

Auto Headlamp Switch Installation (no cutting)

These instructions relate to the Bluetooth version of the “Chinese” Auto Headlamp switch.

If you want to cut a hole in the headlamp switch fascia and add a chrome ring then these instructions will help, but do not cover the optional approach of trimming the fascia to mount the complete switch and “Icon ring”

Remove the icon ring from the switch by releasing the four small clips as shown here (including the one that is on the “flat” portion of the ring)



This will loosen the icon ring but the hole in the centre is not big enough to allow you to remove it. To get it off you need to remove the Brushed Aluminium section of the knob. You need to use a fair amount of force but work on one side until it is free then the other. The trim will then lift up and slide off





Now you can go to the car and start by removing the switch and fascia. To do this turn it to position O pressing reasonably firmly and at the same time turn it clockwise. It wont turn far but you should be able to pull the switch and fascia out (while holding it in that position. You need to remove the switch from the fascia BUT the knob is too big. To overcome this (after you have lessened it by undoing the same four clips that held the ring on the new switch) turn the switch to the last position (headlights ON and pull the knob out, as if you were turning on the fog lights. That will give you JUST about enough space to separate the switch from the fascia (it is tight but you can angle it out.



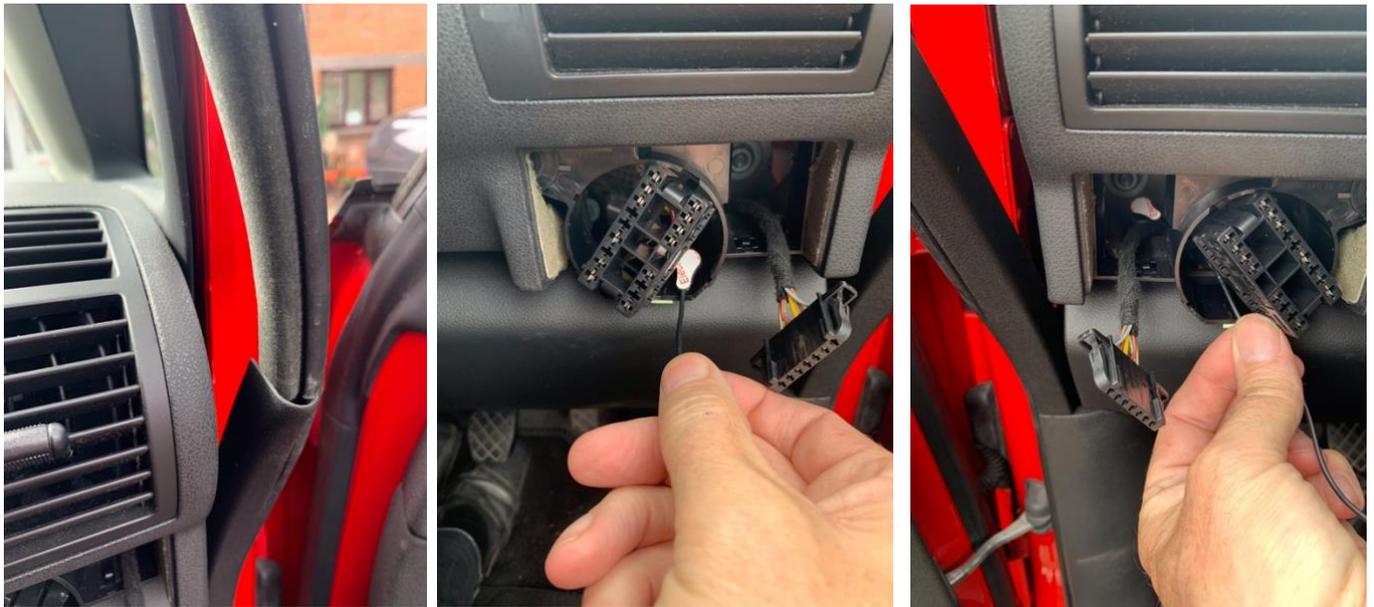
That is the hard part done (and it wasn't that hard !)

You can now click the new switch into place (lining up the flat sections together) Refit the brushed aluminium trim and you are nearly there !!



