



*Blink***STOP**

for Ariel Atom 4

*user guide &
fitting instructions*

“the units are great and a real boon to kit car ownership”

“the products are top quality”

BlinkSTOP: Super smart auto-cancelling indicator control in a weight and power-efficient module



“BlinkSTOP is a top quality piece of kit. You won't go wrong and it's easy to fit”

“BlinkSTOP works perfectly .. very easy to install”

Thank you for purchasing BlinkSTOP!

BlinkSTOP, the smart and easy way to add indicator control to your Atom 4.

Here's all the information you'll need.



CONTENTS

BlinkSTOP unit with loom

Hook and loop pad & cable ties

WARNINGS

Please read the fitting instructions carefully before commencing

DISCONNECT VEHICLE BATTERY BEFORE INSTALLATION

FEATURES

- Plug & Play loom and OEM connectors designed specifically for the Atom 4.
- No permanent alterations to the existing harness required.
- Easily fitted and restored to factory build in under 30 minutes.
- BlinkSTOP's smart features ensure it functions only when you want it to and does not otherwise affect the standard Ariel feature.
- BlinkSTOP auto-cancels your indicators after 18 seconds (easily configurable to 12 secs if preferred).
- Paused in traffic or waiting to turn? Indicator cancelling is disabled by the brake pedal, and for up to 9 seconds afterwards so that the indicators remain on until you've finished your manoeuvre.
- Lightweight, compact, efficient and cost-effective design.

BlinkSTOP

SPECIFICATION

Case dimensions 75mm x 50mm x 27mm.

BlinkSTOP can be set for either 12 or 18 seconds of indicator flash duration with a user-configurable DIP switch.

Cancelling is inhibited while the brake pedal is pressed.

BlinkSTOP can be used with any [ON] / [OFF] / [ON] switch or can be used with momentary [ON] push buttons:

- With an [ON] / [OFF] / [ON] switch, normal indicator function is returned by first switching to [OFF], then to whichever direction is needed;
- With push buttons, the indicator can be toggled [ON] and [OFF] with each push.
 - If changing direction from Right to Left (or vice versa), push the opposite button once and the indicator will cancel and switch to the new required side, with a reset of the cancelling timer.
 - A very short press (<0.2 secs) will trigger lane indication mode. The indicator will flash 4 times then cancel.



CONFIGURATION

Remove the four screws and open the case.

Set DIP1 switch to match your indicator switch type:

- Lucas = [ON] / [OFF] / [ON] toggle switch. This is the **default** setting;
- mom = Momentary Left and Right push buttons.

Set DIP2 switch for your preferred maximum flash duration:

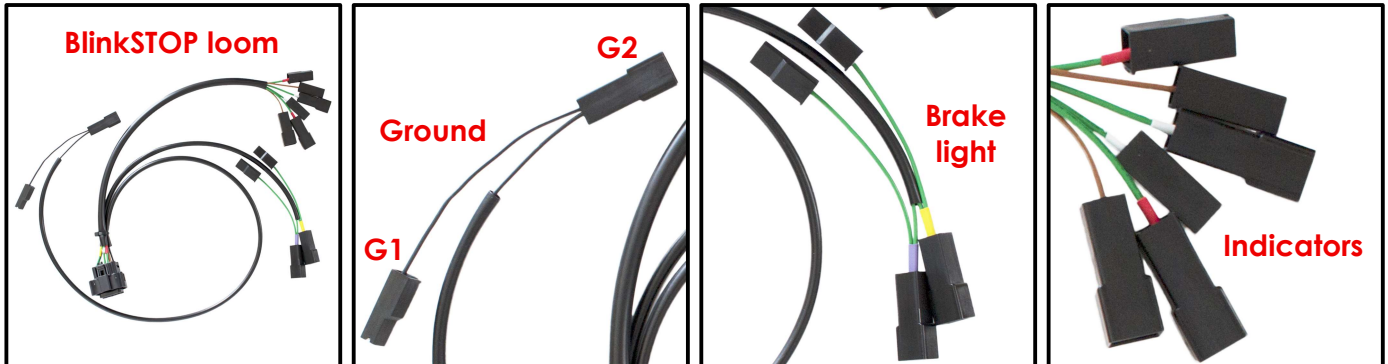
- 18 seconds. This works well for [ON] / [OFF] / [ON] toggle switches and is the **default** setting;
- 12 seconds. Recommended for pushbuttons or a momentary centre-sprung toggle switch.

Close the case and replace the four screws, without over-tightening.



