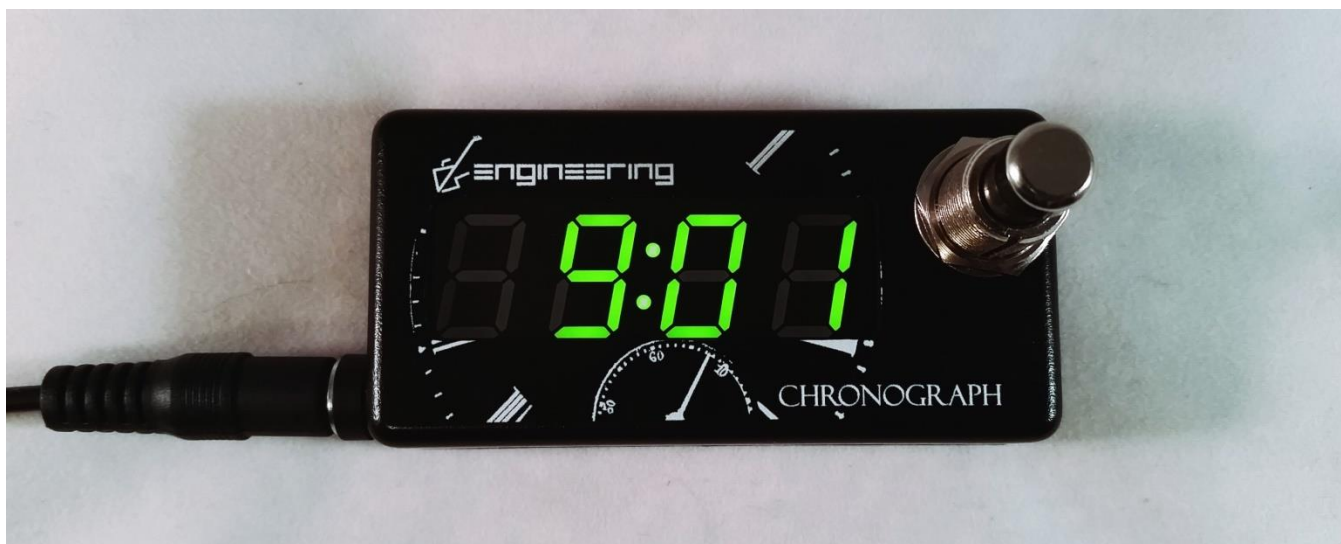


Thanks for your purchase of the Chronograph pedalboard clock! The Chronograph was purpose-designed to be compact, versatile, user friendly, and good looking to boot! If you have any suggestions for how we can improve any of our products, feel free to contact us through our website dsguitarengineering.com or directly by [email](mailto:dsge@dsge.com). We genuinely hope you enjoy each purchase you make!



Overview

The Chronograph requires less than 100mA of current @ 9VDC, with a center negative power cable. This is the same type of connection commonly used on effects pedals. The Chronograph is fully compatible with both isolated and daisy chain style power supplies. However, we do not recommend using it with daisy chain style supplies due to the likelihood of digital noise being coupled into your guitar signal. Do not attempt to run your pedal at more than 9 volts DC. After power is applied to the DC Jack you will be greeted by the message "DSGE Chronograph" and the current time will be displayed shortly afterwards. **If you need to change the clock, the instructions are on page 3 under the Setup Menu section.**

Quick Start

In most cases tapping the footswitch will change or increment a parameter and holding the footswitch will accept the parameter. The biggest exception is the main menu. You must hold the footswitch to advance to the next main menu option. This prevents you from inadvertently tapping the footswitch while doing other things on your pedalboard, which would change modes when you don't intend to. Keep reading for detailed instructions on each feature the Chronograph has to offer.

Navigating the Main Menu

In order to access the main menu, simply hold the footswitch for 1 second or more while the clock is being displayed. Release the footswitch and hold it again to advance to the next menu option. Tap the footswitch to select the option that is currently displayed on the screen. Tapping the footswitch while in clock mode will have no effect. The three options are Clock, Countdown Timer Mode (Ctdn), and Stopwatch Mode (CtuP).

Countdown Timer Mode

After selecting Countdown Timer Mode the last used start time will be displayed and the “minutes” value will blink once. Tap the footswitch to increment the minutes value and hold the footswitch to accept. The “seconds” value will blink once to indicate the minutes value was accepted. Repeat the process for the seconds value and the entire display will blink once to indicate the timer has been set.



Tapping the footswitch at this point will have no effect on the timer. This prevents you from inadvertently tapping the footswitch and accidentally starting the timer. Hold the footswitch until the timer begins to count down. The timer can be paused at any time by tapping the footswitch. The timer can also be reset at any time by holding the footswitch. You’ll notice that your previous start time is recalled when the timer is reset. Hold the footswitch again to exit countdown timer mode.

The display will begin to continuously flash as a warning when the timer goes below a certain threshold. By default this value is 1 minute. Boot the Chronograph in Setup mode to change this value.

Stopwatch Mode

After selecting Stopwatch Mode the display should read “00:00”. Tapping the footswitch will start, pause, and resume the stopwatch. Holding the footswitch will reset the stopwatch. Hold the footswitch again after resetting it to exit Stopwatch Mode and return to Clock Mode.



Setup Menu

To enter the setup menu, hold down the footswitch while the power is off and apply power to the pedal. The display should show “StuP” instead of the usual scrolling message. Release the footswitch after “StuP” appears.

The first setup option that appears is the **Blink Warning Time** for the Countdown Timer Mode. The display should read “bL:xx”, where “xx” is the warning time in minutes. The display will begin to continuously blink when the countdown timer is running and the remaining time passes this value. Tap the footswitch to increment the warning time. The warning time will roll over to zero after you pass 10 minutes. Hold the footswitch to accept.

The next menu item is the **Clock Hour Format** parameter. The display should read “hr:12” or “hr:24” at this point. Simply tap the footswitch to toggle between 12-hour clock format and 24-hour format. Hold the footswitch to accept your changes.

The final menu item is the **Clock Adjustment**. Tapping the footswitch will increment the hour. Hold the footswitch to accept the hour value. Repeat the process for adjusting the minutes. After accepting the minutes the first menu item will reload. Simply unplug the power and reapply it to boot back into normal mode. The pedal will always boot in normal mode unless you hold the footswitch during power up.

Note: *You must accept both the hour and minutes values to update the clock, even if you only change the hour.*

Replacing the Battery

The Chronograph draws an extremely low amount of current from the battery when it’s not powered externally. Of course it will have to be replaced occasionally, but we expect each battery to last up to 10 years. The battery part number is CR2032, which is a relatively common 3V coin cell type. You only need two tools to replace the battery: a small Philips head screwdriver and a wrench.

The first step is to remove the back cover of the pedal. The footswitch will have to be temporarily removed to give the battery enough room to slide out. Use your wrench to carefully remove the nut from the footswitch on the outside of the enclosure. You should now be able to easily pull the footswitch out of the back side. Take caution not to put too much force on the wires that connect the footswitch to the circuit board. Doing so could damage the solder joints and cause your pedal to malfunction.

Finally, carefully remove the battery by sliding it out towards the space where the footswitch was. Make sure the positive side of your new battery is facing up. Repeat each process in reverse to reassemble your pedal. Follow the instructions under “Setup Menu” to set the clock and your user settings. Now you’re good to go for several more years to come!