



MIDIPLUS FIT

Mixing Control Surface for Waves eMotion LV1

User Guide

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Introduction

Thank you for choosing the MIDIPLUS FIT controller, an intuitive control surface designed to function as a fully-integrated fader bank for the Waves eMotion LV1 digital mixing console. MIDIPLUS FIT features 16+1 touch-sensitive motorized faders, 16+1 clickable rotary encoders, and assignable function buttons.

The shipping box contains the following six items:

- FIT mixing control surface
- USB cable
- Power supply
- User guide
- Rack mounting side panels
- Registration card



Safety Instructions and Warnings



Please read the following precautions carefully before use to avoid damaging the equipment or causing personal injury. Precautions include but are not limited to the following:

- Read and understand this user guide. Keep it in a safe place for future reference.
- Disconnect the power and the USB cable before cleaning the device. Use a soft cloth, dry or slightly moistened. Do not use solvents such as gasoline, alcohol, acetone, turpentine, or any other organic solutions. Do not spray a liquid cleaner on the surface or use a wet cloth.
- Turn off the device and disconnect the power if it will not be used for an extended period.
- Do not use the device near water or moisture sources, such as a bathtub, sink, swimming pool, etc. Do not spill any kind of liquid onto the device.
- Do not place the device in an unstable position where it might topple.
- Do not place heavy objects on the device.
- Do not place the device near a heat source or in a location with poor air circulation.
- Do not open the case or insert any object that may cause a fire or electrical shock.
- Unplug the FIT device—and your other electronic devices— during lightning storms.
- Do not use in environments below 0°C / 32 F or above 40°C /104°F.
- Disconnect the device in the event of a gas leak.



	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
ATTENTION: RISQUE DE CHOC ELECTRIQUE- NE PAS OUVRIR		
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC, SHOCK DO NOT REMOVE COVER OR BACK OF THIS DEVICE. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL</p> <p>ATTENTION: POUR EVITER LES RISQUES DE CHOC ELECTRIQUE, NE PAS ENLEVER LE COUVERCLE. AUCUN ENTRETIEN DE PIECES INTERIEURES PAR L'USAGER. CONFIER L'ENTRETIEN AU PERSONNEL QUALIFIE.</p> <p>AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE A LA PLUIE OU A L'HUMIDITE.</p>		



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure, which may be of sufficient 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 maintenance (servicing) instructions in the literature accompanying the appliance.

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



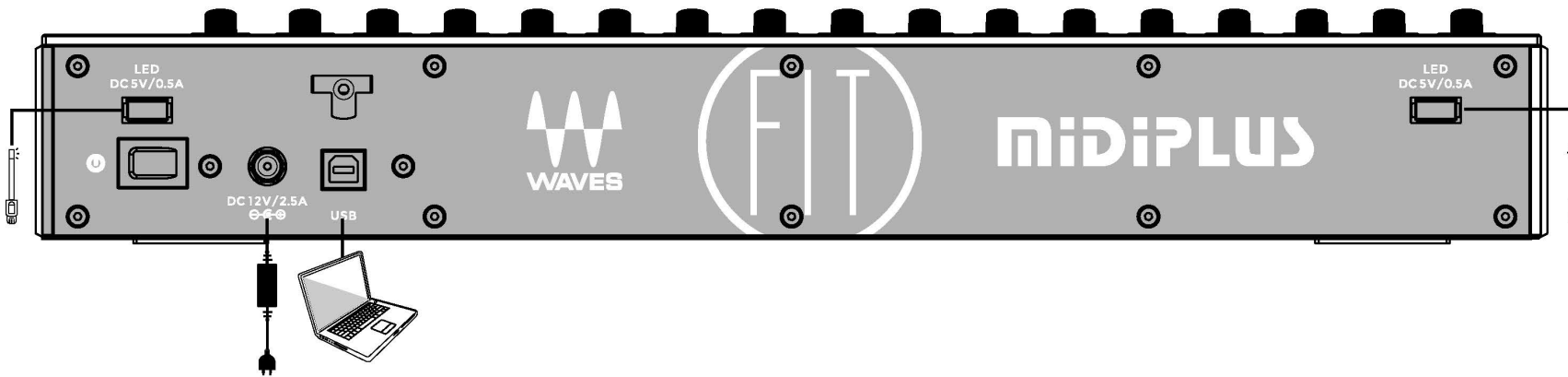
Getting Started

Connect the Hardware

MIDIPLUS FIT is compatible with MacOS and Windows operating systems. Refer to the Waves support pages (<https://www.waves.com/support/tech-specs/system-requirements>) for the latest technical requirements for eMotion LV1 and Waves plugins.

