



Custom Dynamics® Smart Triple Play® Installation Instructions

We thank you for purchasing the Custom Dynamics® Smart Triple Play®. Our products utilize the latest technology and high quality components to ensure you the most reliable service. We offer one of the best warranty programs in the industry and we back our products with excellent customer support, if you have questions before or during installation of this product please call Custom Dynamics® at 1(800) 382-1388.

Part Number: GEN-SMART-TPU-18ST

Package Contents:

- Smart Triple Play® Module (1)
- Instructions

Fits: 2018-2022 Harley-Davidson® Softail Heritage Classic (FLHC/FLHCS), Deluxe (FLDE), Low Rider S (FXLRS), 2022 Low Rider ST (FXLRST), 2018-2020 Low Rider (FXLR) and 2019-2020 FXDR.



ATTENTION

Please read all warning Information below before Installation

Important: For this system to be legal you must use RED rear turn signal lamps.

Important: This system is designed to work with single intensity rear turn signals, if you do not have single intensity rear turn signals do not install this module. Contact Technical Support.

Important: Remove any existing Run-Brake-Turn or similar modules prior to installing this unit.

Important: Never install a load equalizer with the use of this unit. Your model has a CanBus electrical system and is not needed.

Caution: Never install a trailer adapter, trailer harness or trailer controller on the output side of this unit, a trailer adapter, harness or controller must be installed on the input side of this unit.

Caution: This unit is designed for a maximum load of 27 watts per channel. Do not exceed 27 watts per left turn signal output, 27 watts per right turn signal output, and 27 watts per brake signal output. Overloading unit could cause damage to the unit and cause the unit to malfunction.

Important: Module must be secured after installation. Find safe area away from any moving parts and out of the way of normal operation of the bike. Use Tie-wraps, tape, or other means to secure. Custom Dynamics® is not liable for damage to the module or the bike as a result of improperly securing the module.

Important: Dial and switches should be maneuvered by hand only. Do not use any tool such as a screwdriver that could damage waterproof covers.

Notice: Product is Not DOT approved.

