Psalte

Organ Works Co.

25 Pedal MIDI/USB Pedalboard

MD25MU0101

Owner's Manual

www.psalte.com

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. Use only the cables and attached equipment specified in this manual.
8. Unplug this apparatus during lightning storms or when unused for long periods of time.
9. Refer all servicing to qualified service personnel.
10. Servicing is required when the apparatus has been damaged in any way, such as USB or DIN cable, power supply or plug is damaged, liquid has been spilled or objects have moved into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Note:
This apparatus shall not be exposed to dripping or splashing. No object filled with liquids, such as vases, shall be placed on the apparatus.

When you need to have the apparatus completely disconnected from the MAINS, you must unplug the AC power adapter. For that purpose, locate the apparatus in a way that secures easy access to the AC power adapter.

Important!

Please note the following important information before using this product.

Before using the AC power adapter to power this product, be sure the check the AC adapter for any damage first. Never let children use an AC adapter that is seriously damaged.

This product is not intended for use by children under 3 years of age.
The AC adapter is not a toy.
Be sure to disconnect the AC adapter before cleaning the product.

Do not stand, walk or sit on the pedals of your pedalboard.

Place pedalboard only on a flat level surface capable of withstanding the weight of the pedalboard combined with the force necessary to play it.

When moving the pedalboard do not handle it by the pedals. Use the toe box or heel box to handle the pedalboard for repositioning.

Contents 1

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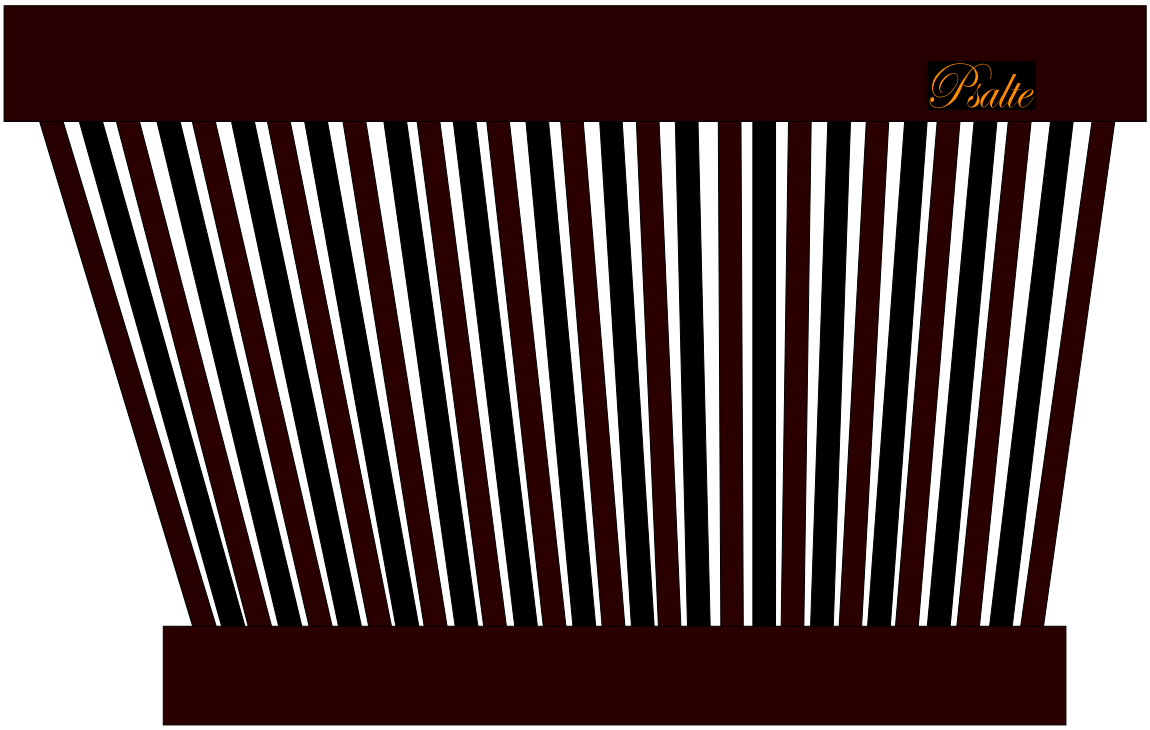

Features 2

- Concave and radial pedal arrangement.
- Solid wood construction.
- Fully MIDI compatible for use with :
  - Organ sample virtual instrument software (open source or commercial licensed)
  - MIDI compliant keyboard/synthesizers/tone generators.
  - MIDI compliant computer software (organ sample sequencers, DAWs, etc.)
- Fully USB Powered.
- USB MIDI and/or MIDI (DIN) interface.
- Fully configurable parameters:
    - MIDI Channel
    - USB MIDI logical cable
    - Pedal Sensitivity
    - Pedal Velocity
    - Transpose

Your Psalte Organ Works Co. pedalboard is constructed using traditional spruce/pine/fur solid wood and is wear tested mechanically for consistent, durable operation and play-ability. The pedal arrangement comprises a full two octave plus one C, making three C note pedals total. With a footprint measuring 39 inches by 29 inches overall, your pedalboard can easily be incorporated into an existing setup.