1. Use a USB cable to connect the MIDIPLUS FIT controller to a USB port on the Motion LV1 host computer.
2. Turn on the FIT controller device and your computer will automatically install the necessary drivers.

That's it. Now you're ready to assign and configure FIT with eMotion LV1.



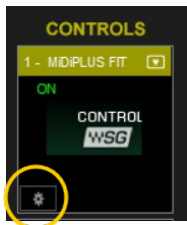
Assign MIDIPLUS to eMotion LV1

If you are not familiar with the eMotion LV1 Settings window and the System Inventory page, please refer to the eMotion LV1 user guide, which can be downloaded from the [waves.com Download page](https://www.waves.com/download).

After connecting FIT to the computer, launch eMotion LV1. Go to the **Settings** window and click the **System Inventory** tab.



The Controls rack is on the right side of the Device Racks. Click on the small arrow and select the MIDIPLUS. FIT is now assigned to this slot.



Press the Gear button on the icon to open the FIT control panel.

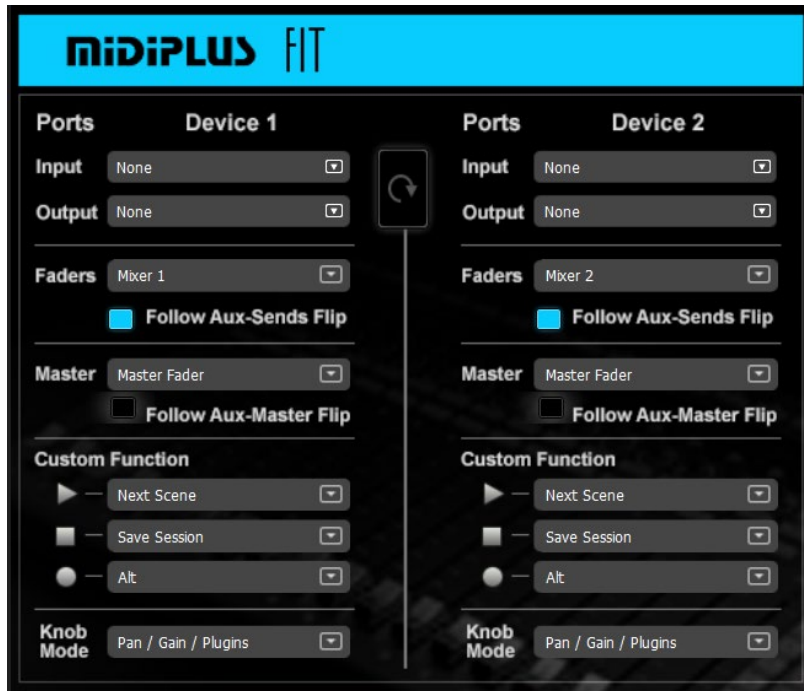


Configure the Device

Use the Control Panel to:

- set the MIDI ports,
- choose which eMotion LV1 Mixer is being controlled,
- and assign custom functions.

One or two FIT controller devices can be mapped to LV1.



Ports: Choose input and output MIDI ports from the drop-down menus.

Faders: Select which LV1 mixer window will be controlled by the MIDIPLUS FIT device. This can be LV1 Mixer 1 or 2, or the controller can operate standalone. If you are using a second FIT controller, you can select “Follow Device 1.” The second device will then serve as an extension of the first device. This expands control to the next LV1 layer, providing a total of 32 consecutive faders.