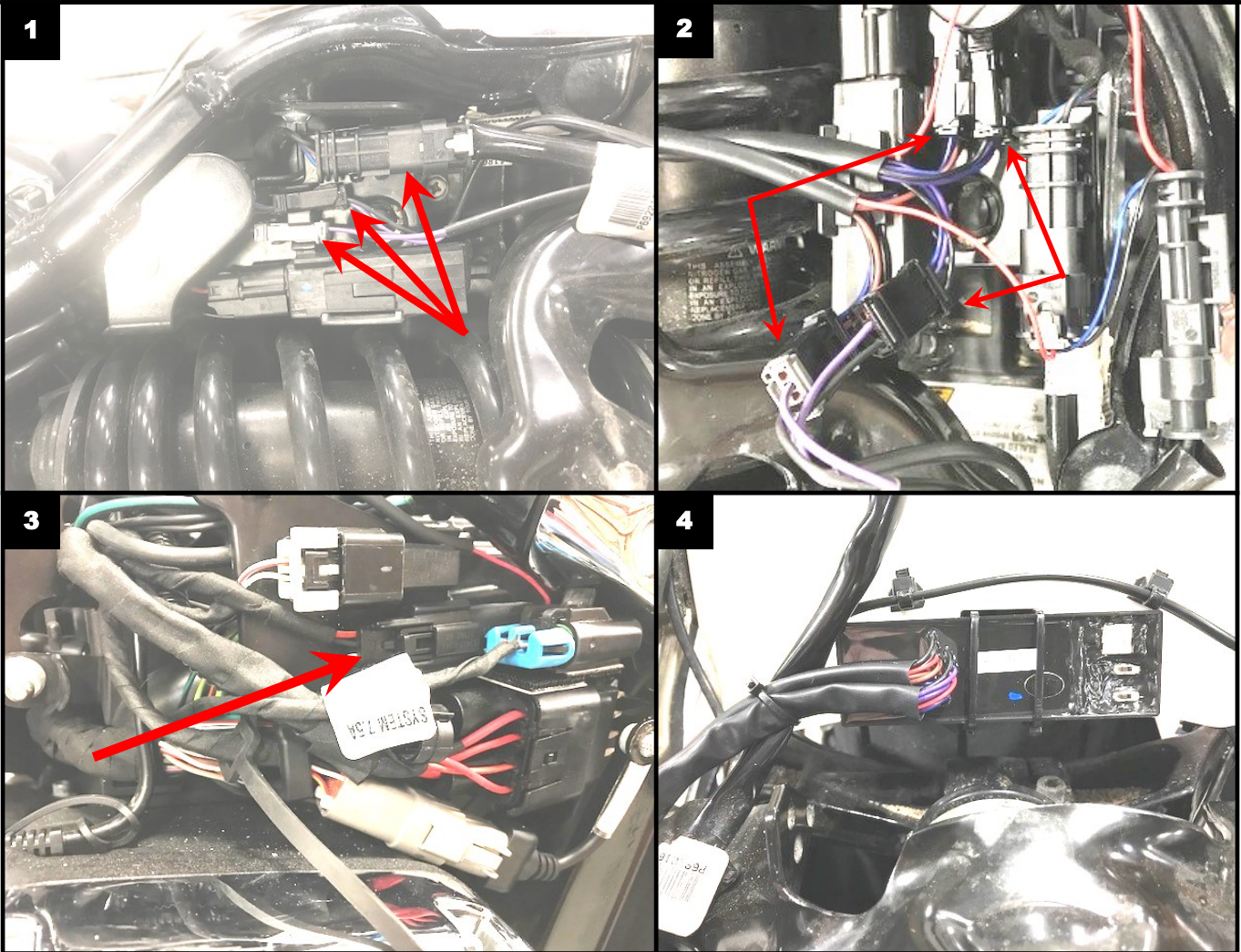


Installation:

1. Secure motorcycle on level surface. Confirm the ignition switch is in the off position. Remove the seat and locate rear lighting connectors to the rear fender as shown in Picture 1.
2. Plug the Smart Triple Play® module, into the rear lighting connectors shown in Picture 1. The Smart Triple Play® JAE turn signal connectors with the brown wire will connect to the Black JAE connectors of the bike's wiring harness. The Smart Triple Play® JAE turn signal connectors with the Purple wire will connect to the Gray JAE connectors of the bike's wiring harness as shown in Picture 2.
3. Remove the left side cover and locate the bike's P&A connector as shown in Picture 3. Plug the P&A connector from the Smart Triple Play® into the bike's P&A connector.
4. Mount the Smart Triple Play® as shown in Picture 4. Secure with tie-wraps, tape or other means so that unit cannot move.

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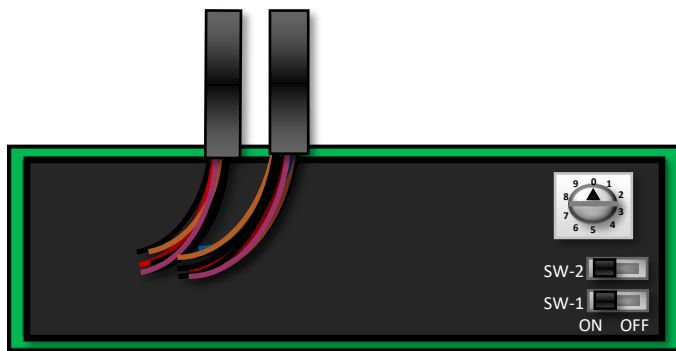
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Initial Setup & Operation

5. Locate the two switches and rotary dial. Be sure the rotary dial is set to position 0. There is small arrow on the dial, this is the pointer that should now be at position 0. Be sure Switch 1 and Switch 2 are both in the ON position. (See Diagram on Page 3)
6. Perform a BCM turn signal sync by turning the ignition on, turn the 4 way hazards on, turn the ignition off. Allow the 4 way hazards to run for 3-4 minutes. Turn the ignition on. Turn the 4 way hazards off. Turn the ignition off.
7. Turn the ignition key on and check operation as follows:
 - Running Lights: Turn Signals and Taillight are now illuminated dimly.
 - Apply Right Turn Signal and check operation of right turn signal, should flash "OFF" and "ON". Disable turn.
 - Apply Left Turn Signal and check operation of left turn signal, should flash "OFF" and "ON". Disable turn.
 - Apply Brake Light. Check to see that all 3 lights flash 4 times then remain bright.
 - Apply Left Turn Signal, then Apply Brake, Check to see that Only Center Light Flashes 4 times then remains bright.

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8. The Smart Triple Play® allows you to program the running light brightness of the turn signals so they match the brightness of your center taillight. You can also select to have the turn signals operate as brake/turn only with no running light.

Program Turn Signal Intensity

2019 and earlier models

- Turn ignition key off, be sure Switch 1 and Switch 2 are in the OFF position and the Rotary Dial in in the 0 position.
- Turn ignition key on, immediately turn Switch 2 On-Off-On. Then turn Switch 1 On-Off-On. Do not depress Brake or Turn Signals during this action.
- The turn signals should now slowly fade from dim to bright, do not proceed unless this confirmation takes place.
Option 1 - Turn the rotary dial clockwise to increase the brightness of the running lights, 0-being the dimmest setting and 8-being the bright-est. Match the running light brightness to the taillight. Once happy with the setting, press and hold the brake for a couple of seconds. The setting will now be saved.
Option 2 - To disable the run function and receive only brake and turn signal function on the rear turn signals (output brown & purple wires), turn the rotary dial to 9. Press and hold the brake for a couple of seconds. The setting will now be saved.

9. Turn ignition key OFF and set switches for desired strobe operation

2020 and later models

- Turn ignition key off, be sure Switch 1 and Switch 2 are in the OFF position and the Rotary Dial in in the 0 position.
- Disconnect the P/A connector from the Triple Play module from bikes P/A connector behind the left side cover.
- Turn ignition key on.
- Reconnect the P/A connector from the Triple Play module to the bikes P/A connector behind the left side cover.
- Immediately turn Switch 2 On-Off-On. Then turn Switch 1 On-Off-On. Do not depress Brake or Turn Signals during this action.
- The turn signals should now slowly fade from dim to bright, do not proceed unless this confirmation takes place.
Option 1 - Turn the rotary dial clockwise to increase the brightness of the running lights, 0-being the dimmest setting and 8-being the bright-est. Match the running light brightness to the taillight. Once happy with the setting, press and hold the brake for a couple of seconds. The setting will now be saved.
Option 2 - To disable the run function and receive only brake and turn signal function on the rear turn signals (output brown & purple wires), turn the rotary dial to 9. Press and hold the brake for a couple seconds.

10. Turn ignition key OFF and set switches for desired strobe operation.

11. Clear DTC's (Diagnostic Trouble Codes)

- Press and hold the trip odometer reset switch located on the left handlebar control, while turning the *IGN ON*.
- Release the trip odometer reset switch when "DIAG" appears on the ODOMETER DISPLAY.
- Press and release the trip odometer reset switch until "BCM" is displayed on the odometer display. "BCM Y" = Yes DTC set. "BCM N" = No DTC set.
- If "BCM Y" is displayed, press and hold the trip odometer reset switch until the code is displayed and release.
- Press and hold the odometer reset switch while the DTC is displayed until "CLEAR" appears on odometer display.
- Turn the IGN OFF to exit the diagnostic mode.