The arrangement of the pedals incorporates a concave and radial pattern which is widely accepted around the world and part of AGO and BDO standards. However, instead of implementing either AGO or BDO standards strictly, the design goal of the PD25MU0101 was to create a pedalboard for use at home or any space that is slightly confined compared to the volume of space needed for a fully standards compliant, larger, more traditional pedalboard.

For more than 30 years, manufactures have produced MIDI compliant instruments, equipment and software. Your pedalboard conforms to the MIDI standard and can be connected to MIDI compliant keyboard/synthesizers/tone generators etc. Most modern operating systems (OS's) support the MIDI standard. Your pedalboard allows attaching a MIDI standard cable via the MIDI standard DIN connector or by the USB A connector that supports the USB MIDI standard.

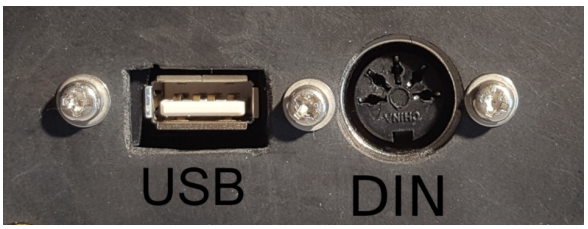

Figure 1. USB and DIN connectors on the toe box of your pedalboard.

Requirements 3

Your pedalboard comes with an AC adapter and USB cable. A USB cable is required to power the pedalboard.

USB Power

Your MD25MU0101 pedalboard requires a USB power source such as a AC power adapter (supplied), computer, keyboard, synthesizer, tablet, or smart phone to operate properly. The pedalboard may require current up to 500mA .

A USB cable with #24 wire size conductors (like the one supplied) should be used. The USB cable used with your pedalboard must have a USB male type A connector on one end. On the other end, any other type USB connector may be used as required by the equipment that will power the pedalboard.

The USB cable supplied with your pedalboard meets the requirements above and has a USB type A male connector at each end. The AC power adapter supplied has a USB type A female connector.

Using Your pedalboard

Before using your pedalboard read the IMPORTANT SAFETY INSTRUCTIONS at the front of this manual.

Setup

There are two options available for connecting your pedalboard to other equipment. How you connect your pedalboard depends on how it is to be used and the capabilities of the equipment to which it will be connected.

USB MIDI Operation

Most computers have USB ports with no DIN connector. Connection to a computer can be made by using the USB cable supplied or other USB cable with a USB type A connector on the end at the pedalboard. In this case, the computer (or other USB device) will power the pedalboard and the MIDI signal will also be available to the computer via the same USB cable (supplied). While the USB cable is being used, the DIN connection is also available and the MIDI signal will be transmitted over the DIN standard cable simultaneously to other equipment if used.

MIDI Standard DIN Operation

To use your pedalboard with existing equipment that have MIDI standard DIN connectors use a MIDI standard DIN cable and the DIN connector on the pedalboard. The USB cable must still be used to power the pedalboard. Any USB standard device that supplies power, such as a computer or AC wall adapter (supplied) can be used. If the AC wall adapter is used to power the pedalboard the USB MIDI signal will not be available to a USB device but the MIDI DIN signal will still be available and transmitted over a DIN cable.

Configuration *4*

Your pedalboard's MIDI Channel, USB MIDI logical cable, Pedal Sensitivity, Pedal Velocity and Transpose Interval are all configurable via MIDI System Exclusive commands. Any device or software

that can send specific/custom MIDI System Exclusive commands can be used to set these parameters. For basic examples using Linux and/or Windows see **www.psalte.com**. Below are listed the MIDI commands, descriptions and the specific hexadecimal values that comprise them.

Command	Description	Hexadecimal Values (defaults shown)
Set Channel	Set the MIDI Channel Default = 1	F0 7E 1E 01 01 F7
Set Velocity flag	False = Send a constant fixed MIDI velocity value (default). True = Send a dynamic MIDI velocity value depending on velocity of the pedal as played.	F0 7E 1E 02 00 F7
Set Virtual USB Cable	Virtual USB Cable used for USB MIDI only. Default is 0.	F0 7E 1E 03 00 F7
Set Sensitivity	This sets the point at which depressing the pedal causes the note to be played. Allowed range is 0 to 25. Default is 0 which sets the required pedal distance of travel at a maximum.	F0 7E 1E 04 00 F7
Set Transpose	Default value is 36 which makes the leftmost pedal C2. Range is 0 (transpose down 36 half steps) to 102. The number represents the MIDI note number to be used for the first (leftmost) pedal.	F0 7E 1E 05 24 F7
Reset	Reset all configurable parameters to default values.	F0 7E 1E 10 00 F7
Dump Status	This causes the pedalboard to send a specific MIDI System Exclusive message containing the values of all the configurable parameters.	F0 7E 1E 11 00 F7
Identity Request	This is the MIDI standard message for requesting that any equipment that receives the message to send a message in response that identifies that equipment. Your pedalboard will identify itself as follows: F0 SysEx 7E Non-Realtime 7F The SysEx channe 1E Psalte Organ Works Co. Mfg. ID 01 Current Channel 00 Current Velocity flag 00 Current Cable 00 Current Sensitivity 24 Current Transpose F7 End of SysEx	F0 7E 7F 06 01 F7