Now we need to replace the unit but firstly we need to feed the sensor through the hole where the switch goes so that the wiring is not trapped. To prepare for the routing of the sensor depends on where you want to position it. It works fine anywhere you want to put it but I prefer a short and easy route, although some people might prefer to feed it to a point behind the instrument cluster cowling. It is up to you. But me being a bit lazy I prefer the following option.

Ease the door seal away just to the right of where the fascia is then feed the wire from the switch out through there. It is not that difficult because you have just enough space to be able to feed the sensor to the right and then forward. You can see the sensor in the third picture still.



Take up the excess wire into a bundle and then feed it through and reinsert the fascia. Tap back the door seal, remove the backing from the sensor and stick in position. I actually use mine in the triangular window to keep the wiring simple.

The switch is installed. The icon ring is one step out but since it is automatic you don't need to look at it. The side light position (i.e. straight up) is now the Auto position.

You can now install the app and personalise the light settings as shown below

Connecting the switch to Bluetooth to adjust the settings

No instructions come with the kit but with most translations that probably helps rather than hinders.

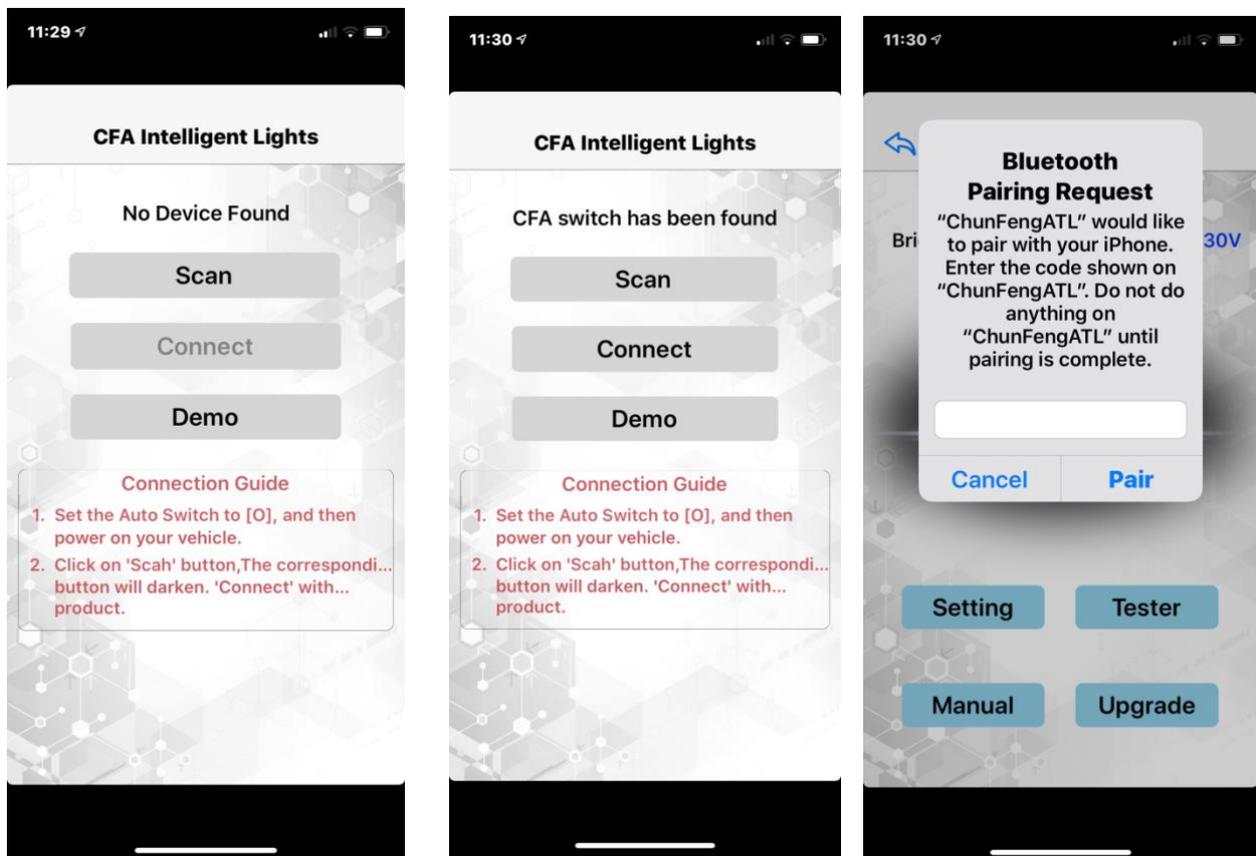
Firstly install the App – it is called “CFA Light” (or similar)

