

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

Pedal Potentiometer

Internal resistance - 10K Ohm

Taper - Linear

Polarity - Tip to wiper

Function - Voltage Divider

Usage rating > 1M cycles

Input Trim Potentiometer

Internal resistance - 50K Ohm

Taper - Linear

Function - Limiting

Usage Rating > 15K 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.mission-engineering.com

info@mission-engineering.com

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Guitar Center
Expression Pedal

GC-E)CP1
PRO

USER
GUIDE



INTRODUCTION

Congratulations on your purchase of the Guitar Center GC-EXP1-PRO Expression Pedal. This product is designed to be intuitive to set-up 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.

Expression pedals are intended to remotely control functions of other devices such as digital guitar amps, multi-effect rack units, effects pedals, MIDI controllers, and electronic keyboards. Expression pedals do not generate sounds themselves, but allow the musician to remotely control effects and parameters within other equipment. Be sure to check the specifications of the device you will be controlling in order to ensure compatibility. The specifications for the GC-EXP1-PRO are listed on the reverse of this User Guide.

A regularly updated compatibility list is maintained on the support section at www.mission-engineering.com

CONNECTIONS

The GC-EXP1-PRO uses a single ¼" TRS phone plug output marked **OUT1** on the underside of the pedal. **OUT2** is not used in this pedal model, and can be ignored. **OUT2** is fitted with a blank.

Connect **OUT1** to the expression pedal input on your device using a ¼" TRS-TRS instrument cable such as the Mission MCTRS3A cable. TRS stands for Tip, Ring, Sleeve and is a three conductor cable. It is sometimes also called a *stereo*, or *balanced* cable. (See *Figure 1.*) The GC-EXP1-PRO 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.



Figure 1.

Figure 1. shows 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.

The silver knob on the right side of the pedal is marked **INPUT**. This controls the minimum input level of the pedal. The control acts as a trim pot and sets the minimum level for the pedal at heel down. With the control fully counter clockwise, the pedal will be 0% at heel down and 100% at toe down. Adjust the **INPUT** control clockwise to increase the heel down value above 0%.

For example, maybe you are using the expression pedal to control volume on an amp or keyboard. Let's say you want maximum volume with the pedal all the way at toe down, but you would like to set the volume at heel down to 50% rather than all the way off. Turn the control to about halfway. This will set the minimum to about 50% and the pedal will now sweep 50 – 100%.

The **INPUT** control will adjust the minimum level between 0 and approximately 80%. The control has no impact on the maximum value, which will always be 100% at toe down.