



## Custom Dynamics® Load Balancing Smart Triple Play® Installation Instructions

We thank you for purchasing the Custom Dynamics® Load Balancing 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: CD-TPU-SS-XL**  
**(U.S. Patent # 8,588,997)**

### Package Contents:

- Smart Triple Play® Module (1)
- Instructions

**Fits:** 2004 - 2013 Harley-Davidson® Sportster® Models and 2010 Softail® Convertible.

(Does Not Fit: XL1200N, XL1200X, XL1200V, XR1200X, XL883N)



# ATTENTION

Please read all warning Information below before Installation

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

**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.

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

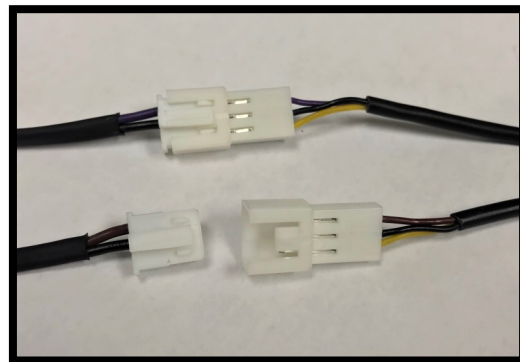
**Caution:** This unit is designed for a maximum load of 27 watts per channel. Do not exceed 27 watts per left turn signal output, 27 watts per right turn signal output, and 27 watts per brake signal output. Overloading unit could cause damage to the unit and cause the unit to malfunction.

**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.

**Notice:** Product is Not DOT approved.



1. Secure motorcycle on level surface. Disconnect negative battery cable from the battery. Locate the lighting connector to the rear fender.
2. Plug the Smart Triple Play® module, in-line, into the rear lighting harness and into the bikes main wiring harness.
3. Re-connect the battery's negative battery cable to the negative of the battery.
4. 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 tie-wraps, tape or other means so that unit cannot move.



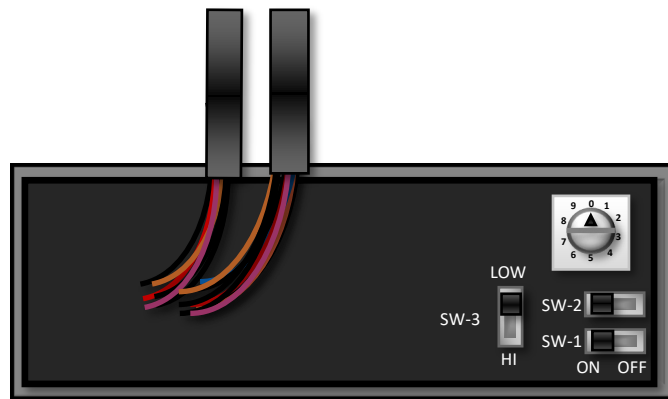
**Note:** Two 3 pin connectors extend from the output side of the Smart Triple Play® module allowing for plug and play installation of additional products such as, Fillerz® and BAGZ™. If installing in conjunction with either of these Custom Dynamics® products simply plug in the left side (purple) and right side (brown) female connectors from the Smart Triple Play® to the corresponding male connectors on the product. If additional products are not being installed these connectors will not be utilized.

**Questions? Call us at: 1 (800) 382-1388 M-TH 8:30AM-5:30PM / FR 9:30AM-5:30PM EST**

## Installation Instructions - Page 2

### Initial Setup & Operation

5. 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 on below)
6. Turn the ignition key on and check operation as follows:
  - Running Lights: Turn Signals and Taillight (if applicable) are now illuminated dimly.
  - 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.



CD-TPU-SS-XL

### Program Mode

7. 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.

