

# **travelvolts**

## **LED disc light kits**

*Before starting to install this kit find the relevant instructions below and read them thoroughly.*

The milled aluminium light is opened by screw thread anti clockwise.  
Drill a 1cm hole to pass the wiring through and screw the mount to the ceiling board using the supplied screws. Be sure to position the mount on the outer edge of the hole so that the cable is not stressed when in final position.

Flush mount lights require a 60 mm hole.

Plug lights into 6 way connector block .

Run the twin core wire from the connector block to where you want to mount the switch. For round rocker switch drill a 20 mm hole to mount the switch. For pump/light switch mount according to socket kit instructions.

### **Warm light set (including flush mount).**

Run the red/black cable to where you want to mount your switch. Split the cable with a sharp knife and cut the red wire only at this point and crimp on the small spade connectors.  
Run the remaining cable to your leisure battery. Cut the red wire and crimp on some red spade connectors. Fit the supplied fuse holder or fuse box. Crimp on red ring terminal to black wire and connect to earth stud.

### **Door switching option without dimmer.**

Fit your lights and plug them into the 6 way connector block. Take the black 3 pin plug from a redundant interior light and push the short red blade connectors into the plug, matching the colours. Secure the relay to a flat surface with the double sided tape attached to the relay.

Run the unterminated three wire loom to where you want to mount your switch. Cut to required length and fit a supplied red spade connector to each wire. Fit the switch and connect the wires to the pins as follows: Black to centre pin. Brown/white and brown to the two outer pins.

In the centre position the lights are off. In position one they are on. In position two they are on when door is open. If this is back to front swap brown and brown/white.

### **Door switching option with CBE dimmer.**

Fit your lights and plug them into the 6 way connector block. Plug the black 3 pin plug from a redundant interior light into the black 3 pin socket on the *travelvolts* wiring loom. Secure the relay to a flat surface with the double sided tape attached to the relay.

Run the unterminated three wire loom to where you want to mount your switch. Cut to required length and fit a supplied red spade connector to each wire. Fit the switch and connect the wires to the pins as follows: Black to centre pin. Brown/red and brown to the two outer pins.

In the centre position the lights are off. In position one they are on. In position two they are on when door is open. If this is back to front swap brown and brown/red.

Now run the red/black and brown wires to the dimmer switch. Cut all three cables to length. Connect red to terminal marked + and black to terminal marked out. Using the left over brown wire attach both browns to the centre terminal marked -. Run the remaining brown wire to an earth connection either at the battery or on the vehicle body using the supplied ring terminal..

**At this point the lights will be powered from the vehicles battery.**

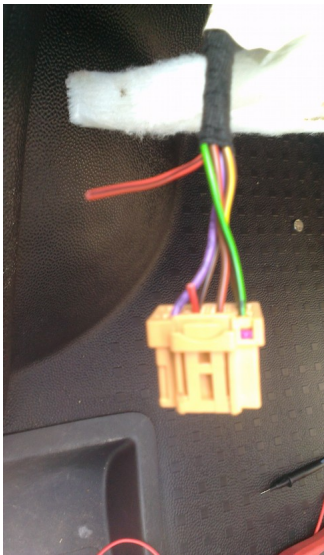
If you wish to change this use the extra fuse and length of red/black cable to convert the supply to the leisure battery following these instructions:

Begin by removing the lower dash panel on the passenger side and the centre lower panel under the gear stick.

Behind dash end panel on near side (RHD only) you will find a light brown connector block. Remove the plug and cut the red/black wire as in the photo. Connect new wire to the red/black in the loom and insulate the end from the plug.

Secure the new wire to the existing loom with a cable tie and run this wire to your leisure battery through the black plastic tunnel in the centre of the floor beneath the rubber mat.

Connect to the leisure battery + using the supplied fuse or to your fuse box.



These lights do not require regulation and can be used with dimmers, remote controls etc.

**Two way switching**

Use 2 x CBE MCD1N switches. Connect the centre pin of one switch to your fused + supply.

Connect the centre pin of second switch to lights +

Connect the outer pins on switch one to the outer pins of switch two using some 2 core cable.

Connect lights negative wire to ground or battery negative.

**CBE MCR wall mount dimmer.**

Run the 2 core cable to the MCR. Cut the red and the black. Connect the red from the lights to terminal 4. Connect the other red to terminal 6. Connect BOTH blacks to terminal 5 (as indicated in the CBE data sheet).

Run the remaining 2 core cable to the battery or fuse box and connect red to + and black to – using 3 amp fuse.

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