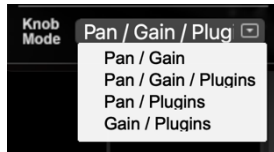
Follow Aux-Sends Flip: In the eMotion LV1 “Sends on Faders” mixer mode, the channel faders control the level of the aux send, not the channel itself. Select Follow Aux-Sends Flip to enable controller faders to follow this behavior. Refer to Mixer > Aux Modes > Sends on Faders for more about using large faders to control aux sends.

Master: Determines the FIT master fader mapping, either following the LV1 master fader or mapping to a specific channel. It can also follow the Aux Flip master when aux is flipped.



The three **Custom Function** drop-down menus map actions to the controller's Record, Stop, and Play buttons. By default, these three buttons are assigned to Next Scene, Save Session, and Alt. Use the drop-down menus to assign other functions to the buttons.

AUTO PLUGIN MAPPING



The **Knob Mode** menu sets the mapping of the FIT rotary encoder knobs to either pan, gain, or plugin control. When knobs are set to Plugin mode, selecting a plugin on-screen will map all its parameters to the FIT knobs. Each knob can map a continuous control (turn), and a toggle control (push).

The two lines in the display above the knob will display the continuous and toggle parameters labels. Some plugins have several control pages; the navigation controls can be used to toggle the pages.

The menu Knob Mode menu sets the sequence of toggling between mapping modes.

PLUGIN MAPPING

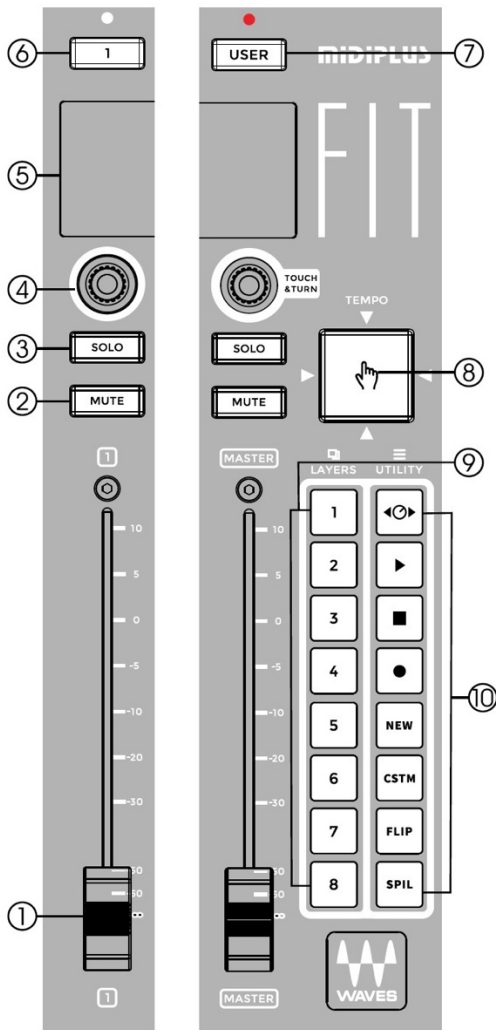
- **FIT Channels 1–12:** Maps 12 continuous controls and 12 toggle controls of the plugin
- **Channel 13:** Not used
- **Channels 14–15:** Previous/Next page
- **Channel 16:** Plugin bypass



Controls

Front Panel

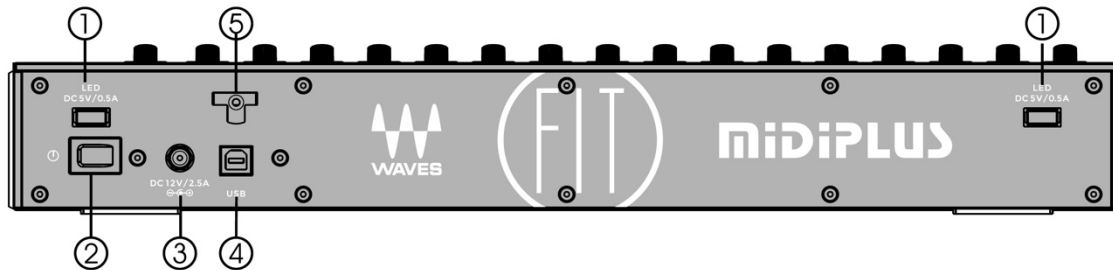
The functions of the knobs and buttons on the MIDIPLUS FIT controller are specifically designed to control the Waves eMotion LV1.