INSTALLATION

1. Review the loom diagrams below before commencing installation.



2. Disconnect the vehicle battery.

3. Ground Connection (2 connectors)

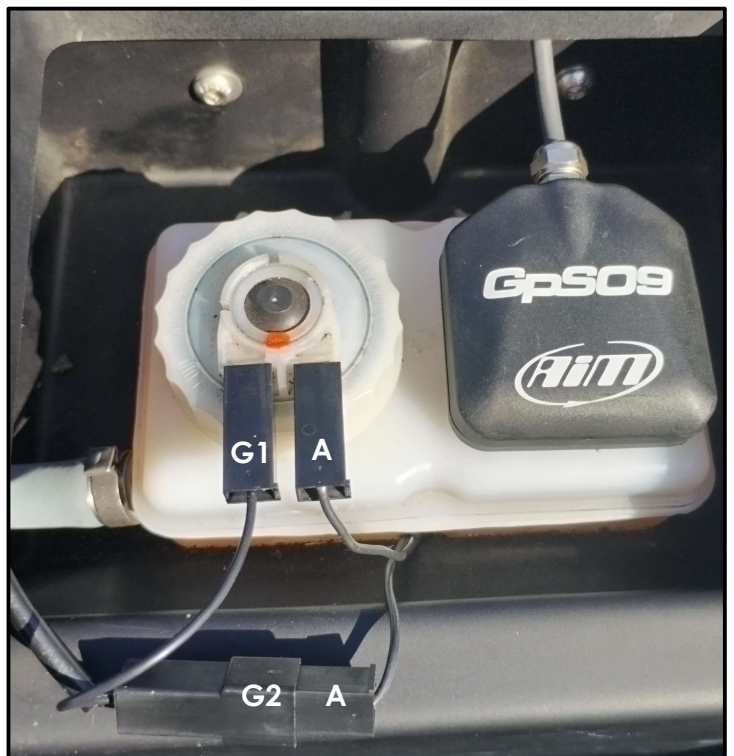
Feed the BlinkSTOP ground wire (black with one male & one female connector, see G1 and G2 in Picture 1 below) through to the brake fluid reservoir from below the dash area.

Identify the vehicle ground wire (solid black with <math><0.5\text{ Ohms}</math> resistance to battery negative post, which will be **one** of the two labelled A in Picture 1).

Disconnect the identified vehicle ground wire A, connect the BlinkSTOP ground wire connector G1 in its place, then connect the vehicle ground wire A to the BlinkSTOP ground wire connector G2 (see Picture 2).



