKIE MCU Pro Universal Control Surface and Extender User Guide

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MACKIE MCU Pro Universal Control Surface and Extender



Product Specifications

- Product Name: Universal Control Surface & Extender
- Power Input: 7.5V 3.0A-4.0A
- Ports: 4 IN/OUT ports, External Power port
- Features: User Switch, External Control, VPOT Assign, SMPTE BEATS, Rude Solo, EQ, Fader Banks, Global View, MIDI Tracks, Automation, and more.

Product Usage Instructions

Installation and Setup:

Follow these steps to set up the Universal Control Surface & Extender:

- 1. Connect the External Power port to a power source with the specified voltage and current rating.
- 2. Connect your MIDI devices to the appropriate IN/OUT ports on the control surface.
- 3. Ensure proper ventilation around the device and avoid blocking any openings.

Basic Operations:

To use the control surface effectively:

- Press the USER SWITCH to toggle between different control modes.
- Use the REC SIGNAL, SOLO, MUTE, and SELECT buttons for track control.
- Adjust levels using the dB knobs and navigate menus using the ASSIGNMENT controls.

Advanced Features:

Explore the advanced functionalities of the Universal Control Surface & Extender:

- Assign VPOT functions for precise control over tracks and parameters.
- Use EQ, Fader Banks, and Global View options for in-depth mixing and editing.
- Customize MIDI Tracks, Automation settings, and User Modifiers for personalized workflows.

Frequently Asked Questions

• Q: Can I use this control surface with any MIDI device?

A: Yes, the Universal Control Surface & Extender is compatible with a wide range of MIDI devices. Ensure proper connections for optimal performance.

Q: How do I switch between different control modes?

A: Press the USER SWITCH button to cycle through the available control modes on the device.

• Q: What is the purpose of the VPOT Assign feature?

A: The VPOT Assign function allows you to assign specific parameters or controls to the rotary encoders for quick access and adjustment.

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 in accordance with the manufacturer's instructions.
- 8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9. Do not defeat the safety purpose of the polarized or grounding-type plug.
 - A polarized plug has two blades with one wider than the other. A groundingtype 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 replacement of the obsolete outlet.
- 10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11. Only use attachments/accessories specified by the manufacturer.
- 12. 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 tipover.
- 13. Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14. 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.
- 15. 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.

- 16. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- 17. The MAINS plug or an appliance coupler is used as the disconnect device, so the disconnect device shall remain readily operable.

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 PERSONNE
- The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the prescence 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 prescence of important operating and maintaining (servicing) instructions in the literature accompanying the appliance.
- 18. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.
 - These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with 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 Technologies Inc. could void the user's authority to operate the equipment under FCC rules.
- 19. This apparatus does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

ATTENTION 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 a period of 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 in excess of 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 levels use 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 in order to prevent permanent hearing loss if exposure is in excess of the limits set forth here:

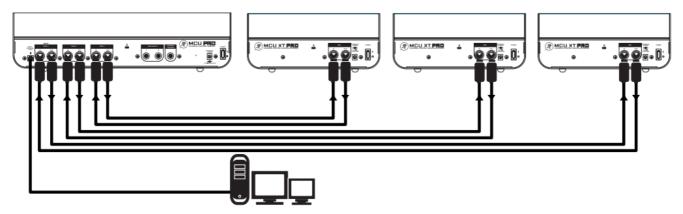
Duration, per day in hours	Sound Level dBA, Slow Response	Typical Example
8	90	Duo in small club
6	92	
4	95	Subway Train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	Greg screaming at Troy about deadlines
0.5	110	
0.25 or less	115	Loudest parts at a rock concert

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

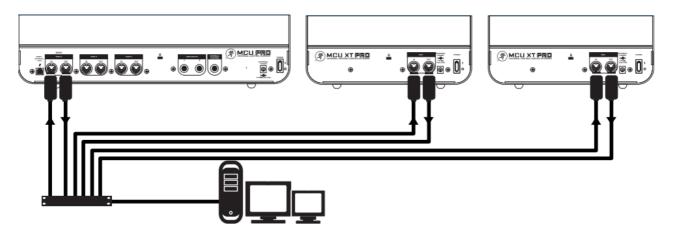
Correct disposal of this product: This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2012/19/EU) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic 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

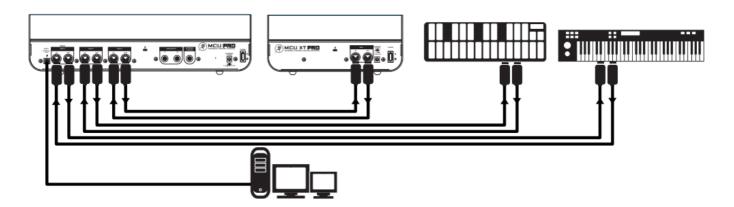




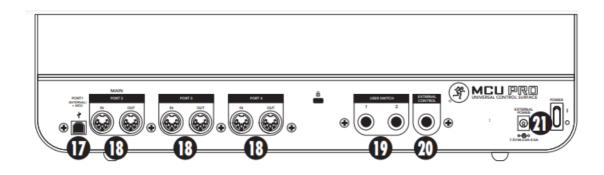
MIDI

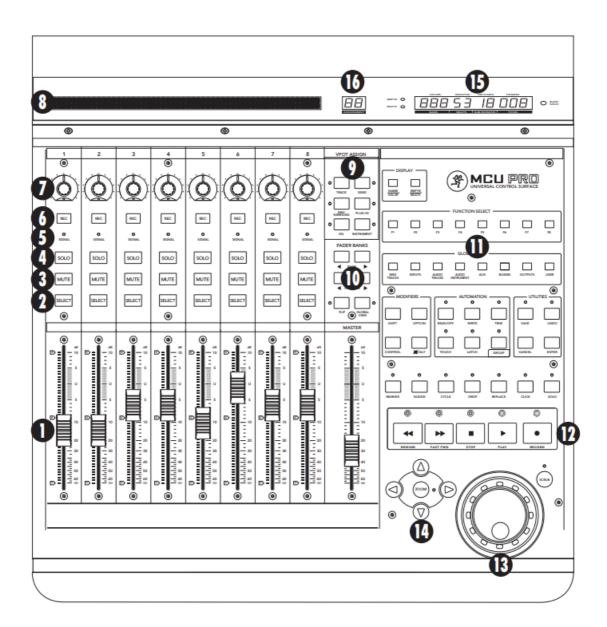


With Multiple MIDI Devices



PRODUCT IDENTIFICATION





- 1. Faders Adjusts the channel's levels, aux returns, MIDI tracks and master fader levels.
- 2. Select Selects the channel for editing or assignment commands.
- 3. Mute Mutes the channel signal.
- 4. Solo 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.
- 5. Signal LED Illuminates when signal is present.
- 6. Rec Arms/disarms the corresponding track for recording.
- 7. V-Pot Press to change modes of operation or what appears on the scribble strip. Rotate to adjust a channel's pan, send level, or plug-in parameters.
- 8. Scribble Strip Displays track names, plug-in parameters and other information.

- 9. V-Pot Assign Assign functions to the V-Pots.
- 10. Banks and Channels Pressing the left or right BANK button jumps over to the adjacent eight channels. Pressing the left or right CHANNEL button jumps over to the next adjacent channel.
- 11. Function Select Functions vary depending on the DAW application. Place the overlay for the DAW over this section to see the correct labeling. Refer to the DAW's documentation to find out how it operates with the MCU Pro.
- 12. Transport Standard transport control buttons: Rewind, Fast Fwd, Stop, Play, Record.
- 13. Jog / Shuttle Wheel The button toggles between Jog and Shuttle. Rotate the wheel for editing DAW audio.
- 14. Zoom and Navigation Buttons Allows you to navigate around the graphic editor in the DAW.
- 15. Time Display Displays the time location of the project.
- 16. Mode LED Display Displays the current mode of operation for the channel strips.
- 17. USB I/O A 4×4 MIDI interface.
- 18. Port [MIDI In / Out] Connect to the input/output ports of MIDI-equipped devices.
- 19. User Switch 1 and 2 Connect momentary footswitches here to control functions as configured in the DAW.
- 20. External Control Connect a variable control to control functions as configured in the DAW.
- 21. Power Connector & Switch Connect the supplied AC power cord to this jack. The power switch turns the mixer on and off

Getting Started

- 1. Read and understand the Important Safety Instructions on page 2.
- 2. Connect the controller to a computer with a USB cable and/or connect the controller to a MIDI interface via MIDI cables. See hookup diagrams on page 6.
- 3. Connect one end of the external power supply to the controller and plug the other end into a grounded AC outlet.
- 4. Turn the controller on.
- 5. Select a mode of operation: Mackie Control, HUI, or Logic Control.
- 6. Launch the software program of choice.
- 7. Select your software's console or surface manager setup window.
- 8. Select the Mackie Control in the MIDI device setup section of the DAW.
- 9. Go to the MCU Pro software section on our website for details on using the MCU Pro with your application.

Technical Specifications

	MCU Pro	MCU XT Pro	
Input / Output Entrada / Salida Entrée / Sortie Eingang / Ausgang	Midi in / Midi out		
USB	Format: USB 1.1		
Power Requirements Alimentación Alimentation Spannungsbedarf	7.5V DC, 3.0A – 4.0A External AC-DC Adapter: 1.0A, 100 VAC – 240 VAC, 50 – 60 Hz		
Size (H x W x D) Tamaño (A x L x P) Dimensions (H x L x P) Abmessungen (H x B x T)	4.4 x 16.5 x 16.9 in 113 x 419 x 429 mm	4.4 x 10.1 x 16.9 in 113 x 256 x 429 mm	
Weight Peso Poids Gewicht	16.8 lb / 7.6 kg	11.0 lb / 5.0 kg	

All specifications subject to change

WARRANTY AND SUPPORT

Visit **WWW.720TREES.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.

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Phone: 425.487.4333 • Toll-free: 800.898.3211 Fax: 425.487.4337 • www.720trees.com

Documents / Resources



MACKIE MCU Pro Universal Control Surface and Extender [pdf] User Guide MCU Pro, XT Pro, MCU Pro Universal Control Surface and Extender, MCU Pro, Universal Control Surface and Extender, Control Surface and Extender, Surface and Extender, and Extender, Extender

References

- **3** 720TREES.COM
- User Manual

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