



# AI SERIES



AI-0817, AI-1417, AI-2017, AI-2717, AI-3317, AI-4017, AI-4617, & AI-5217

## INSTRUCTION MANUAL



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# SAFETY REGULATIONS & WARRANTY



## SAFETY REGULATIONS

The following provides all the information necessary to safely operate the previously listed products of Feniex Industries, Inc. Please read this manual thoroughly before installing or operating your new product in order to prevent any damage or injury. Failure to follow the listed instructions in this manual may result in damage to your products or personal injury.

- Proper installation of this product requires good knowledge of automotive systems, electronics & procedures.
- Please guarantee all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. Check all sides of the mounting surface before drilling any holes into the vehicle.
- Do not install this product in any way that interferes with the deployment of the air bag. Doing so may damage the effectiveness of the air bag & can lead to serious personal and vehicle injury. The installer will assume full responsibility of proper installation of the new unit.
- Please clean the mounting surface before installation of the unit when using tape, brackets, magnet, Velcro or suction cups.
- The product's ground wire must be connected directly to the negative (-) battery post for effective use of the unit. Please follow all wiring guidelines provided to guarantee long lifespan & productivity. Failing to follow these instructions may result in damage to the product.

## WARRANTY

Feniex Industries, Inc. warrants to the original purchaser that the product shall be free from defects in material & workmanship for 5 years from the date of purchase for all LED products. Feniex Industries warranties speakers, sirens, flashers, & controllers for 2 years.

If warranty service is needed, please contact customer support:

**Phone:** 1.800.615.8350

**Web Site:** [www.Feniex.com/support](http://www.Feniex.com/support)

**Email:** [techsupport@feniex.com](mailto:techsupport@feniex.com)

If the product needs to be returned for repair or replacement, contact our customer service team (using any method listed above) to receive a Return Merchandise Authorization (RMA) number. Operational times are from 9 a.m. to 6 p.m. central time, Monday through Friday.

 Please do not send in product without contacting support first for a Return Merchandise Authorization (RMA) number.

## CONDITIONS

Feniex Industries, Inc. will not be held responsible for any costs associated with equipment removal and/or re-installation resulting from a warranty claim. It is the sole responsibility of the party initiating a warranty claim to pay shipping charges associated with returning a product to Feniex Industries for repair or replacement.

## SERVICE AFTER EXPIRATION

Feniex Industries will still provide service for all products after expiration of the warranty. For any issues, call the customer support line. In some instances it may be necessary for the product to be shipped, freight prepaid and insured for loss or damage to Feniex headquarters.

 Utilizing non-factory screws and mounting brackets may result in the loss of warranty coverage.

## COPYRIGHT

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## FENIEX PRODUCT COPYRIGHTS

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# SPECIFICATIONS, DIMENSIONS, & BOX CONTENTS



## SYSTEM SPECIFICATIONS

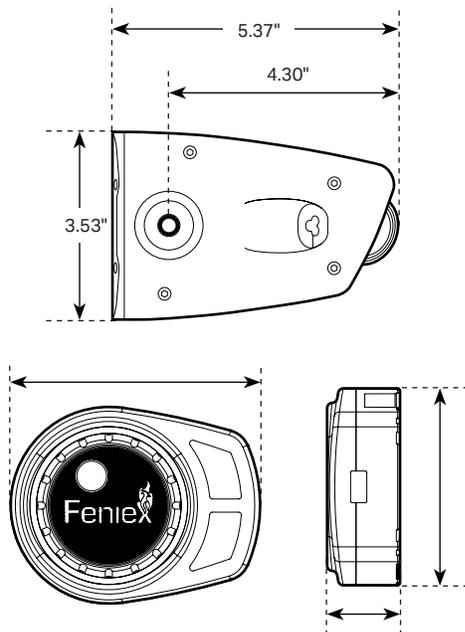
Input Power	11.5 - 15 VDC
Current Draw	See Table Below
Modes	Autonomous, AI, Custom, Dim, Focus, & Presets
Software	Windows & Mac
AI Bar Mounts	L-Brackets & Vehicle Specific Brackets
Controller Mount	Swivel Mount

