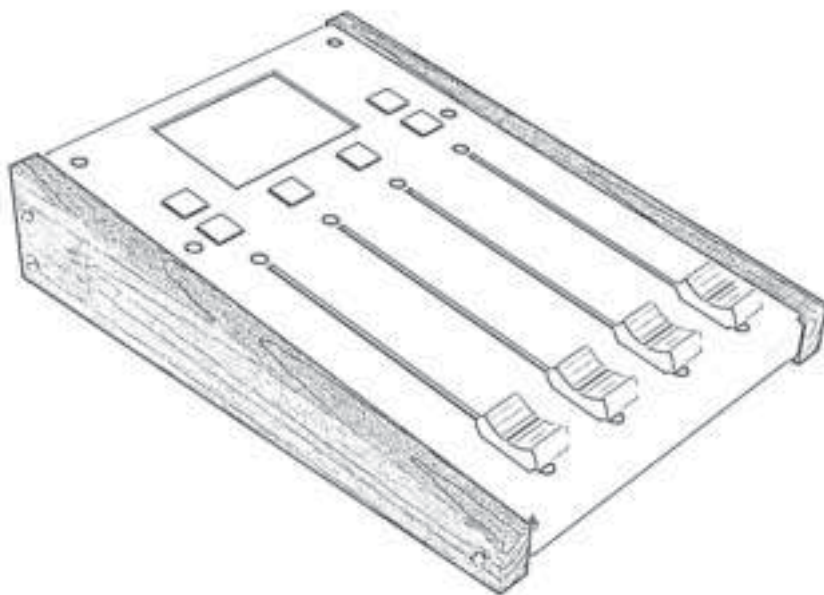


FVDE

USER MANUAL



A Product by:



AUDIO IMPERIA

Manufacturer's Name:
Audio Imperia LLC

Manufacturer's Address:
12647, Caminito Destello, San Diego, California, 92130, United States

Product:
FVDE

Important Safety Instructions

1. Read and keep these instructions.
2. Take notice of all warnings and follow instructions.
3. If the unit requires cleaning, only do so with a dry cloth.
4. Do not install the product near any heat sources (e.g. radiators, stoves or other devices that produce heat).
5. Only use attachments and accessories provided by the Manufacturer.
6. Unplug the product during lightning storms or when unused for extended periods of time.
7. To reduce the risk of electric shock, do not remove the cover of the unit. There are no user serviceable parts inside so refer all servicing to qualified service technicians appointed by the Manufacturer. Servicing is required when the unit has been damaged in any way including being dropped, had liquid spilled on the unit or has been exposed to rain/moisture, debris has fallen into the unit or when the product does not operate normally.
8. No naked flames should be placed on or near the device.
9. This equipment must only be connected to ports with USB2.0 compatibility.
10. DO NOT MODIFY THIS UNIT. Modifications not expressly approved by the Manufacturer may void your authority to use this product. This includes the use of high quality shielded cables included with the product. Failure to do this may cause magnetic interference with appliances such as radios and televisions.

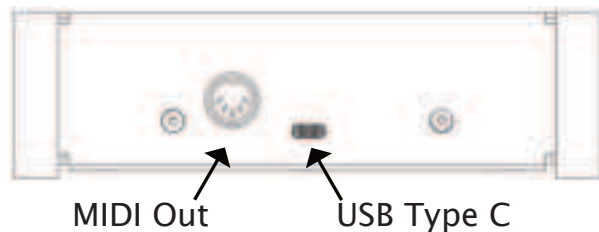
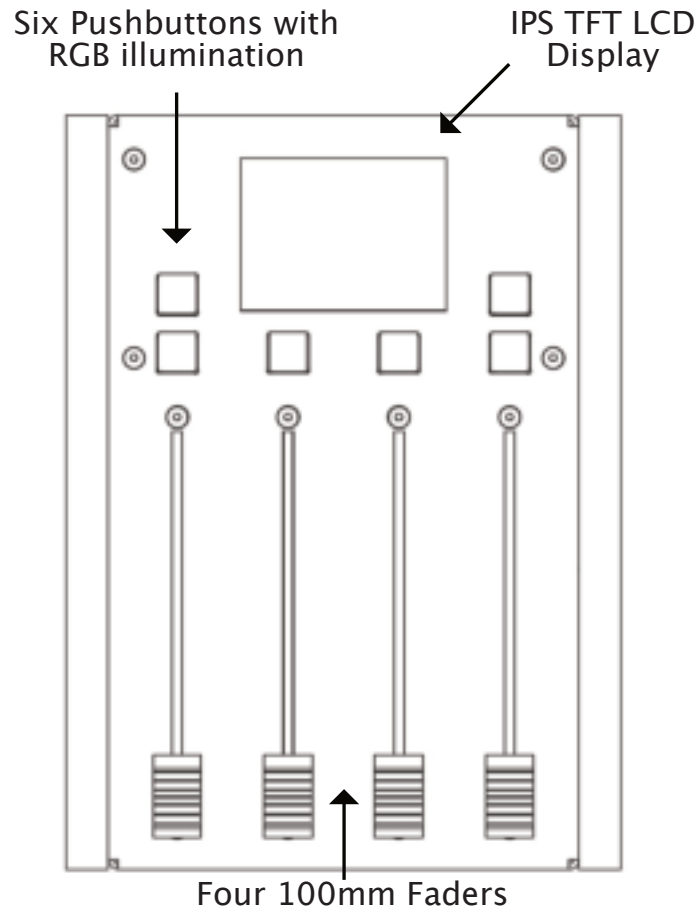
Acknowledgements:

