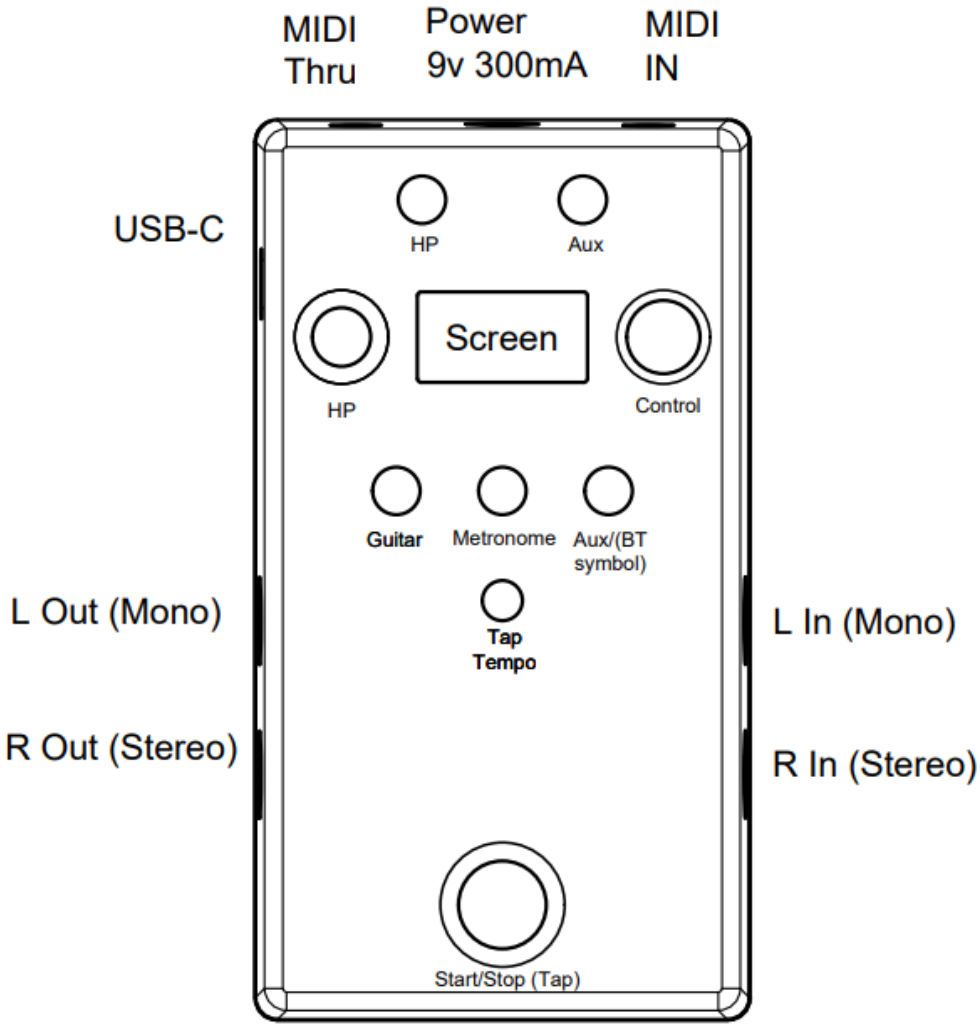
Canvas Rehearsal Manual

Control Overview



- Headphone Level
- Screen control (Encoder w/ Push Button)
- Guital Level (Potentiometer)
- Metronome Level (Potentiometer)
- Auxilary/Bluetooth Level (Potentiometer)
- Metronome Start/Stop (Footswitch)
  - Press and hold to enter Tap Tempo mode
  - Single press of Footswitch in Tap Mode resets metronome
- Tap Tempo (Illuminated Tactile Switch)
  - LED in tactile switch will blink according to the BPM and Beat Division the metronome is set to

Canvas Rehearsal Manual

Feature Overview

The Canvas Rehearsal is an all-in-one rehearsal utility pedal for the on-the-go musician. With the ablility to listen to your guitar signal through headphones, play along to tracks via Bluetooth or the 1/8” Auxillary Input, or practice along to a metronome, the Canvas Rehearsal is the perfect end-of-chain utility for any pedalboard.

