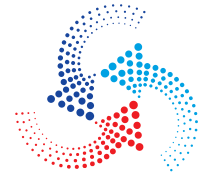# Federal Signal Introduces Allegiant® Light Bars Featuring FSJoin™ and "Hot Corners"

Federal Signal is excited to announce that serial communication Allegiant® light bars now feature FSJoin™ technology. FSJoin is a programming compatibility feature of Federal Signal's light bars and exterior/interior warning lights that work in conjunction with the Pathfinder® light/siren controller.

This technology enables the synchronization of functions, operation, and flash patterns of individual light heads from multiple warning devices in order to create a unified vehicle solution when using the Pathfinder light/siren controller.

The Allegiant has also been improved to include "hot corners" which double the light output from the front corners of the light bar. The front corners of Police/Fire Allegiant light bars now include (12) LEDs per color for a total of (24) LEDs in each corner when configured as dual-color light bar.
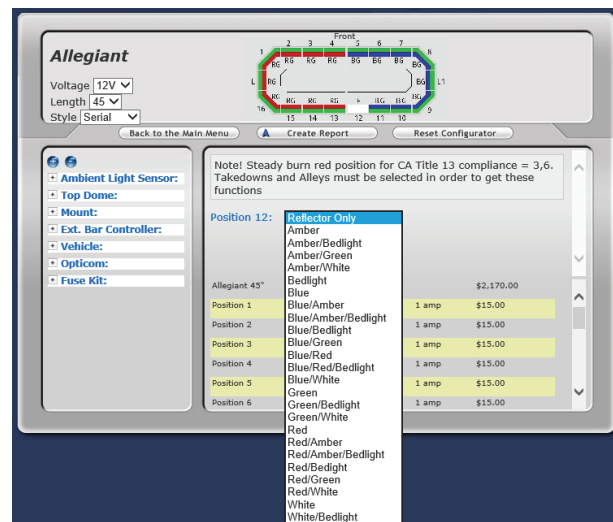
FSJoin™

F E A T U R E S

- FSJoin is available for serial controlled Allegiant light bars in 45, 53, 61, and 70-inch lengths (for 12 V and 24 V models)

- All FSJoin compatible products can be programmed through the Convergence Network Configuration Software

- Allows for firmware updates through the Convergence Network Configuration Software without having to open the product or using the ROC programmer

- Easy synchronization of light bar to Pathfinder controlled warning lights

- Simplified programming and full customization of light bar patterns and position color activation

- "Hot Corners" double the light output from the front corners of 45, 53, 61, and 70-inch Allegiant light bars

Note: FSJoin is only compatible with serial controlled models (FS Convergence Network). Currently, the serial interface module (8583469E) and all previous serial interface module model numbers (A-E) are not FSJoin compatible

Changes to Online Configurator

New color combinations are now available on Allegiant online configurator. These new changes allow you to be in complete control while configuring your Allegiant light bar.

Convergence Network Configuration Software

Through the Convergence Network Configuration Software, you can program each individual light head to do a variety of functions. In addition to syncing the Allegiant with other FSJoin compatible products and creating your own custom flash patterns, the software allows you to program a variety of functions, such as the ones listed below.

• Create separate color modes	• Brake lights*
• Choose takedown modules	• Reverse lights*
• Choose alley modules	• Worklights/Rear Flood lights
• Cruise individual modules	• Choose SignalMaster color
• Program flash rates for individual modules	• Turn signals*
• Sync modules with Pathfinder relays	

OBDCABLE is needed (sold separately)

FSJOIN How-to Videos

Need help getting started with FSJoin? Visit our YouTube channel for a variety of FSJoin step-by-step videos.

How to upgrade a non-FSJoin Allegiant to be FSJoin compatible

Not sure if your Allegiant light bar is FSJoin compatible? Look for the "Allegiant® FSJoin™" nameplate on the ends of your light bar.

If you have an Allegiant light bar that you would like to upgrade to be FSJoin compatible, you will need to replace the control board using the model number below.
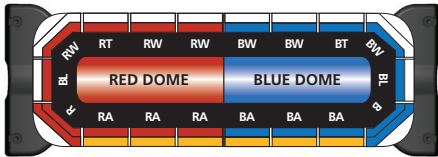
Model #	Description	2021 List Price (US$)
Z20000358C-234	Replacement control board, Allegiant light bar	$200.00

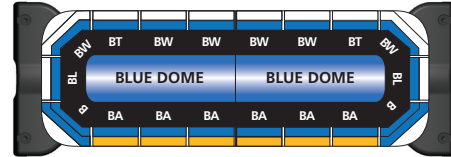*page 2 of 3*

Choose from the popular Police and Fire configurations below or visit our light bar configurator to build a custom Allegiant. All models listed below are Convergence Network compatible, feature FSJoin technology, and have "hot corners."
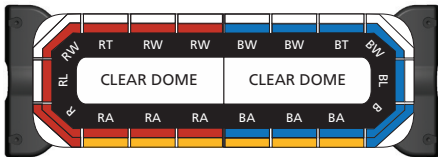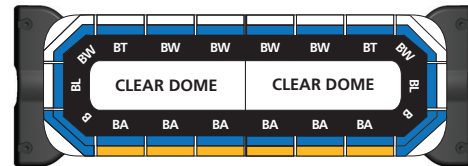
Police Models

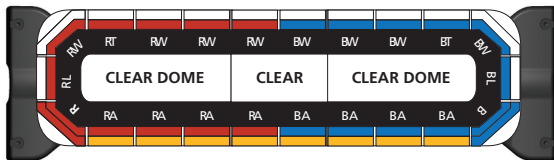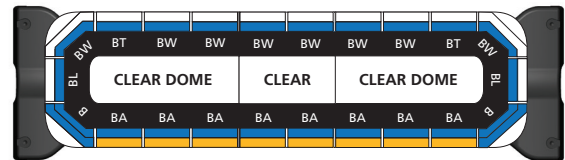ALGT45J-P1LRB (low hook mount)

ALGT45J-P2LB (low hook mount)

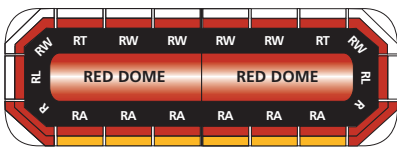ALGT45J-P1LC (low hook mount)

ALGT45J-P2LC (low hook mount)
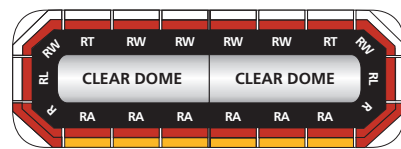

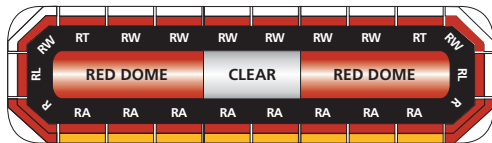ALGT53J-P1LC (low hook mount)

ALGT53J-P2LC (low hook mount)

Fire Models

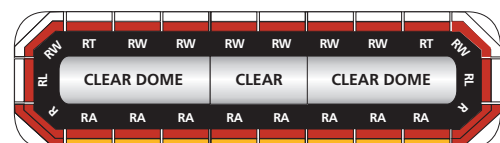

ALGT45J-F2HR (hook mount)

ALGT45J-F2HC (hook mount)

ALGT53J-F2HRC (hook mount)

ALGT53J-F2HC (hook mount)

Effective February 15, 2021, orders for serial controlled (Convergence Network compatible) Allegiant light bars will include FSJoin technology and have "hot corners".