

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

MISSION ENGINEERING INC.
www.missionengineering.com
info@missionengineering.com

© Mission Engineering Inc. 2016. All rights reserved. EP1-L6 and SP1-L6H is a Trademark of Mission Engineering Inc. Trademarks, registered trademarks, product names, logos and other materials are the property of their respective owners.



MISSION
ENGINEERING

Line 6 Expression Pedals

SP1-L6H
EP1-L6



USER
GUIDE

INTRODUCTION

Congratulations on your purchase of the Mission Line 6 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 Mission EP1-L6 and SP1-L6H are professional quality, all metal expression pedals designed for use with Line 6 products. Mission and Line 6 engineers collaborated on the development of these expression pedals to ensure perfect control of effects parameters such as volume, wah, and delays.

The EP1-L6 is a single output expression pedal for use with Line 6 digital amplifiers, multi-effects and effects pedals. The SP1-L6H additionally features a toe switch, that when used with the Line 6 Helix Rack, supports switchable functions such as turning an effect on and off, and toggling between effects.

POWER

These expression pedals are passive devices, and require no internal battery or external power source for expression control and switching.

CONNECTIONS

EP1-L6

The EP1-L6 uses a single ¼" TS phone plug output marked **OUT1** on the underside of the pedal. Connect **OUT1** to the pedal input on your compatible Line 6 device using a ¼" instrument cable. **OUT2** is unused

on this model and is blanked off.

SP1-L6H

The SP1-L6H uses a two ¼" TS phone plug outputs marked **OUT1** and **OUT2** on the underside of the pedal. **OUT1** is the expression pedal output and **OUT2** is the switch output. Connect **OUT1** to an EXP input on the rear panel of the Helix Rack or Helix Rack Floor Controller using a ¼" instrument cable. Connect **OUT2** to the EXP TOE SWITCH input on the Helix Rack or Helix Rack Floor Controller.

Expression pedals do not require an input. The input side of the pedal is blanked off.

CONFIGURATION

Your Line 6 device may require configuration to use the connected expression pedal, and to assign the pedal to the particular parameters you wish to control. Follow the instructions in the user guide for your Line 6 device to configure the expression pedal. Latest user guides can be downloaded from <http://www.line6.com/support>

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. The tension adjuster is not included if the optional spring load has

been fitted.

The switch sensitivity on the SP1-L6H can be adjusted by lowering or raising the switch in the chassis. Use spacers and washers provided to lower the switch making it harder to press. Remove spacers and washers to raise the switch making it easier to press. When replacing the switch, be careful not to over tighten the lock nut and damage the switch.

Do not use the pedal without the supplied baseplate and feet installed. Attempting to screw the baseplate to the pedal without the rubber feet may result in damage to the chassis. For fixing to a pedal board, we recommend the Mission PR-1 Pedal Riser kit available at <http://www.missionengineering.com>

SPECIFICATIONS

Electrical Specifications

Potentiometer

Internal resistance - 10K Ohm

Taper – Linear

Function – Variable resistor

Usage rating > 1M cycles

Switch

Type – Momentary

Function – Tip and sleeve, normally open.

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