Picture 1



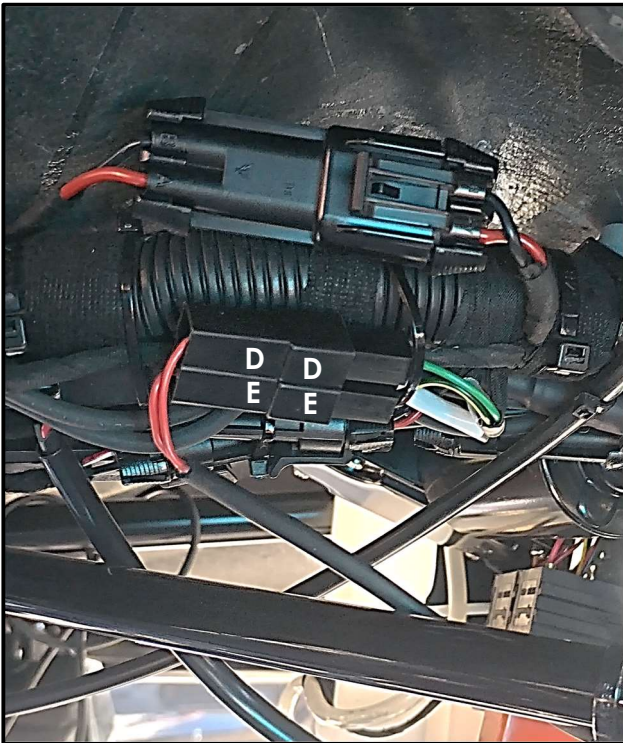
Picture 2

4. Brake Light Switch Connection (4 connectors)

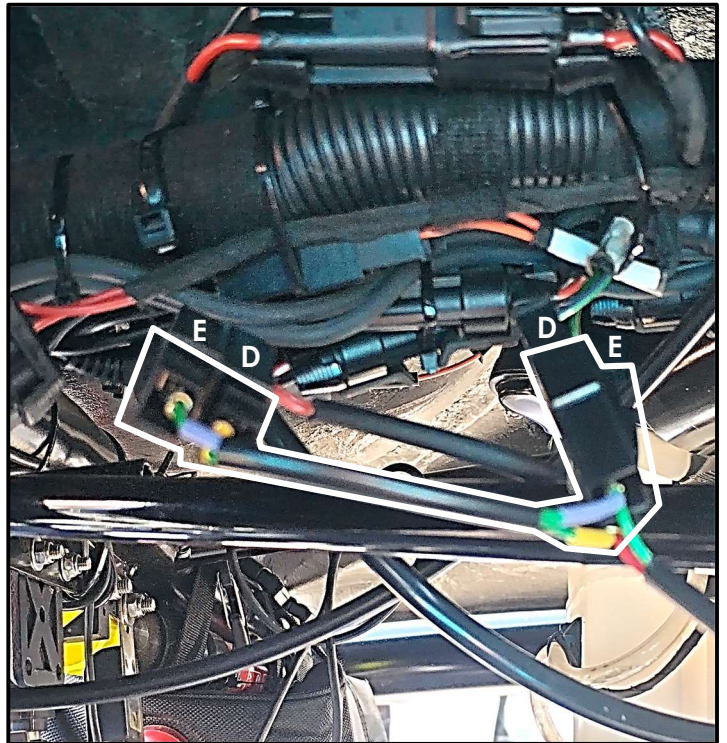
Identify the switched output of the brake light switch (Picture 3). There is an ignition-switched Live on one spade (green/yellow wire) and a brake-switched Live on the other spade (green/purple).

Separate the brake light switch connectors, shown as D and E in Picture 3.

Insert the 100mm pass-through BlinkSTOP loom matching the green/yellow and green/purple wires, as outlined in Picture 4.



Picture 3



Picture 4

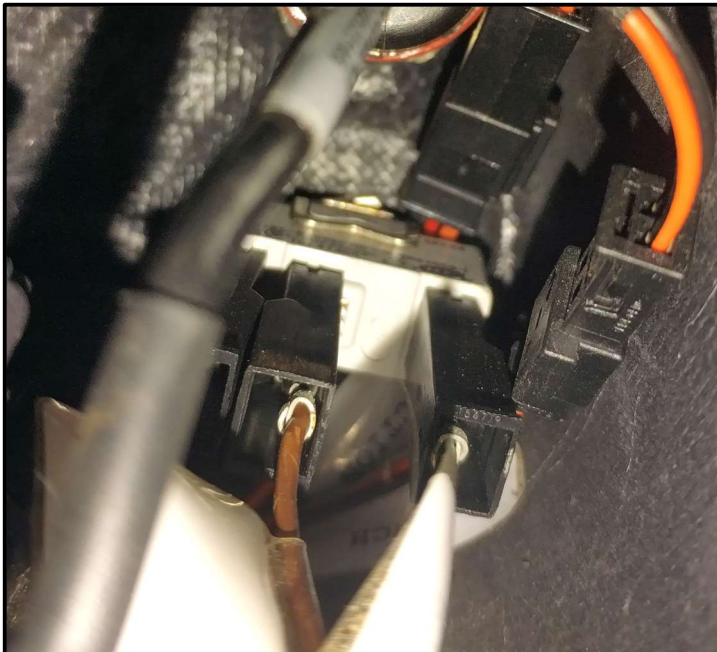
5. Indicators Connection (6 connectors)

Identify the left and right indicator circuits at the indicator switch (green/red and green/white respectively, see Picture 5).

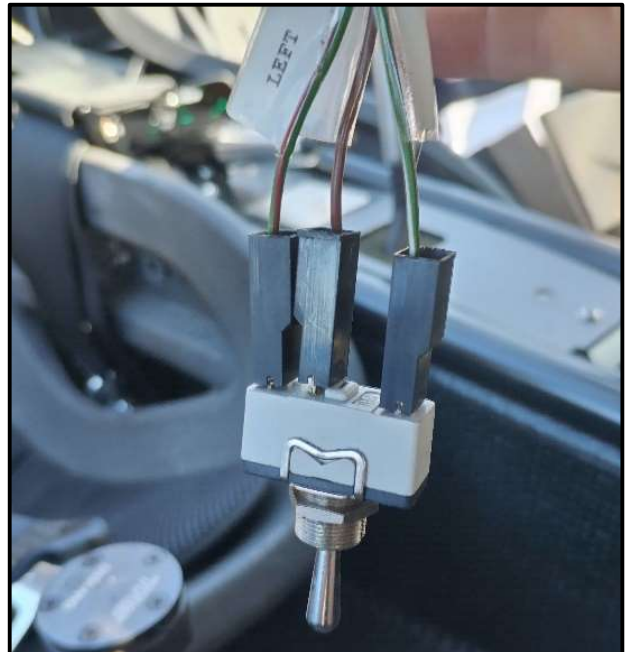
Disconnect the indicator switch female connectors* shown in Picture 5 (left: green/red, common: brown, right: green/white).