Feature Outline:

- Stereo 1/4” Input
- Stereo 1/4” Output
- Headphone Output
- Bluetooth connectivity for Audio Streaming
- 1/8” Auxilary Input
- 1/8” TRS MIDI Type A In and Thru
- Full Featured Metronome
- Tap Tempo Tactile Switch

Controls:

- Headphone Level
  - Control the overal level of your mix in the headphone output
- Screen control
  - Rotary Encoder with pushbutton to navigate screen menus
- Guital Level (Potentiometer)
  - Sets the level of the signal from the main 1/4” Inputs to the Headphone Output
- Metronome Level (Potentiometer)
  - Sets the level of the Metronome to the Headphone Output
- Auxilary/Bluetooth Level (Potentiometer)
  - Sets the level of the signal from the Aux 1/8” and Bluetooth Audio to the Headphone Output
- Metronome Start/Stop (Footswitch)
  - Press and hold to enter Tap Tempo mode
  - Single press of Footswitch in Tap Mode resets metronome
- Tap Tempo (Illuminated Tactile Switch)
  - LED in tactile switch will blink according to the BPM and Beat Division the metronome is set to

Canvas Rehearsal Manual

Main Screen

The Canvas Rehearsal has a 0.96” OLED Screen that will be primarily used to display information about the metronome, bluetooth pairing, and system information. The Encoder and the Footswitch will be the primary controls to interact with the display UI.

Main Screen:

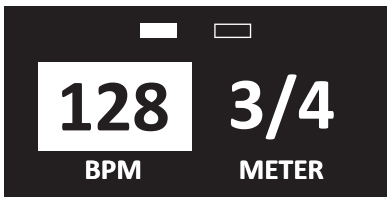
The Main Screen contains the following parameters for the metronome

- BPM
- Time Signature
- Beat Division
- Accent Note On/Off

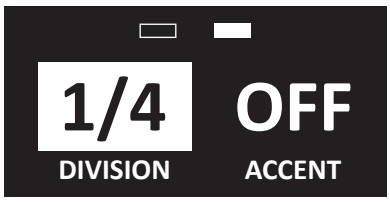
Turning the encoder will modify the value of the selected parameter. Pressing the button on the encoder will cycle to the next modifiable parameter.O

The Main Screen will also show if the Canvas Rehearsal is paired to a bluetooth device at the bottom of the screen

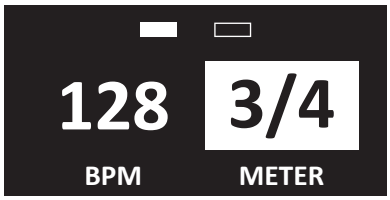
Page 1: BPM



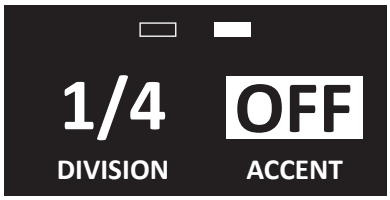
Page 2: Beat Division



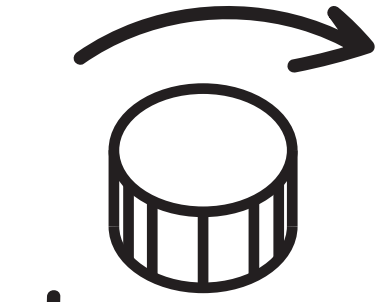
Page 1: Time Signature



Page 2: Accent On/Off



Turn encoder to modify parameter



Press encoder to cycle through parameters

When the user has navigated to the last parameter (Accent Note On/Off, the following press of the encoder should return the user back to the begining of the parameter list and select the first parameter (BPM)

Canvas Rehearsal Manual

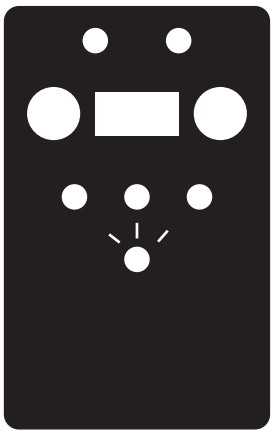
Metronome Controls

BPM:

- “BPM” will control the rate of the metronome and provide visual feedback of the BPM to the user
- BPM range should be 20 BPM to 300 BPM
- A single turn of the encoder should result in a change of 1BPM for precise input

