MISSION ENGINEERING

PIGTRONIX DUAL EXPRESSION PEDAL

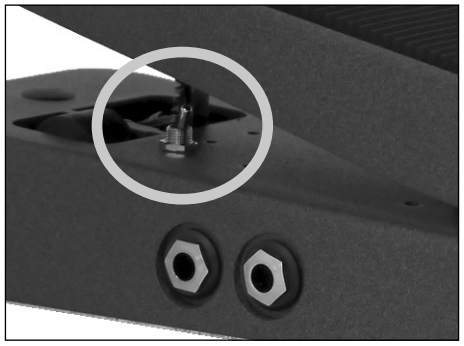
USER GUIDE

INTRODUCTION

Congratulations on your purchase of the Pigtronix Dual Expression pedal. This product is designed to be intuitive to setup and operate, and to provide many years of trouble free service. However, we recommend that you take a few moments to read through this User Guide in order to get the best possible experience with your new pedal.

FEATURES

The Pigtronix Dual Expression pedal features two TRS expression outputs that are controlled simultaneously from the one pedal allowing control of two effects at the same time. A direction reversal toggle permits one output to operate in reverse so that two separate effects can be varied in opposite directions for advanced expression control. The Pigtronix Dual Expression pedal uses a full range linear potentiometer and is designed to work with effects pedals from many different manufacturers, not just Pigtronix.



POWER

This expression pedal is a passive device, and requires no internal battery or external power.

CONNECTIONS

The Pigtronix Dual Expression pedal uses two ¼" TRS phone plug outputs marked **OUT1** and **OUT2** on the underside of the pedal. Connect the outputs to expression pedal inputs on your devices using ¼" TRS-TRS instrument cables such as the Mission MCTRS3A cable. If you only intend to use the pedal with one device, you can connect either output and leave the other unused.

TRS stands for Tip, Ring, Sleeve and is a three-conductor cable. It is sometimes also called a stereo or balanced cable. The pedal requires the use of the correct cable with a TRS connector at both ends. A mono TS cable such as a regular guitar cable, and insert cables that have both TS and TRS plugs, will not work in most cases.

Figure 1.

Figure 1. A TRS connector with the three conductors separated by the black insulation bands. The pointed front of the connector is the tip, the middle band is the ring, and the large conductor at the rear nearest the plug body is the sleeve.

USE

Some devices will require proper configuration before use with an expression pedal. Be sure to read the User Manual for your device, and setup and calibrate the expression pedal in accordance with the instructions if necessary. Most manufacturers have copies of their User Manuals available online.

Moving the rocker on the expression pedal will change the parameters between minimum at heel down and maximum at toe down. If used, both outputs will vary simultaneously.

The direction of **OUT1** can be reversed using the small toggle switch at the front of the pedal. The factory default is normal operation with the toggle switched towards the rear of the pedal. To reverse the direction of **OUT1**, switch the toggle towards the front of the pedal. The sweep on **OUT1** will now be reversed; with maximum at heel down and minimum at toe down. **OUT 2** cannot be reversed.

ADJUSTMENTS

The tension of the rocker can be adjusted using the tension adjustment screw on the rear of the pedal between the rocker and the base. Use the hex key provided to tighten the adjustment screw until the pedal remains in place. It maybe necessary to adjust this screw every once in a while to compensate for use and environmental conditions such as very hot or cold weather, when the pedal has been stored for a long period, or after shipping. Replacement hex keys are available from Mission Engineering.

SAFETY INSTRUCTIONS

- Read, Keep & Follow these instructions
- Heed all warnings
- Clean only with dry cloth
- Do not use this apparatus near water
- Do not expose the apparatus to dripping or splashing and ensure that no objects filled with liquids, shall be placed on the apparatus
- WARNING: To reduce the risk of fire or electric shock do not expose this apparatus to rain or moisture
- Unplug this apparatus during lightning storms or when unused for long periods of time
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
- Only use attachments/accessories specified by the manufacturer
- Prolonged listening at high volume levels may cause irreparable hearing loss and/or damage. Always be sure to practice "safe listening."
- Refer all servicing to qualified service personnel. Service 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 unit has been exposed to rain or moisture.
  - the unit is dropped or the enclosure is damaged
  - the unit does not operate normally or changes in performance in a significant way

SPECIFICATIONS

Electrical Specifications

Potentiometer

Internal resistance – 25K Ohm

Taper – Linear

Polarity – Tip to wiper

Function – Voltage Divider

Usage Rating - > 1M cycles

Dimensions

Base length at longest point - 9.9"

Base width at widest point - 4.0"

Height at highest point including feet - 3.25"

Pedal length - 8.7"

Pedal width at widest point - 3.0"

Pedal width at narrowest point - 2.3"

Weight - 3.5lbs

MISSION ENGINEERING INC.
www.missionengineering.com
info@mission-engineering.com