*NOTE you may find it easier to remove the indicator switch to do this - peel off the rubber boot, unscrew the brass collet and locking ring nut so that the switch can be easily removed from behind the instrument binnacle. See Picture 6. Re-fitting is the reverse.

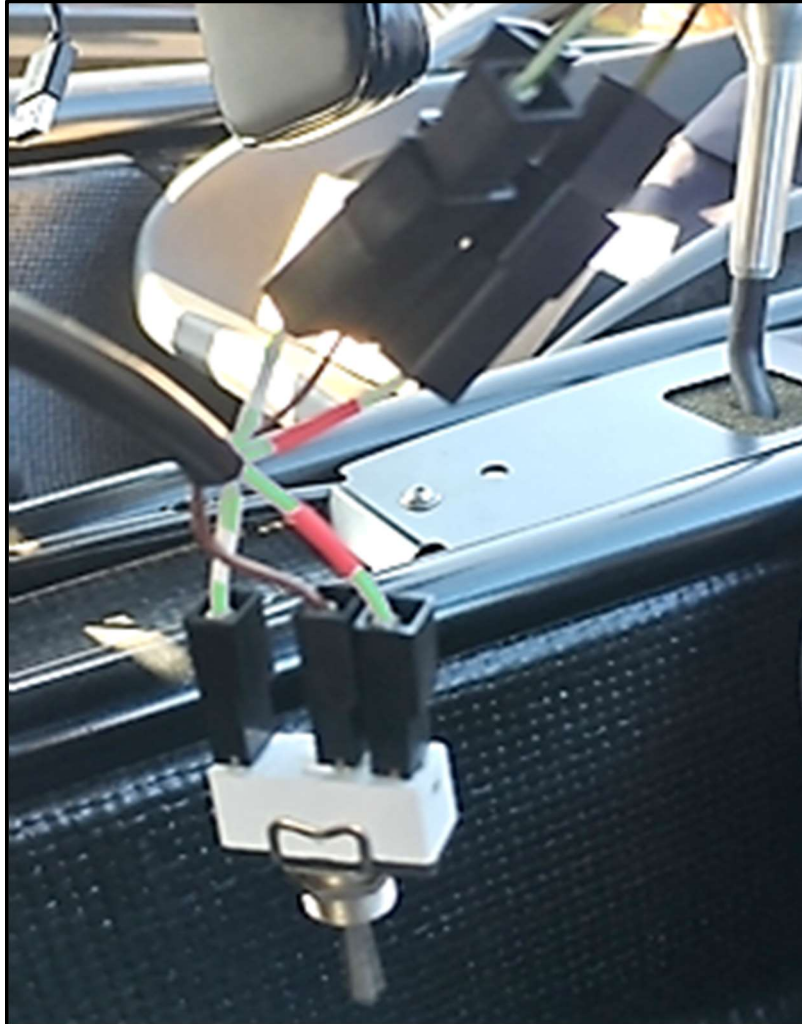
Connect the BlinkSTOP female loom connectors to those same switch contacts as shown in Picture 7 (left: green/red, common: brown, right: green/white) and connect the Ariel loom to the BlinkSTOP male connectors (left: green/red, common: brown, right: green/white).



Picture 5



Picture 6



Picture 7

6. Final Steps

Connect the BlinkSTOP unit to the BlinkSTOP loom.

Re-connect the vehicle battery.

7. Test the Installation

Confirm that:

- a) Indicators automatically turn off after 18 seconds if the switch is left ON
- b) Indicators remain on whilst the brake pedal is pressed

8. Complete the Installation

Use the cable ties to secure the BlinkSTOP loom wires against the Ariel loom wires, making sure nothing can rub or is left loose.

Attach the BlinkSTOP box to a suitable location behind the dash such as above the steering column using the supplied hook & loop adhesive pads.

GUARANTEE

All our products come with a two-year guarantee, except our batteries which have a five-year guarantee.

RETURNS & EXCHANGES

You can return many of our products within 14 days from delivery, however customised goods and bespoke hardware, firmware and software cannot be returned or exchanged.

GOT A PROBLEM OR CHANGED YOUR MIND?

In all cases, we will be reasonable and responsive and will endeavour to give an excellent service. Please see blinkstop.co.uk/shop for further details.

BlinkSTOP.co.uk

Contact:
info@blinkstop.co.uk

Another quality product from

Kit Car Electronics Limited

