SMART TRIPLE PLAY® Run Brake Turn Controller with Built in Strobe/Flasher (US Patent 8,588,997)

Installation Instructions

Part: GEN-SMART-TPU-UNV

Fits: Universal 12VDC, Non CAN BUS Motorcycles

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: A load Equalizer is required for the SMART Triple Play to function properly. The Load Equalizer MUST be installed on the input side of the Triple Play unit. NEVER install a Load Equalizer Downstream of 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.

Caution: This unit is designed for a maximum load of 27 watts per channel. Do no 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.

1. Secure motorcycle on level surface. Remove seat. Disconnect negative battery cable from the battery. Locate and unplug the lighting connector to the rear fender.

2. Wire the Smart Triple Play® Module, in-line, into the rear lighting harness according to the diagram on page 2 and 3.

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.
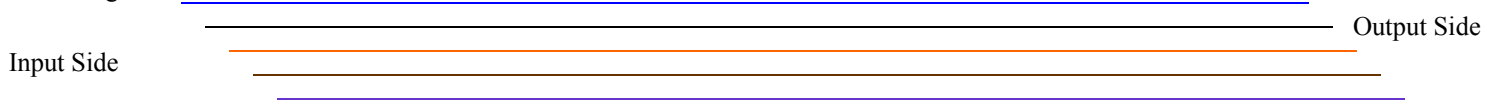
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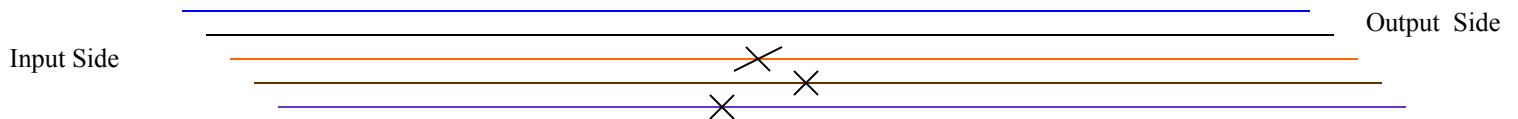## Universal Installation Instructions

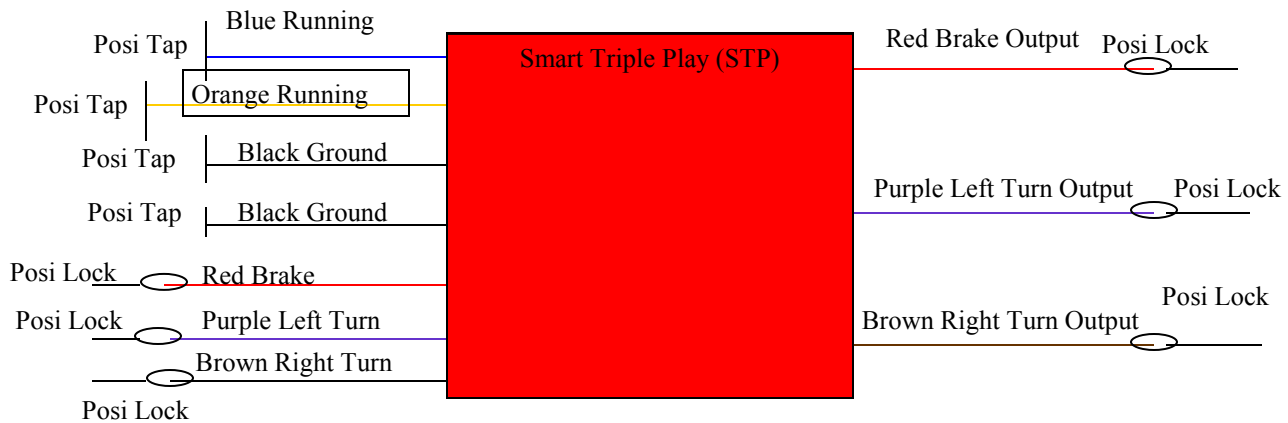1: Locate 5 wires going to rear of bike:
Power—Running
Ground
Brake
Left Turn
Right Turn

Output Side

Input Side

2: Cut the Brake, Left Turn, and Right Turn Wires

Output Side

Input Side

3. Wire in SMART Triple Play

Input Side Wiring (Red Heat Shrink Bundle)
Connect Blue from STP to Running Light Power
Connect Orange STP to Running Light Power
Connect 2 Blacks from STP to Ground
Connect Red from STP to Cut Input Brake wire
Connect Purple from STP to Cut Input Left Turn
Connect Brown from STP to Cut Input Right Turn

Output Side Wiring (Black Heat Shrink Bundle)
Connect Red from STP to Cut Output Brake wire
Connect Purple from STP to Cut Output Left Turn
Connect Brown from STP to Cut Output Right Turn

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Typical wire colors by bike brand.

