

Shift-ITM

Advanced Settings Manual

V1.01

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INTRODUCTION

This is a supplementary manual for those interested in customizing Shift-I to their own preference.

ADVANCED SETTINGS MENU

Summary of Advanced Settings

Startup Display..... Determine what is displayed when ignition is turned on.

Cruise Mode Timer..... Change the time it takes before the lights dim while cruising

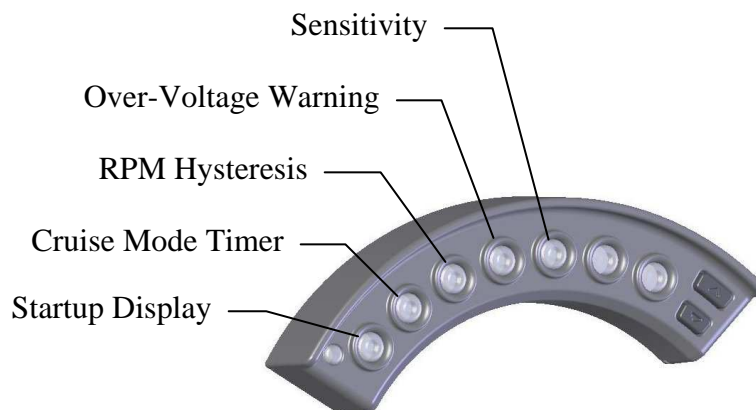
RPM Hysteresis Set the RPM gap before the lights turn off.

Over-Voltage Warning. Enable/Disable.

Sensitivity Used to eliminate any display flicker.

These settings are organized in a menu. Accessing the menu is a two step process. First, **hold both buttons and turn ignition on**, which will get you into the calibration menu. Now **press and hold the top button**, and after a couple of seconds the first light will rapidly flash, and your now in the advanced settings menu.

The menu is better understood by considering the top button as “NEXT”, and the bottom button as “ENTER”. The first light rapidly flashing indicates the first advanced setting, “Startup Display”. If you pressed the up button, you’ll go to the second item in the menu, “Cruise Mode Timer”. If you pressed the down button, you would select the current advanced setting.



Startup Display

Startup Display

1. Press both buttons and turn ignition on.
2. Press and hold top button until first light flashes rapidly.
3. Press the bottom button once.



Press the up button to cycle through the options, and press down to select the one you want.



Startup Display = Off

When ignition is turned on, the display will stay blank.



Startup Display = Shift Sequence

When ignition is turned on, the display will show the shift light sequence.



Startup Display = Shift Sequence then Battery

When ignition is turned on, the display will show the shift light sequence, then show battery voltage shortly after. When the engine first cranks, the battery voltage display will turn off 3 seconds later.



Startup Display = Battery then Shift Sequence

When ignition is turned on, the display will show the battery voltage. When the engine first cranks, the battery voltage display will turn off 3 seconds later and then show the RPM shift sequence.

Cruise Mode Timer

Cruise Mode Timer

Cruise mode is an automatic feature that dims the display if the RPM has remained relatively steady for a period. This setting lets you adjust how long it takes before cruise mode activates. Refer to the user guide for more information.

1. Press both buttons and turn ignition on.
2. Press and hold top button until first light flashes rapidly.
3. Press the top button once, and the second light should be flashing
4. Press the bottom button once.



Press the up button to cycle through the options, and press down to select the one you want.



Cruise Mode =30 Seconds

If the RPM is steady for 30 seconds, the display will dim.



Cruise Mode =45 Seconds



Cruise Mode =60 Seconds



Cruise Mode =90 Seconds



Cruise Mode =120 Seconds

RPM Hysteresis

RPM hysteresis prevents flickering when the RPM is hovering around the turn on point for a light. For example, if the first light is programmed to turn on a 3,000rpm, and the engine RPM was keeps going above and below 3,000rpm, then normally the light would flicker. With RPM hysteresis, it might take 3,000rpm to turn the light on, but it won't turn off until the RPM drops a bit more, for example 2,750rpm.

1. Press both buttons and turn ignition on.
2. Press and hold top button until first light flashes rapidly.
3. Press the top button twice, and the third light should be flashing
4. Press the bottom button once.



Press the up button to cycle through the options, and press down to select the one you want.



RPM Hysteresis = Off



RPM Hysteresis = 6.25%

For example, first light turns on at 1,000rpm, second light turns on at 2,000rpm, then the second light will turn off at 1937.5rpm



RPM Hysteresis = 12.5%



RPM Hysteresis = 25%



RPM Hysteresis = 50%

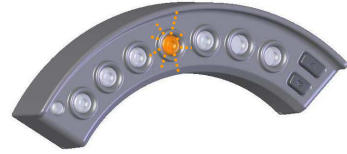


RPM Hysteresis = Auto (default)
350rpm or 25%, whichever is smaller.

Over Voltage Warning

If the voltage exceeds 16V for more than 3 seconds, the over voltage warning will override the display. This setting allows you to change the voltage alert value, or disable the feature. Refer to the user guide for more information about this feature.

1. Press both buttons and turn ignition on.
2. Press and hold top button until first light flashes rapidly.
3. Press the top button three times, and the fourth light should be flashing
4. Press the bottom button once.



Press the up button to cycle through the options, and press down to select the one you want.



Over Voltage Warning = Off



Over Voltage Warning when > 15.5V



Over Voltage Warning when > 16.0V (default)



Over Voltage Warning when > 16.5V

Sensitivity

Different bikes have different tacho signals. If you experience display flickering or the high RPM range isn't working properly, then this setting should be adjusted.

1. Press both buttons and turn ignition on.
2. Press and hold top button until first light flashes rapidly.
3. Press the top button four times, and the fifth light should be flashing
4. Press the bottom button once.



Press the up button to cycle through the options, and press down to select the one you want.

There are seven sensitivity settings, from minimum to maximum.



Sensitivity = Minimum

Reduce the sensitivity if the display flickers.



Sensitivity = Maximum

Increase the sensitivity if the RPM is not being detected properly, typically at high RPMs.