

HOW TO – INSTALL USB PORTS – DISCOVERY 3

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So I took the same Anker 5 port 12/24v adapter that my good friend Clive used for USB Charging when we did the Pyrenees in his G4. I've always got at least 2, often 3 devices needing to be charged, so this had to be a 'Must Have' for me!

Amazon link subject to change! Price seems to fluctuate between £11 and £20

http://www.amazon.co.uk/Anker-5-Port-Charger-PowerIQ-Technology/dp/B00OUK0N26/ref=sr_1_sc_1?ie=UTF8&qid=1434986616&sr=8-1-spell&keywords=Anker+5+port+USB+var



You just use a strong flat blade to press down where the shiny bit starts. Turn it over and make sure you do all the sides to separate them apart.



You can see that the whole board is just screwed in by 4 screws, so I'll get another one for the rear cubby and will do away with the case possibly. You could also solder wires to the Pos and Neg points on the back of the board to make the wires tidier by not coming out of the side.



I already had the non-smokers pack, so removed the little rubber tray. If you have the smoker pack, I'd suggest you buy the non smoker fitment and swap them out.



Measured it up to the hole as I wanted it to be as snug as possible.



You need to remove all of the edge ribs flat (flatter than when I took this pic)



Trial fitted again a little more to be shaved and as I wanted a tight fit, I rounded off the edges a little more.

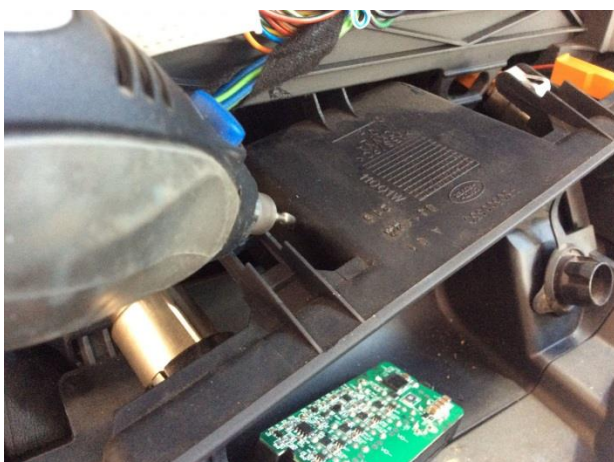


You remove the H trim by pulling up at the sides (which you should surely be aware of by now). I removed the HEVAC model (4 screws) to make access easier. You can then see the trim clips that hold all the tough little **CENSORED** bits in place.

Use a 'suitable tool' to lever the plastic out, you're unlikely to break it so a large screwdriver did the trick for me 😊



Unclip the connector for the 12v socket



I then used a dremmel to do a simple hole for the cable (cut the plug off the end of the cable)

You can feed the end of the cable through the back of the plastic and through to the 12v socket.

I decided that for speed (I had limited time to do it) I would just connect it to the 12v ignition switched live that fed the 12v socket. But I still wanted the socket to work.



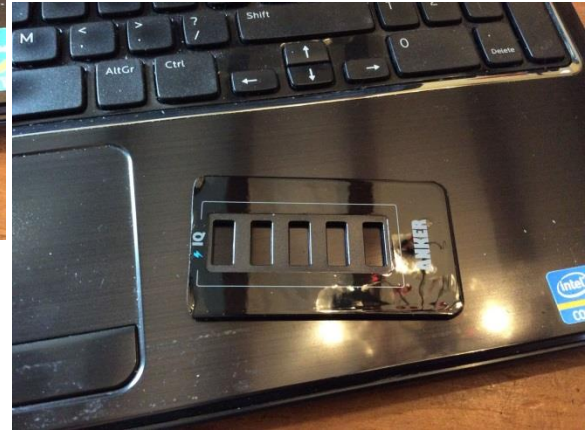
So I just used a couple of connectors and some spare wire for some extra tails to keep it all live together. This way, the USB socket is still fused.

Here it is in place, this is just friction fit, but it really isn't going anywhere. The coin tray tapers back so the further you push it back, the tighter it gets.





I trimmed off the front of the shiny casing and then dremmeled it flat.



I then gorilla glued it to the front, making sure all the USB ports were lined up



iPhone and iPad charging



So next, I'll use a double switched relay connected to an overhead on-off-on switch

- On1 will be to keep if switched to Ignition on main battery
- Off will be for when I just want to switch everything off
- On2 will be switched to Aux Battery power on permanently

I'll be getting another one to build into the boot of the car too. With such a prevalence of USB charged devices, it has to be one of the "Must Do" mods

Thanks for reading.

I am able to undertake the following Software updates and Modifications – Contact me if interested.

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Software Updates and Modifications - D4/RRS2010+

Timed Park Heating enable	Remote Control with Timed Park Heating
Fuel Burning Heater purge/test	4x4 Info Screen Enable
Fault Codes read	Gearbox reset/recalibration
Reverse follow me home lights	Reverse Camera Fit/Enable
DashCams fitted	Others

Software Updates and Modifications - D3/RRS-2009

Bluetooth phonebook updates	Bluetooth Phone PTI Retrofit
Reverse Follow me home lights	Three Flash Indicator enable
Clock on the dash	4x4 Info Screen enable
SatNavOnTheMove update	Fuel Burning Heater purge/test
Fault Codes read	Gearbox reset/recalibration
reverse follow me home lights	Remote FBH controller
Engine Re-Maps available	EGR Blanking
DashCams fitted	Dual Charge Battery Fitting