## POWER SPECIFICATIONS

8" AI-0817	6,500 Lumens	125mA Standby	6 Amps*
14" AI-1417	12,500 Lumens	145mA Standby	11 Amps*
20" AI-2017	19,000 Lumens	160mA Standby	16 Amps*
27" AI-2717	25,000 Lumens	180mA Standby	21 Amps*
33" AI-3317	31,000 Lumens	195mA Standby	26 Amps*
40" AI-4017	37,500 Lumens	215mA Standby	31 Amps*
46" AI-4617	44,000 Lumens	230mA Standby	36 Amps*
52" AI-5217	50,000 Lumens	250mA Standby	41 Amps*

\* Fuse all circuits at 125% of total load

## DIMENSIONS



## LENGTHS

8" AI-0817	7.80"	33" AI-3317	32.84"
14" AI-1417	14.06"	40" AI-4017	39.10"
20" AI-2017	20.32"	46" AI-4617	45.36"
27" AI-2717	26.58"	52" AI-5217	51.62"

## BOX CONTENTS

BOX CONTENTS	QUANTITY
1) AI Light Bar	1
2) AI Controller	1
3) Brackets	2
4) Swivel Mount	5
5) USB Cable	1
6) RJ45 Cable	1
7) Antenna	1
8) Nuts	2

## ADD-ON ACCESSORIES\*

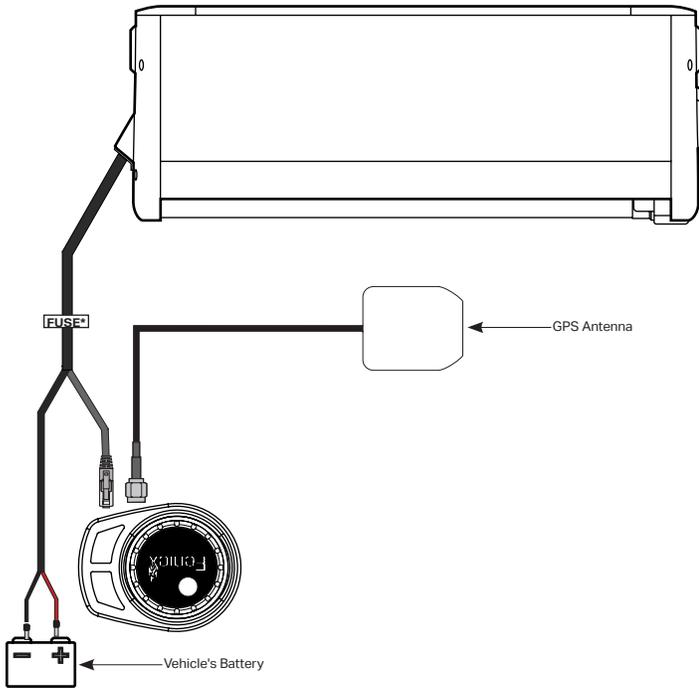
ADD-ON ACCESSORIES*	QUANTITY
RJ45 Hub (AIK-502811)	1

\*Sold Separately



RJ45 Hub  
Sold with quantities of 2 or more AI Lightbars

## WIRING DIAGRAM



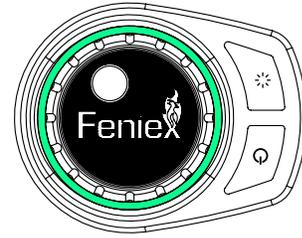
COLOR	FUNCTION	CONNECTION
■ Black	Ground / 12v (-)	Chasis Ground
■ Red	Battery / 12v (+)	Positive Battery Terminal
■ Gray	Control / RJ45	AI Controller

## WIRING INSTRUCTIONS

- 1) Connect the AI Controller to the AI Lightbar using the RJ45 cable.
- 2) Mount the Antenna on the roof of the vehicle and connect it to the controller.
- 3) Connect the lightbar to the battery, attaching the red 12V+ wire to the positive terminal of the vehicle's battery. Ground the black wire or connect it to the 12V- terminal of the vehicle's battery.
- 4) Press the power button twice to turn on the controller and lightbar.

**⚠ The AI Series is extremely bright and can be dangerous to your vision. Wear protective glasses while looking at the product.**

## CONTROLLER FUNCTIONS

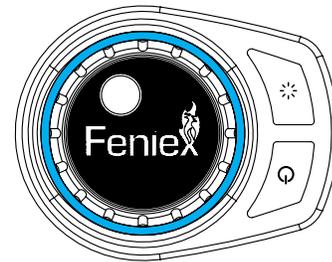


■ **Autonomous Mode:** Press the ✨ button to cycle to Autonomous Mode (indicated by green). Download the AI Software ([fenix.com](http://fenix.com)) to select from 2 different options:

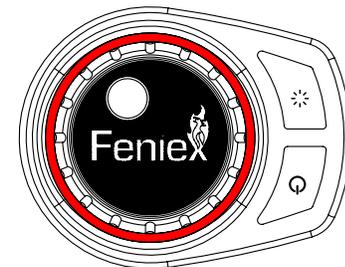
**AI Mode:** Monitors the speed of the vehicle and adjusts the light spread accordingly, without the user's control.