Open the app (after making sure that you have Bluetooth set to ON on your phone)

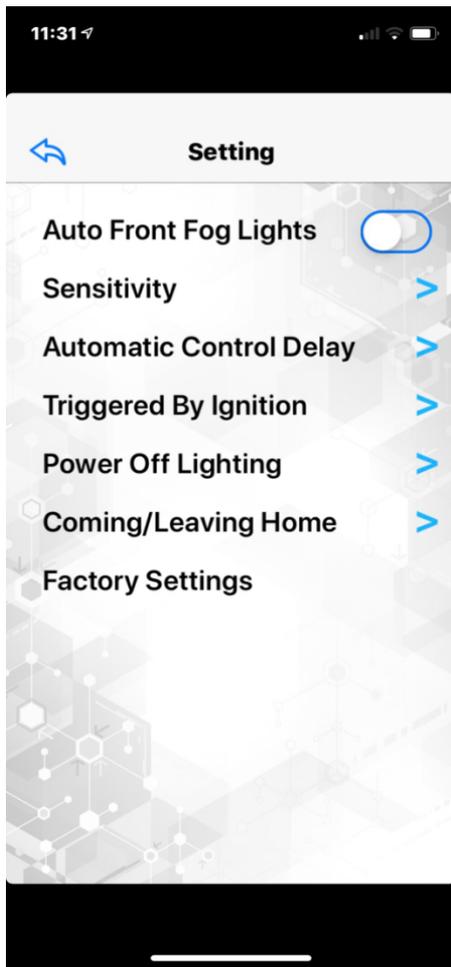
Switch the ignition ON and set the new headlight switch to “Auto” (i.e. sidelights)

It only tries to pair for a few seconds so if it fails to connect switch off and switch to Auto again.

Hit “Scan” and when it says that it has found the switch click on Connect. It will ask you for a code, just enter 123456 and it will pair. Be quick or it might timeout again. (In which case you just repeat the process.)



The main menu appears, click on Setting and you will get the following options



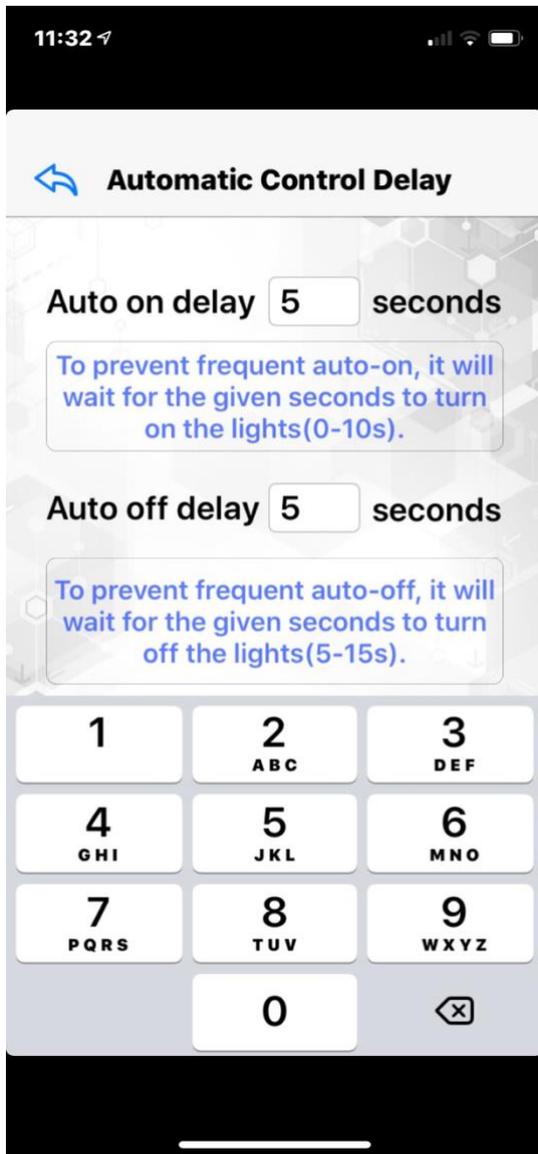
Auto Front Fog Lights makes them come on but depending on your preference they should normally be set off, but have a play!

