



Synapse is a breakthrough intelligent electrical interface that enables you to trigger any light show using 12-24V signals from car wash controllers, IBAs, motion sensors, or any other electrical signal.

With 8 inputs per device, and the ability to chain multiple devices together, you will unlock endless possibilities to automate your lights.



Questions? Please reach out to kyle@bigdotinc.com or call us at (615) 850-1870

Installation

The Synapse device is installed by connecting 5V power and Ethernet. Then, after unscrewing the top four screws, connect up to eight 12-24V trigger inputs to the green terminals. Each input must have two wires: + (signal) and – (ground).

Operation

Each input trigger in Synapse can be programmed to trigger any light show through the Harmony Web Interface. When Synapse receives a trigger signal, it is sent to your Harmony DMX controller to activate a programmed light show.

Types of light shows include Static Color, Flash All, Chase, Fade All, Fade Chase, Random Fade, Beatmap Chase, Beatmap Flash, and Beatmap VU Meter.

Car Wash Practical Applications

- Connect motion sensors to Synapse to change a self-serve bay's lights white only while occupied by a car
- Connect your IBA or tunnel controller to Synapse to trigger different light shows at specific parts of the wash experience
- Have an override all white button to use for emergencies or maintenance

Synapse Trigger Interface	
Inputs	8 per device
Trigger Input Voltage	DC 12-24V
Device Power Input Voltage	DC 5V 2.5A
Smart Connectivity	Internet / Cloud Server
Connectivity Port	RJ-45 Ethernet
Size	6.5" x 4.25" x 2.25"
Weight	1lb 4.4oz (579g)
Finish Color	Black
Fixture Material	Aluminum
Warranty	5 Year Warranty