**Custom Mode:** Select your preferred turn sensitivity and speed for light spread adjustments.

The LED ring will brighten as the speed increases, thereby narrowing the light spread.



■ **Dim Mode:** Press the ✨ button to cycle to Dim Mode (indicated by blue). Rotate the dial to adjust the brightness. When the led screen is completely dim, no lights will be on. When the led screen is completely lit, the bar will be at 100% brightness.



■ **Focus Mode:** Press the ✨ button to cycle to Focus Mode (indicated by red). Rotate the dial to adjust the focus on the lights. When the LED screen is completely dim, the lights will be in full spread. When the LED screen is completely lit, the lights will be in full spot.

**Memory Presets:** Memory presets are the default settings if the controller is disconnected from the lightbar. To set:

- 1) Set the focus (Focus Mode)
- 2) Set the brightness (Dim Mode)
- 3) Press and hold the brightness button

# MOUNTING

## VEHICLE SPECIFIC MOUNTS

CHEVROLET	FROM YEAR	TO YEAR	PART #
2500 & 3500 HD	2007	2013	AIB-010
2500 & 3500 HD	2014	2018	AIB-006
Avalanche	2006	2013	AIB-010
Colorado	2015	2018	AIB-005
Silverado	2007	2013	AIB-010
Silverado	2014	2018	AIB-006
Tahoe & Suburban	2007	2014	AIB-010
Tahoe & Suburban	2015	2018	AIB-006

DODGE	FROM YEAR	TO YEAR	PART #
RAM 1500, 2500, & 3500	2009	2018	AIB-012

FORD	FROM YEAR	TO YEAR	PART #
F-150	2009	2018	AIB-004
F-150 Raptor	2010	2018	AIB-004
F-250 & F-350	2015	2018	AIB-004
F-450	2009	2014	AIB-004
F-450	2015	2017	AIB-004

GMC	FROM YEAR	TO YEAR	PART #
2500 & 3500 HD	2007	2013	AIB-010
2500 & 3500 HD	2014	2018	AIB-006
Canyon	2015	2018	AIB-005
Sierra	2007	2013	AIB-010
Sierra	2014	2018	AIB-006
Yukon & Yukon XL	2007	2014	AIB-010
Yukon & Yukon XL	2015	2018	AIB-006

JEEP	FROM YEAR	TO YEAR	PART #
JK Roof	2007	2018	AIB-001
JK Hood 20"	2007	2018	AIB-008
JK Hood 27"	2007	2018	AIB-009

TOYOTA	FROM YEAR	TO YEAR	PART #
Tacoma Roof	2004	2015	AIB-003
Tacoma	2016	2018	AIB-002
Tundra	2007	2018	AIB-011
4Runner	2010	2018	AIB-002

## UNIVERSAL MOUNTING INSTRUCTIONS



- 1) Use the provided hardware to attach the left and right bracket on either end of the lightbar (recommended torque setting of 25ft/lbs).
- 2) Once secured, place the lightbar on the intended mounting surface. Mark the hole placement of the bracket.

**!** Attach the lightbar to a secure area of the vehicle that can support the weight. Do not drill into any parts that may have wiring or might tamper with the functionality of the vehicle.

- 3) Drill the 2 holes marked in step 2 for the brackets.
- 4) Secure the lightbar and brackets to the mounting surface.
- 5) Route the wires away from any sharp edges and follow the wiring diagram on the following page.