1. Touch-sensitive motorized faders
2. Mute: Turns off the corresponding channel's output signal.
3. Solo: Activates Cue or Solo, depending on the LVI mode.
4. Encoders: Touch and turn to control rotary to control parameters (gain, pan, plugin).
5. Scribble strip: Displays channel and plug-in information.
6. Select buttons: Select the corresponding channel to adjust.
7. User buttons: Maps the 16 LV1 user-assigned keys.
8. Tap tempo pad: Set the tempo by repeatedly tapping the pad. These taps are averaged to create a system BPM.
9. Layers select buttons: Select the mixer channel layer.
10. Utility buttons: Access to the most frequently use functions of your session.



Rear Panel

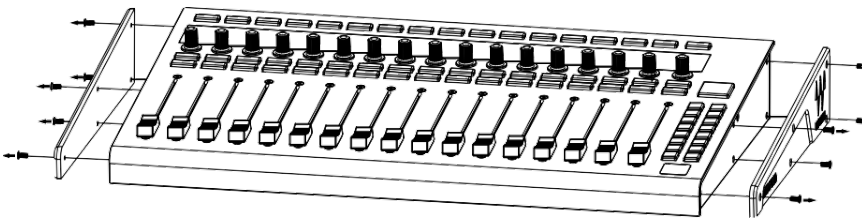


1. USB LED Port: Supply DC 5V, 0.5A output for USB LED light.
2. Power Switch
3. Power Connector: Connects to the power supply provided by MIDIPLUS (DC 12V / 2.5A).
4. USB Port: Connects to a USB port on the host computer.
5. Cable Tie: Holds the power cable in place.

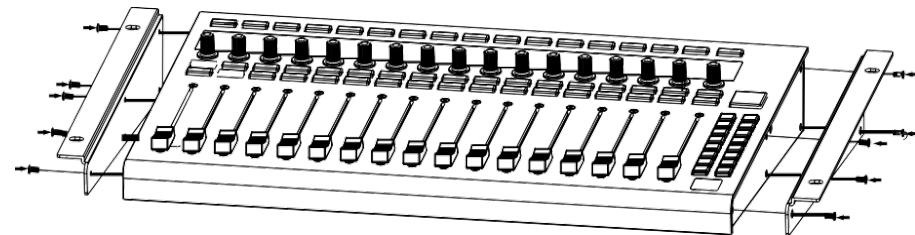
Rack Mounting the Unit

The MIDIPLUS FIT controller can be mounted in a standard 19-inch (482.6 mm) rack. Before mounting, replace the two side panels with the included rack mounting side panels.

STEP 1: REMOVE THE TWO SIDE PANELS



STEP 2: INSTALL THE TWO RACK MOUNTING SIDE PANELS



Use a minimum of four 10/32 screws per device and make sure that the rack is rated for the total weight of the device.



Specifications

Faders	17 touch-sensitive 100mm motorized faders
Encoders	17 clickable rotary encoders
Buttons	17 RGB backlit Select buttons
	17 Blue backlit Solo buttons
	17 Red backlit Mute buttons
	16 RGB backlit Layers select and Utility buttons
Pad	1 RGB backlit Tap tempo pad
Display	17 1.14" TFT LCD
Connectivity	2 USB LED light ports
	1 USB 2.0 high speed port
	1 DC input
Power Supply	DC Power adapter (DC 12V/2.5A, center positive)
Dimensions (W x D x H)	44.9 cm x 28.4 cm x 6.9 cm 17.6 in x 11.18 in x 2.71 in
Weight	4.28 kg / 9.43 lb.

Troubleshooting

If the FIT controller cannot control the eMotion LV1, try this:

1. Make sure the USB cable is connected and the power is turned on.
2. Make sure you have configured your LV1 as described above.

www.waves.com

www.midiplus.com