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Strobe Operation Menu

Switch Functions:

Switch 1 On, Switch 2 On: Strobes/Flashes on all three Rear Lights

Switch 1 On, Switch 2 Off: Strobes/Flashes on rear turn signals only

Switch 1 Off, Switch 2 On: Strobes/Flashes on center light only

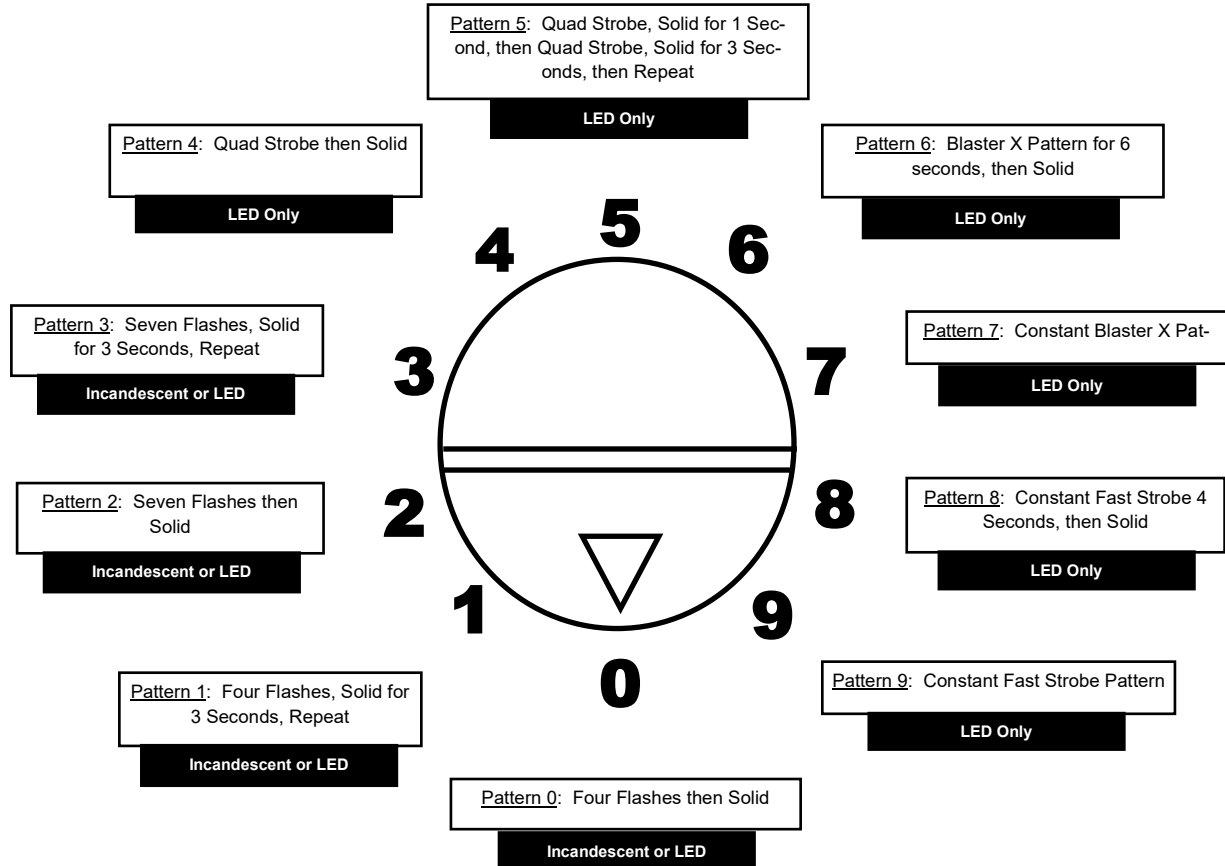
Switch 1 Off, Switch 2 Off: No Strobes/Flashes

Dial Strobe Functions: (Note that Patterns 0-3 are compatible with incandescent bulbs) See Diagram below.

Test & Finish

- Turn ignition key on and Test Operation based on your desired switch settings. Once programming is complete, re-install the seat. Installation is complete.

Flash Pattern Information:



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