COOPER FX

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POWER: 9V: Center tip negative, 150mA, ISOLATED SUPPLY

IN/OUT: Mono input and output

MIDI: accepts CC and PC over the ring of an 1/8" TRS jack

EXP: Accepts a TRS expression pedal or a control voltage of up to 5 volts. DO NOT USE A TS JACK . THAT CAN DAMAGE THE PEDAL

Arcades can be any type of pedal you want. It is a versatile multi effect platform, but what makes it unique is that it determines what type of effect it is based on the card that is inserted into the pedal. Much like certain retro video game consoles, the Arcades will allow the user to swap cards to select the experience they want. Instead of a video game however, the change of a card will result in a different bank of eight effects.
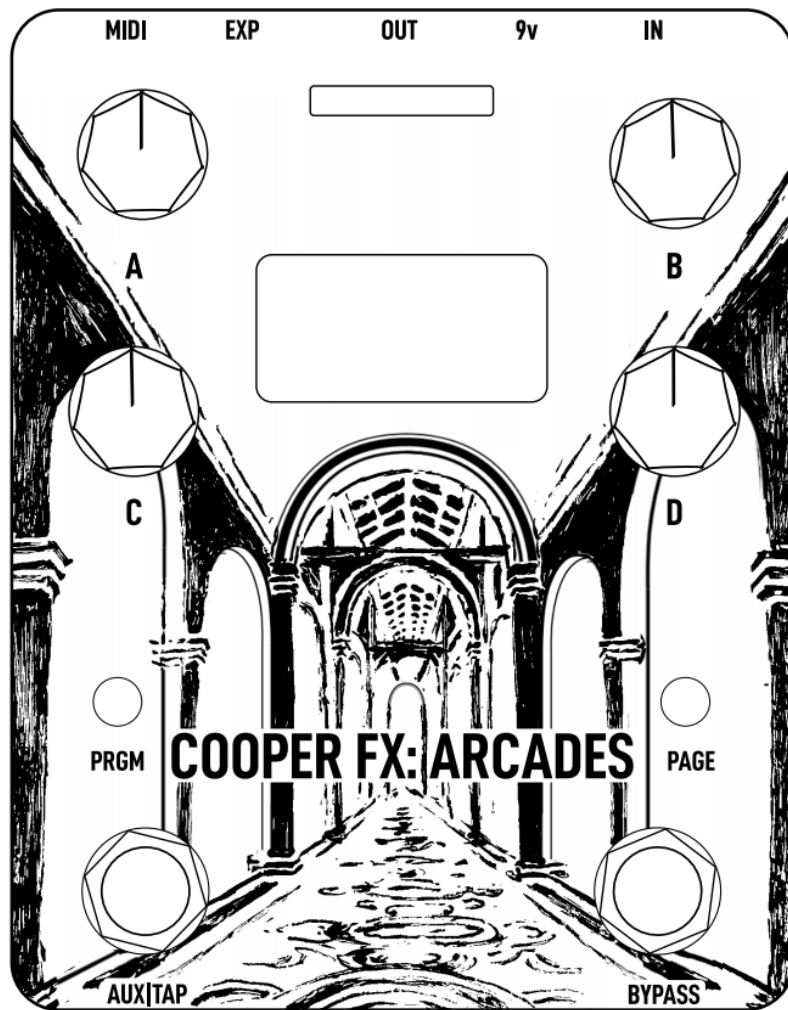
Knobs A, B, C, and D control the parameter that it is associated with, as dictated by the text on the screen.

There are two types of parameters to adjust on this pedal: digital parameters and the system parameters.

Digital parameters will be unique to the program that is selected. The names of these parameters will be sent to the screen from the inserted card. The system parameters, Dry, Wet, Tone and Clock will be constant to all programs and cards.

- **Dry and Wet** control the volumes of the dry and wet signals. Dry keeps your signal analog.
- **Tone** controls the tone of Arcades: bass-ier tones CCW and more treble CW. Noon is flat.
- **Clock** determines the system operating frequency.

CCW: Lo-fi, longer delay times, slower response to control changes

CW: Higher fidelity, shorter delay times, quick response to control changes

BUTTONS

The buttons will allow you to navigate through the menus.

PRGM: Tap quickly to scroll through programs 1 through 8. Hold for 0.5 seconds to enter the CONFIGURATION menu. Hold Again for another 0.5s to exit CONFIGURATION

PAGE: Tap quickly to switch between the Digital and Analog parameters. Hold for 0.5s to enter FOOTSWITCH assignments. Hold for another 0.5s to enter EXPRESSION assignments.
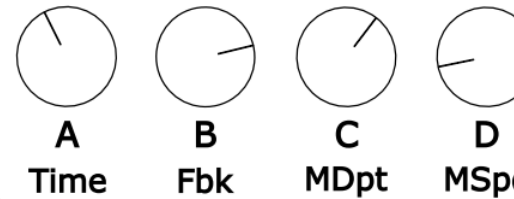
CARDS

The cards will contain the following information: effects, parameter labels, program names. User presets will also be saved to and loaded from the inserted card.