Note: These colors do not apply to **all** models and years of each brand. *Please verify* your bikes wiring.

Honda			**Yamaha**			**Triumph**		
Ground	-	Green	Ground	-	Black	Ground	-	Black
Brake*	-	Green / Yellow tracer	Brake*	-	Yellow	Brake*	-	Blue
Left turn	-	Orange	Left turn	-	Brown	Left turn	-	Green / Red tracer
Right turn	-	Light Blue	Right turn	-	Dark Green	Right turn	-	Green / White tracer
Tail**	-	Brown	Tail**	-	Blue	Tail**	-	Red
Kawasaki			**Suzuki**			**Aprilia**		
Ground	-	Black / Yellow tracer	Ground	-	Black / White tracer	Ground	-	Blue
Brake*	-	Blue(or w/ Red tracer)	Brake*	-	White / Black tracer	Brake*	-	Yellow / Green
Left turn	-	Green	Left turn	-	Black	Left turn	-	Light Blue
Right turn	-	Gray	Right turn	-	Light Green	Right turn	-	Red
Tail**	-	Red	Tail**	-	Brown	Tail**	-	Yellow

Harley
Ground - Black
Brake - Red (or w/Orange tracer)
Left Turn - Purple
Right Turn - Brown
Tail/Running - Blue

Posi-Tap™ TAP CONNECTOR

Insert Hot Wire

Tighten

Strip Leads

Insert & Tighten

QUICK & EASY

1
2
3
4

- TAPS WIRES WITHOUT CUTTING
- TOTAL WIRE INTEGRITY IS MAINTAINED
- INSTALLS IN SECONDS BY HAND
- NO CRIMPING OR TOOLS REQUIRED
- REUSABLE OR PERMANENT
- LESS RESISTANCE
- VIBRATION PROOF
- FULLY INSULATED

POWERS UP TO (4) LEADS AT ONCE!

NO CRIMPING

NO TOOLS NEEDED

Posi-Lock Connector

Posi-LockConnectors have been put to the test worldwide since 1997. Superior In-Line splices with just hand tightening! The connector of choice from Automoitve OEM's to our US Military.

EASY AS ①②③

🖰 CLICK BELOW

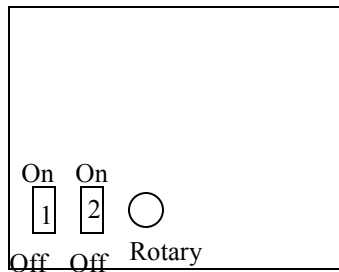① Strip wire 1/2"

② Insert

CONNECTION COMPLETE!

③ Hand tighten

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5. Initial Setup and Operation: Locate the two switches and rotary dial. Be sure the rotary dial is set to position 0. Note there is a screw driver slot to make the dial turn easer, this is not the pointer, 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.

On On
1   2   ○
Off   Off   Rotary

6. 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 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 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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7. The Smart Triple Play ® allows you to program the running light brightness of the turn signals so they are a match to your center taillight.

- 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. Turn Switch 1 On OFF On. . Do not depress Brake or Turns Signals during this action.

- The turn signals should now fade up and down slowly, do not proceed unless this confirmation takes place.

- Turn the rotary dial clockwise, increasing numbers, to increase the brightness of the running lights. 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.

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

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

Rotary Switch Setting to set Brake Flash/Strobe Pattern:

Pattern 0: Four Flashes then Solid (Incandescent or LED)
Pattern 1: Four Flashes, Solid for 3 Seconds, Repeat (Incandescent or LED)
Pattern 2: Seven Flashes then Solid (Incandescent or LED)
Pattern 3: Seven Flashes, Solid for 3 Seconds, Repeat (Incandescent or LED)
Pattern 4: Quad Strobe then Solid for 1 Second then Quad Strobe (LED Only)
Pattern 5: Quad Strobe, Solid for 1 Second, then Quad Strobe, Solid for 3 Seconds, Repeat (LED Only)
Pattern 6: Blaster X Pattern for 3 seconds, then Solid (LED Only)
Pattern 7: Constant Blaster X Pattern (LED Only)
Pattern 8: Constant Fast Strobe 5 Seconds, then Solid (LED Only)
Pattern 9: Constant Fast Strobe Pattern (LED Only)

9. Turn ignition key on and Test Operation based on your desired switch settings.
10. Reinstall Seat.