#### 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 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.

8. Turn ignition key OFF and set switches for desired Operation.

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## Operation Program Menu

### Switch Functions:

Switch 1 On, Switch 2 On: Strobes/Flashes on all three Rear Lights (Taillight, Left and Right Turn Signals)

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

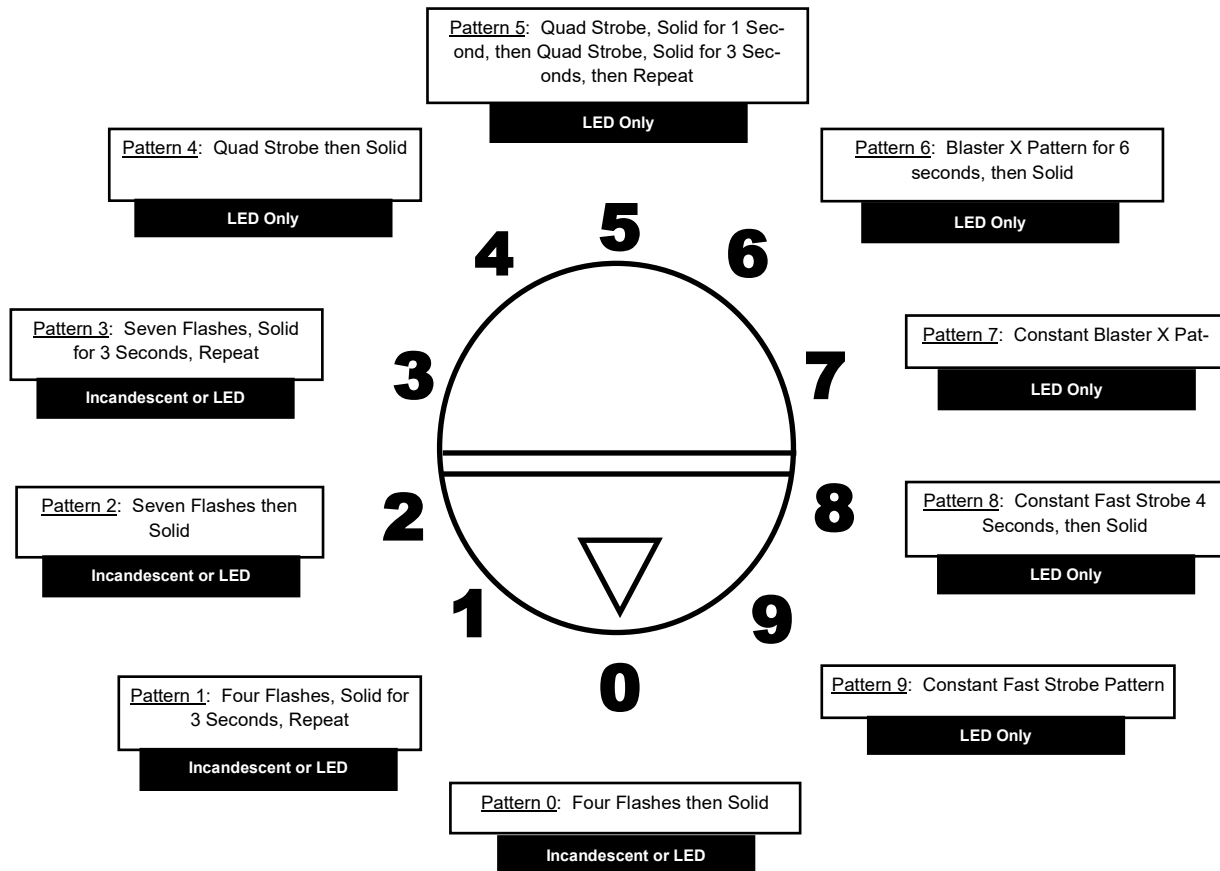
Switch 1 Off, Switch 2 On: Strobes/Flashes on center taillight only

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.

9. Before turning power on, make sure the load switch, SW-3 is in the "LOW" position. (See Diagram on page 2).
10. Turn the key on and perform a turn signal synchronization. With the key in the run position and the motor off, press the right turn signal button and allow the turn signal to flash 2 times, after the second flash press the left turn signal button and allow the turn signal to flash 2 times, after the second flash press the right turn signal and allow it to flash at least 10 times. Turn key off.
11. Turn key on and test turn signal, running lights, and brake lights for proper operation. If you experience fast flashing from the turn signals, turn the key off, move SW-3 to the "HI" position (See Diagram on Page 2), repeat steps 9 & 10.

### Flash Pattern Information:



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