Please insert the Card with the electronic components facing away from you. See insert for details on card insertion.

FOOTSWITCHES

Bypass: Relay 'soft click' true bypass.

AUX|TAP: Can be control any of the 8 parameters. See ASSIGNMENTS information for assigning footswitch to a control. Tap tempo available on some programs.

Both footswitches can be latching (quick press) or momentary (hold for half second)

MIDI CC's

14 : Bypass	24 : Dry
15 : AUX	25 : Wet
20 : Digital Param A	26 : Tone
21 : Digital Param B	27 : Clock
22 : Digital Param C	28 : Program #
23 : Digital Param D	29 : Quantize Clock

MAIN

1 : Digitl ///////////

A — Time
B — Fbk
C — MDpt
D — MSpd

Page 1

This page will show you the values and names of the four digital controls, unique to each program. Additionally, on the MAIN screens, you will see the program name and number, here, it is DIGITL and in program slot 1.

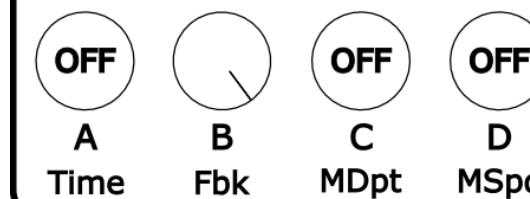**1 : Digitl ///////////**

A — Dry
B — Wet
C — Tone
D — Clock
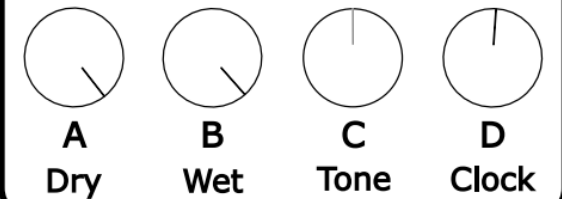
Page 2

Here you will be able to adjust the four system controls: dry, wet, tone, and clock. One thing to note is that when you adjust the clock control, you will be able to see its value in kHz, which will be the frequency at which the DSP will run at.
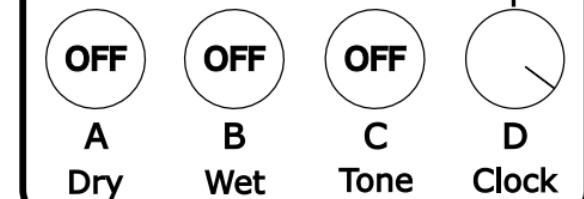
ASSIGNMENTS

FOOTSWITCH/////////

OFF — A — Time
— B — Fbk
OFF — C — MDpt
OFF — D — MSpd

Footswitch Assignments

You can assign the footswitch to any of the 8 parameters. On the FOOTSWITCH page, set the value of the parameter you want to control with the footswitch. For example, shown above, only FBK is assigned to the footswitch. When you press down on the footswitch, the FBK parameter will adjust itself to the value indicated on this screen. Release the footswitch and it will return to its previous value, as set on the main page.

EXPRESSION/////////

OFF — A — Dry
OFF — B — Wet
OFF — C — Tone
— D — Clock

Expression Assignments

You can also assign an expression pedal to any of the parameters. On the EXPRESSION page, you will set the TOE position of your expression pedal. The expression pedal you have plugged into the unit will sweep from the value set on the MAIN page to the to position, set here. For example, the expression will sweep the clock control between 12:00 at heel, to 5:00 at its toe position.

CONFIGURATION

CONFIGURATION///////

A.PRESET   : 1
B.QUANTIZ   : OFF
C.MIDI CH   : OMNI
D.TAP   : ON

The CONFIGURATION menu page will set all the system settings. You will also load and save presets on this page.

Save preset:

1. Turn the A knob to desired preset number (1-8)
2. Hold BYPASS button until the screen says SAVE and the PAGE LED starts blinking.

Load Preset:

Same as save process, however you use the AUX|TAP footswitch. If you try to load an empty preset slot, the screen will flash EMPTY.

With the B knob you can quantize the clock control to eight different 'scales'. This is useful to have the clock control snap to exact musical intervals and is especially fun with time based effects like delay and reverb.

A.   OFF : no quantization

B.   OCT: octaves only

C.   5+8 : fifths and octaves

D.   4+5+8: fourths, fifths, and octaves

E.   PENTM: pentatonic Major

F.   PENTm: pentatonic Minor

G.   MAJ: major scale

H.   MIN: minor scale

The C knob will select the MIDI channel, from OMNI (listen to messages on every channel), and 1-16.

It may be useful to turn off tap tempo. To do this, adjust the D knob until the screen says TAP : OFF.

Warranty information:

This product is covered under warranty for 1 year from the date of original purchase. This warranty does not cover and is voided by : user misuse, accidental damage, and/or unauthorized modifications or repair. Repairs made within the warranty period are free. Please contact tom@cooperfx.com for all repair inquiries.