Otago Engineering Ltd	Hardware, Firmware and Software Engineering
The Guitar Workshop	Woodworking
Cranmer Guitars	CNC Operation

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Overview
Introduction
Thank you for purchasing FVDE, a premium MIDI fader controller by Audio Imperia. This device acts as a convenient way to control MIDI CCs in either your DAW, composition tool or outboard MIDI capable devices. This user guide takes you through how to connect the unit and start using it straight away. We recommend that new users take time to read this manual, particularly the safety notices, in order to get the most from the product.
Features
FVDE is a device for composers, musicians and producers for controlling various MIDI CCs. It has four 100mm faders with a smooth action, six buttons with RGB illumination and an IPS TFT LCD display. Each of the inputs (faders and buttons) are user programmable with MIDI channel, CC number, limits on ranges and identification names. It is easy to hook FVDE up to either your computer via USB-C or an external MIDI capable device (or both simultaneously!)
Box Contents
Together with your FVDE unit there should be: • USB Type-C to Type-C cable • USB Type-C to Type-A cable • 4 Rubber feet
System Requirements
Mac: MacOS with a USB 2.0 compliant port running MacOS 10.12 or newer Windows: Windows compatible computer with a USB 2.0 compliant port running Windows 10 or newer.

Hardware Features



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Getting Started

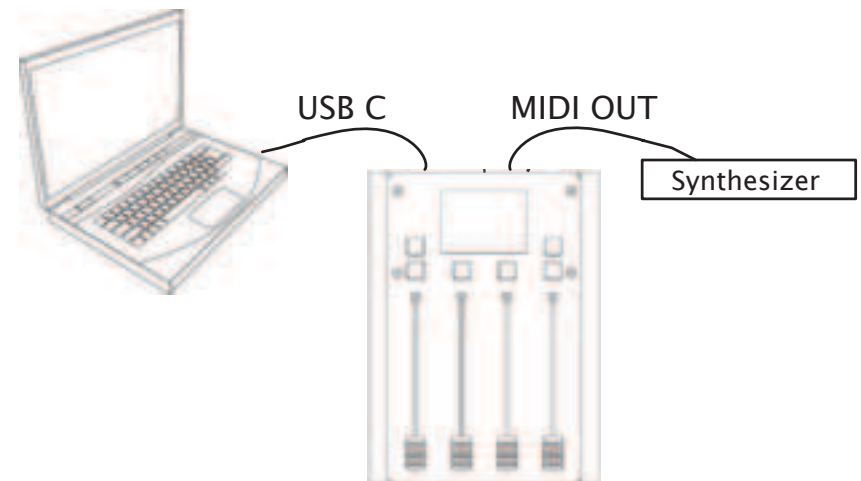
Software Installation

Please install the latest Desktop software and Firmware for your device from this [link](#).

Connecting FVDE

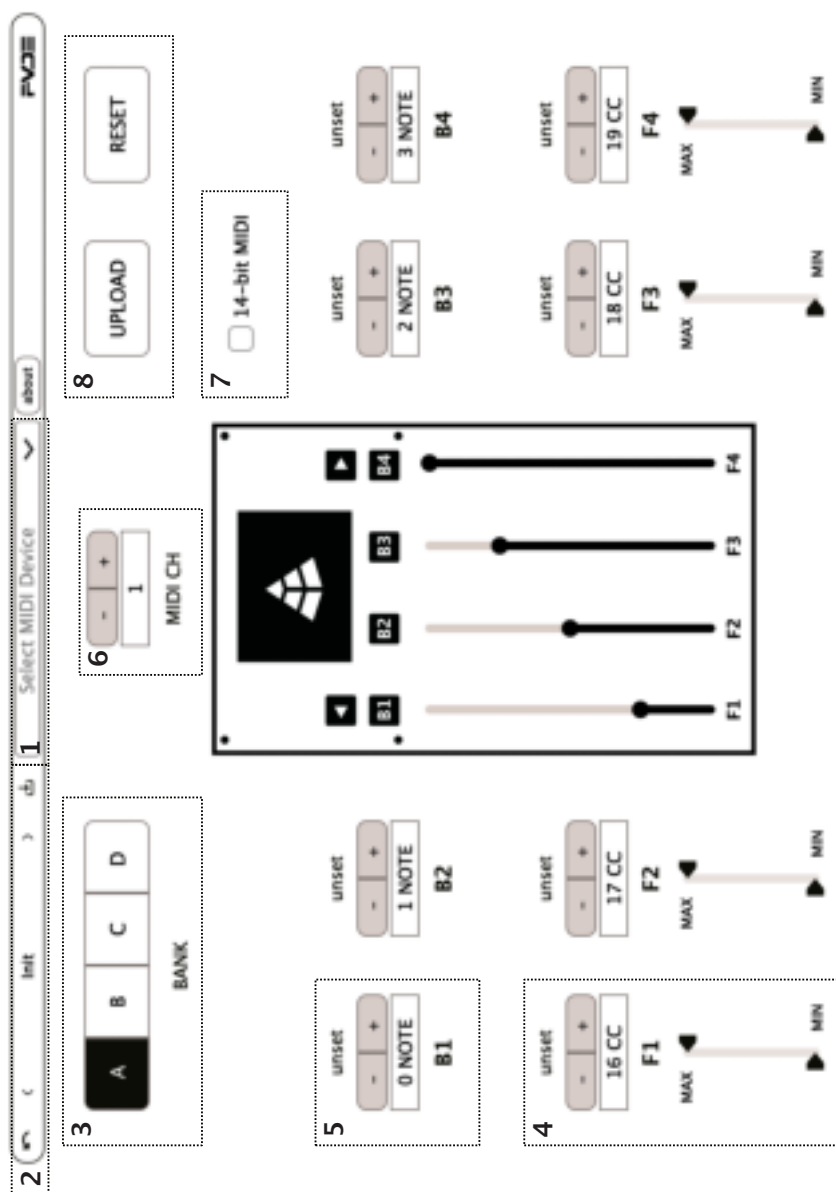
In order to connect FVDE to your computer, simply plug in the USB cable – one end to FVDE and the other to your computer. If you wish to use FVDE to control an external MIDI device, use a standard 5-pin DIN cable (standard MIDI cable) to connect from FVDE to the device, although FVDE will still require a USB connection to power it.

Example of Use



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Desktop Application Diagram



Desktop Application

1. Use this dropdown to select the unit you wish to configure.
2. Use this to select the preset you want to edit. You can also save and upload presets (each preset containing four banks) through this menu.
3. Select the bank you wish to program.
4. Each fader has several parameters you can change:
 - Change the fader name by selecting the '**unset**' text box.
 - Change the assigned CC number for the fader using the '+' and '-' buttons to increment or decrement. Hold and drag for quicker selection.
 - Change the maximum and minimum thresholds for the fader range using the '**Max**' and '**Min**' sliders.
5. Assign the note value for each button using the same method as above.
6. Use the channel selector to change the MIDI channel FVDE communicates on.
7. Toggle between 14-bit and 7-bit modes. The fader CC values and thresholds will update accordingly.
8. Use the **UPLOAD** button to upload the preset to FVDE and use **RESET** to reset the preset to standard values
9. Click '**about**' to display additional information, credits and technical support contact information.

Updating the Device

1. Download the latest firmware update from this [link](#).
2. Launch the FVDE device in 'Bootloader' mode: You can access 'Bootloader' mode by holding down the left bank select button while connecting and powering the device.
3. You should see the device appear as a Mass Storage Device (MSD) on your Computer.
4. Drag and drop the firmware file onto the USB Mass Storage device. The device should reboot after updating and the MSD should eject automatically.
5. Once the firmware is updated, the device is ready to use.

Device Utility Functions

- Press the left and right bank select buttons simultaneously to toggle between displaying fader names and fader CC number.
- Press and hold left and right bank select buttons simultaneously for ten seconds to hard-reset the device to its default state.

Specifications

Connectors	USB-C (USB 2.0) 5 Pin DIN MIDI
Inputs	4x 100mm Faders 6x Silicone Push buttons
Outputs	6x RGB LED 1x IPS TFT LCD Screen 1x USB 1x MIDI
Dimensions	159mm x 218mm x 48mm
Weight	1Kg

Troubleshooting

Troubleshooting the FVDE device:

- Please try restarting the unit by disconnecting and reconnecting the USB cable.
- You can try hard-resetting the device to its default state using the 'Device Reset' instructions.
- You can also try loading the firmware file again as detailed in 'Updating the Device' section.
- If none of the above methods are effective, please get in touch with Audio Imperia and we will do our best to assist.

Troubleshooting FVDE Desktop application:

- Some strange behaviour might occur if you have an old version of the software due to older structured presets. Try deleting the presets at the following location and restarting the app.

Mac: /Users/username/Library/Application Support/AudioImperia/fvde/Library/Presets

Windows: {user.home}\Local Settings\ApplicationData\AudioImperia\fvde\Library\Preset



AUDIO IMPERIA

www.audioimperia.com

info@audioimperia.com

support@audioimperia.com