



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-23TP

Package Contents:

- Smart Triple Play® Module (1)
- Instructions (1)

Fits: 2023-2024 Harley-Davidson® CVO Street Glide (FLHSXE), CVO Road Glide (FLTRXSE), 2024 Street Glide (FLHX), Road Glide (FLTRX) and CVO Road Glide ST (FLTRXSTSE) with add on 14-Later Tour Pak® and CD-TP-QD-23 harness (**sold separately**).

1997-2013 Harley-Davidson® Electra Glide, Ultra Classic, Ultra Limited models (Including CVO), Road King (FLHR), Road King Classic (FLHRC), Road Glide Ultra (FLTRU) and CVO Road Glide Ultra (FLTRUSE), 1997-2009 Road Glide Standard (FLTR), 2006-2009 Street Glide (FLHX) and 2010-2013 Tri Glide with add on 14-Later Tour Pak® with CD-TP-QD-HD14 harness (**sold separately**).

2010-2013 Harley-Davidson® Street Glide (FLHX) and Road Glide (FLTRX) with add on 14-Later Tour Pak® and CD-TP-QD-SS614 harness (**sold separately**).

2014-2022 Harley-Davidson® Road King (FLHR), 2022-2023 Street Glide ST (FLHXST), Road Glide ST (FLTRXST), 2015-2022 CVO Street Glide (FLHXSE), 2018-2022 CVO Road Glide (FLTRXSE), 2019-2022 Electra Glide Standard (FLHT) and 2014 CVO Road King (FLHRSE) with add on 14-Later Tour Pak® and with CD-TP-QD-14 harness (**sold separately**).



ATTENTION

Please read all Information below before Installation

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

Important: CanBus models do not require a load equalizer.

Caution: Never install a trailer adapter, trailer harness or trailer controller downstream 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.

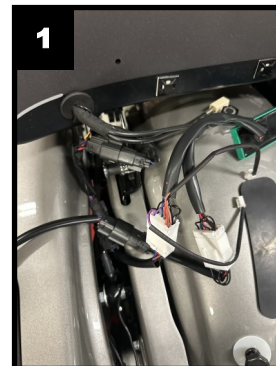
Important: Module must be secured after installation. Find safe area away from any moving parts and out of the way of normal operation of the motorcycle. Use cable ties, tape, or other means to secure. Custom Dynamics® is not liable for damage to the module or the motorcycle as a result of improperly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

Note: If installing with PB-TP-SEQ-R/S, program the TPU for brake/turn function only, and disable the run function.



Installation:

1. Remove seat to gain access to Tour-Pak® wiring harness.
2. Disconnect negative battery cable from the battery.
3. Locate and plug the Smart Triple Play® module, in-line, into the Tour-Pak® wiring harness (**CD-TP-QD-23, CD-TP-QD-HD14, CD-TP-QD-SS614 or CD-TP-QD-14 sold separately**). Shown in Figure 1.



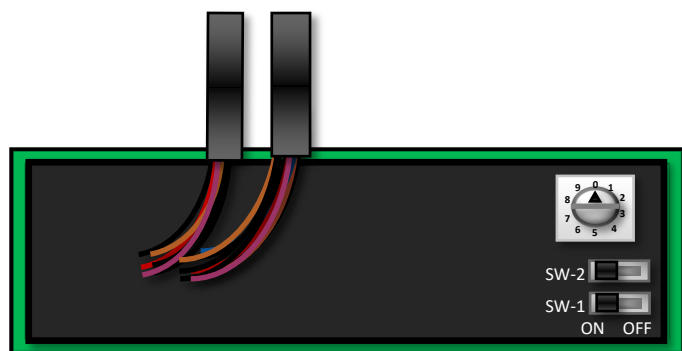
4. Reconnect the negative battery cable to the battery.
5. Locate a secure place for the Smart Triple Play® unit that will not interfere with the secure placement of the seat or side cover. Secure with cable ties to prevent wires from being cut, frayed, or pinched.
6. Perform a BCM Sync (**CanBus Models Only**) by turning the ignition **ON**. Turn 4 way hazards on and count 10 flashes and deactivate. Turn on 4 way hazards for another 10 flashes and deactivate. Turn ignition **OFF** then back **ON**, turn 4 way hazards on for another 10 flashes and deactivate. **Note: After performing BCM Sync, turn ignition ON and check dash indicators operation and make sure they are not Rapid Flashing.**

Questions? Email: info@CustomDynamics.com or Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST

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Initial Setup & Operation

7. Locate the two switches and rotary dial. Be sure the rotary dial is set to position 0. Note there is a 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 below)
8. Turn the ignition key on and check operation as follows:
 - Running lights, turn signals of the Tour Pak® should now be illuminated. If your Tour Pak® lighting is not illuminating as a running light, or you would like to change the brightness, please refer to Step 9 or Step 11, depending on your model.
 - Apply right turn signal and check operation of right turn signal, should flash off to bright. Disable turn.
 - Apply left turn signal and check operation of left turn signal, should flash off to bright. Disable turn.
 - Apply brake light. Check to see that all 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. If no center tail light is applicable, when the left turn signal is on and the brake is applied, the right side turn signal will stop strobing. This is normal operation.



Scan the QR code to the right to be directed to a video showing how to enter Program Mode and adjust the running light intensity of your rear turn signals.



Program Turn Signal Intensity

2019 and earlier models: Note: If you have a 2020 year model and later please proceed to Page 3.

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

To enter the module's program mode:

- 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 brightest. Match the Tour Pak® lighting to rear lighting. 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 Tour Pak® lighting (output violet and brown wires), turn the rotary dial to 9. Press and hold the brake for a couple of seconds. The setting will now be saved.

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

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Program Turn Signal Intensity

2020 and later models:

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

To enter the module's program mode:

- Turn ignition key off, be sure Switch 1 and Switch 2 are in the **OFF** position and the Rotary Dial in the 0 position.
- Disconnect input side of Triple Play from bikes front harness.
- Turn ignition key on.
- Reconnect input plug of the Triple Play to the bikes front harness.
- 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 brightest. Match the Tour Pak® lighting to rear lighting. 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 Tour Pak® lighting (output brown and purple wires), turn the rotary dial to 9. Press and hold the brake for a couple of seconds. The setting will now be saved.

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

13. Clear Diagnostic Trouble Codes (DTC):

- Press and hold the trip odometer reset switch located on the left handlebar control, while turning the ignition **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 ignition **OFF** to exit the diagnostic mode.

Strobe Operation Menu

Switch Functions:

Switch 1 On, Switch 2 On: Strobes/Flashes on all Tour Pak® lights.

Switch 1 On, Switch 2 Off: Strobes/Flashes on Tour Pak® turn signals only.

Switch 1 Off, Switch 2 On: Strobes/Flashes on Tour Pak® center light only.

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

Dial Strobe Functions: **Note:** Patterns 0-3 are compatible with incandescent bulbs or LED. Patterns 4-9 are LED compatible only (**See diagram below**).

Flash Pattern Information:

