

TIME MANIPULATOR - USER MANUAL:

The Time Manipulator microcontroller from ElectroSmash is always pre-programmed from factory. The ATMEGA328P-PU chip contains by default a firmware that includes 9 codes: Short Delay, Delay, Echo, Reverb, Tap Echo, Chorus, Telegraph, Accelerator and Psycho. All the information regarding to each individual code could be found [in the forum](#).

How to interact with the Time Manipulator Code:

The **TAILS** knob adds more repetitions to the echoes. Not all the effects use this knob

Push the **MASTER** knob to change between **Normal Mode** and **Selection Mode**.

The **MIX** knob blends the original guitar signal (dry) with the effected signal (wet). The effects are *stronger* when 100%



True Bypass Footswitch: activates or deactivates the effect

TAP footswitch, used by some effects (like Tap Echo or Accelerator)

Normal Mode

Turning the **MASTER** knob will change the delay time of the effect selected.

Note: The LEDs are usually green and will blink orange to indicate when the effect is in the Maximum, minimum and medium time.

Selection Mode

Turning the **MASTER** knob will change the effect type, the LEDs will glow like the table below to indicate which effect are you selecting:

● ● SHORT DELAY	● ● REVERB	● ● TELEGRAPH
● ● DELAY	● ● TAP ECHO	● ● ACCELERATOR
● ● ECHO	● ● CHORUS	● ● PSYCHO

Once selected push the MASTER knob to go to Normal Mode.