Time Signature:

- This parameter will allow the user to change the time signature of the metronome to the following:
  - 2/4
  - 3/4
  - 4/4
  - 3/8
  - **5/8(?)**
  - **7/8(?)**



Time Signature:

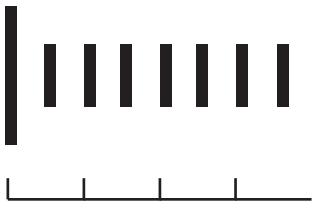
- For 2/4, 3/4 and 4/4
  - 1/4
  - 1/8
  - 1/8 triplet
  - 1/16
- For 6/8
  - Dotted 1/4
  - 1/8
  - 1/16

Accent On/Off

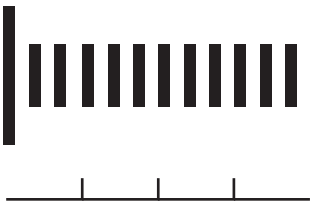
- This option will toggle a higher pitched click at the begining of a measure of the metronome count.

Ex.
Time Signature: 4/4
Division: 1/4th
Accent: On

Ex.
Time Signature: 4/4
Division: 1/8th
Accent: Off



Ex.
Time Signature: 4/4
Division: 1/8th Triplet
Accent: Off



Canvas Rehearsal Manual

Settings

Settings Menu Screen:

- The user will be able to access the Canvas Rehearsal Menu by holding the encoder button.
- The user will be able to navigate to different menus by turning the encoder.
- Pressing the encoder on a selecet menu will delve into that menu option.
- The user can press the footswitch while in the menu screen to go back one menu layer
- When in the initial Menu Screen, the user can exit back to the Main Screen via a single pressing of the footswitch
- The user can also press and hold the footswitch while in any menu to exit the Menu system and return back to the Main Screen

Mix
Met Sound
About
Reset

1-16

ON

1-5

MET
AUX
M+A

2
3

Canvas Rehearsal Manual

Bluetooth Connection

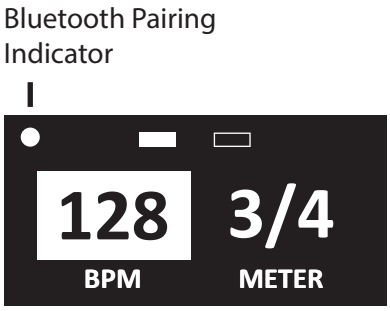
Bluetooth Connection

- The Canvas Rehearsal will be discoverable to pair with Bluetooth from your Phone or Bluetooth Host Device.

- Once paired, audio can be streamed to the Canvas Rehearsal and be monitored via the headphone output or played through the main 1/4” outputs if selected in the Settings.

- Bluetooth pairing will be indicated on the Canvas Rehearsal screen by a white dot on the Top Left corner

- If Bluetooth and Aux audio are connected, the Bluetooth audio will take priority when playing and mute the Auxillary audio signal.



Canvas Rehearsal UI

Techincal Information

Power:
- 9v 300mA Minimum
- Center Negative, 2.1mm center pin, 5.5mm barrel

Audio Input
- 2x Unbalanced 1/4” Audio Input Connectors
  - Impedance: 1M Ohm
  - Frequency Response: 20hz to 20Khz
- 1x TRS Stereo 1/8” Auxilary Input
  - Impedance: 1M Ohm

Audio Output
- 2x Unbalanced 1/4” Audio Output Connectors
  - Impedance: 220 Ohm
  - Frequency Response: 20hz to 20Khz
  - SNR: 1Vrms @ 1Khz = 85dB
  - THD+N: 8Vpp @ 1Khz = 0.006%
- 1x TRS Stereo Headphone Output
  - Impedance: 220 Ohm
  - Frequency Response: 20hz to 20Khz
  - SNR: 1Vrms @ 1Khz = 85dB
  - THD+N: 1Vpp @ 1Khz = 0.02%

MIDI
- 1x MIDI TRS Type A Input
- 1x MIDI TRS Type A Thru

Bluetooth Information:
- Bluetooth Version 4.2
- Uses A2DP Protocol for Audio over Bluetooth
- Antenna: PCB Monopole
-

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.