Sensitivity is the main one, that sets the trigger level for when it starts to get dark. I like mine to come on early rather than late so I have used the following settings (the top one in green is the CURRENT Brightness that the sensor is measuring) Play with the settings but this is a starting point.

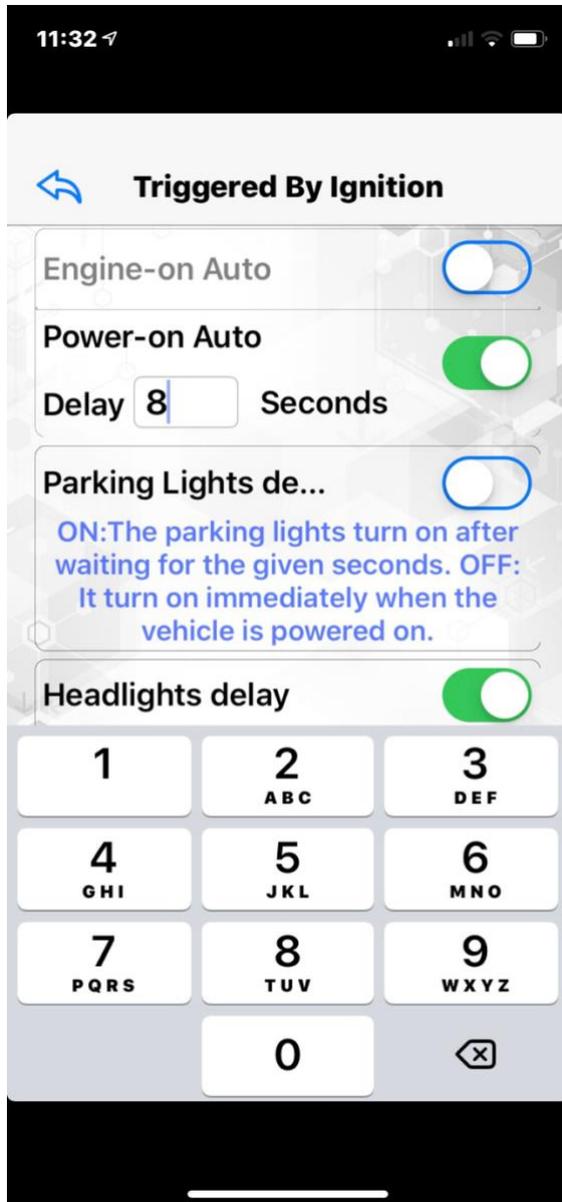


Automatic Control Delay – This one is actually the most important one (in my view) In previous Auto Headlight versions the headlights came on even if you just went under a flyover in the daylight. The delay here means that it will wait X seconds before switching the headlights on or off. This stops cars in front thinking that you are flashing them and that can lead to road rage!!!!

I use the following settings but again, have a play



Triggered By Ignition – Basically does what it says. It can help reduce current draw when starting but our little A2s seem to start very quickly so it might not make much difference, but if yours cranks a bit before starting you might prefer to have it kick in with the engine (but the start process on an A2 cuts the headlights when starting anyway, but have a play



Power off lighting and Coming Home Leaving home settings are again, up to you, you might want a long or short delay depending on how dark and long your driveway is !!!!!

On the main menu there is a Itester option in which you can manually trigger various light combinations via the app just to check. Great fun !!

You might also want to check for a firmware update but do this before making any setting or you might lose those settings.

THERE YOU GO !!!!!

All you have to do now is wait for dark and try it out. You can cover the sensor to try that but it does tend to still see some of the light.

Have FUN

Steve B