# SOFTWARE

## SOFTWARE DOWNLOADS



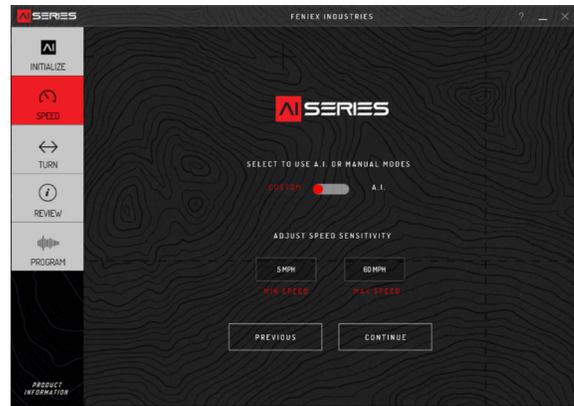
## SOFTWARE CONFIGURATION

**1) Download:** Download and install the AI software from [fenix.com](http://fenix.com)

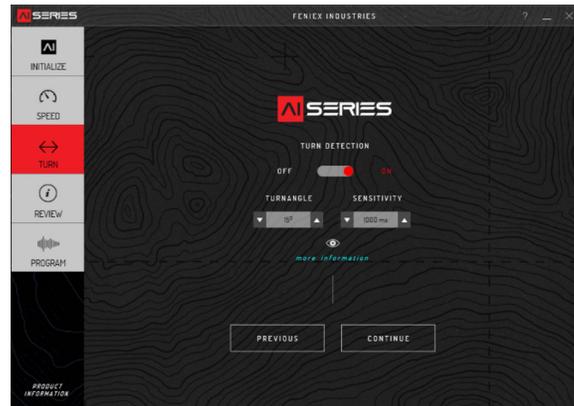
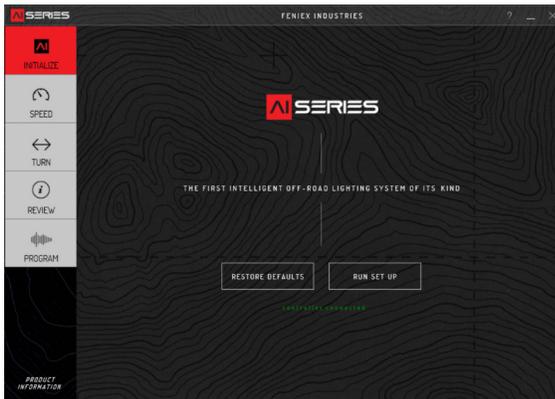
**2) Connect:** Using the provided USB cable, connect the AI Controller to your computer.

**3) Launch:** Launch the AI Software.

**4) Initialize:** Click *run set up*.

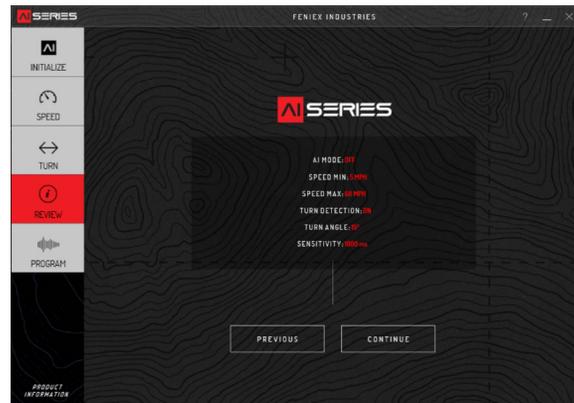
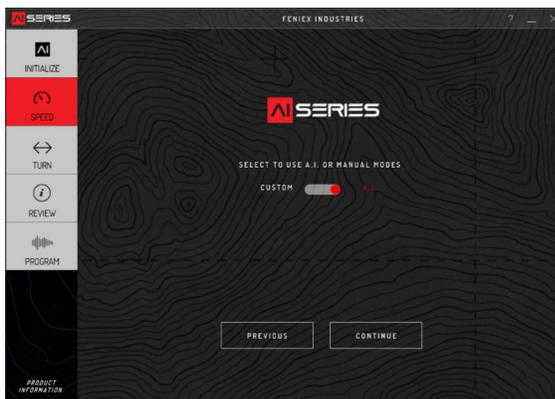


**6) Turn:** Turn Detection controls the lightbar's *Turn Angle* and *Sensitivity*. *Turn Angle* changes the light spread based on the sharpness of the turn. *Sensitivity* controls how the light spread will change over the duration of the turn.



**5) Speed:** Select *Custom* or *AI*.

**7) Review:** Check your final settings of the lightbar. Click *continue* to program the bar or *previous* to change your settings.



*AI* mode changes the light spread based on your driving characteristics. *Custom* mode allows the user to manually input values for turn sensitivity and speed.

**8) Program:** *Programming Successful* indicates your bar has been programmed and is ready to use.