

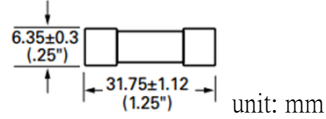
TB160 Vehicle Dock Hub FAQ

Q1. Should I use fuse between wire(s) and vehicle dock ?

A: No, the vehicle dock hub has a built-in fuse for protection.

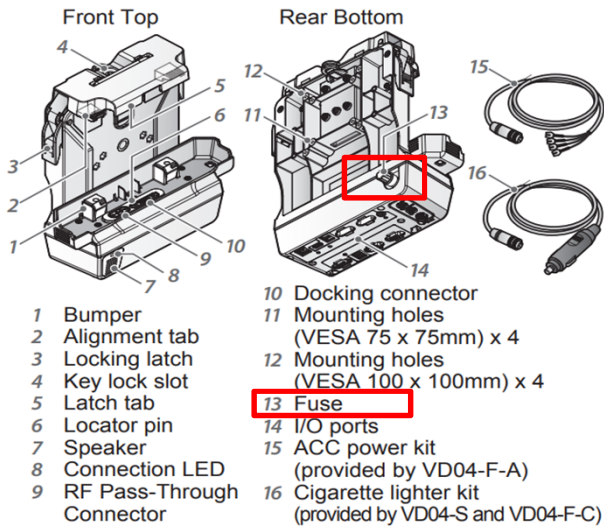
Q2. In Which line and what is spec. of suggested fuse ?

A: 20A, 250V, 3AG

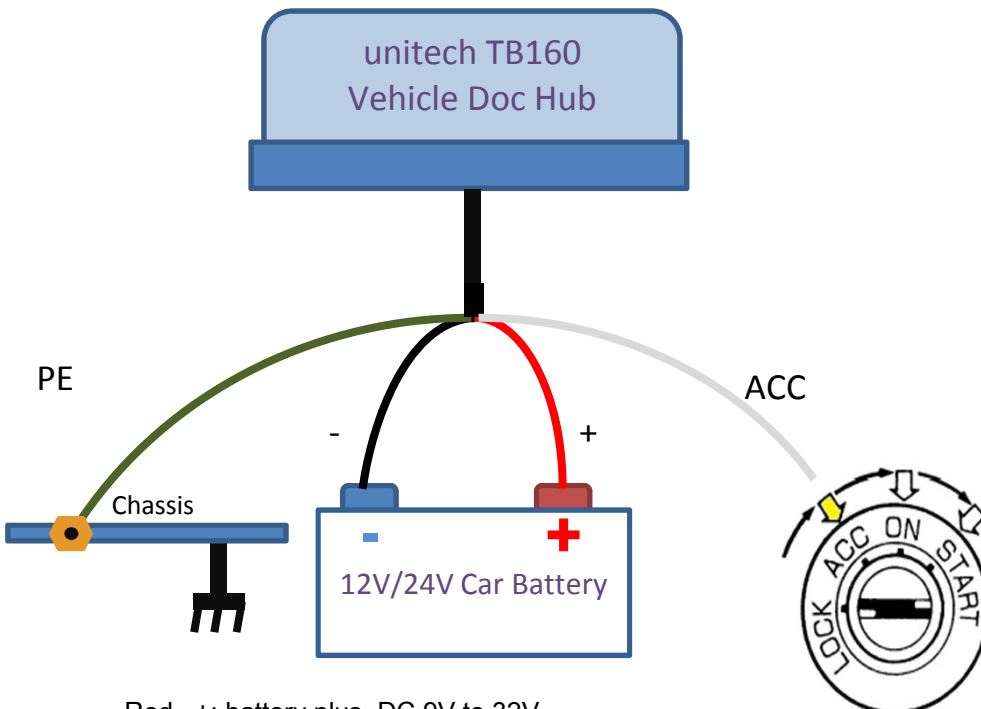


Q3. Is the vehicle dock fused by itself? where is the fuse located?

A: Please refer to figure below. Item 13.



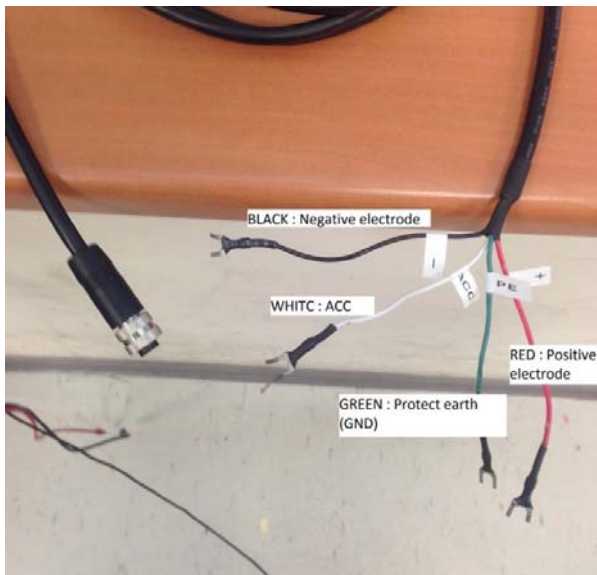
Q4. What is the wiring diagram of ACC power kit?



Red +: battery plus, DC 9V to 32V

Black -: battery minus

Green Protect Earth: attach to any screw in the car chassis to avoid voltage leakage.
 White ACC: accessories power on, DC 9V to 32V



Q5. What if I don't have ACC and PE for wiring?

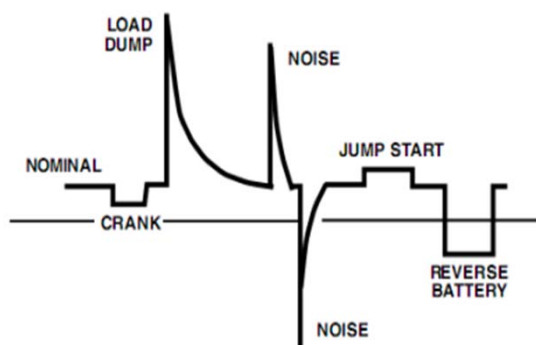
A: If connect the ACC wire with + which may drain out battery very quick, it is not good idea. we suggest connecting ACC with cigarette wire(usually deliver power after ignition); because the vehicle dock require ACC signal to trigger power ON.And wire PE to -. An alternative is to use cigarette lighter kit(16) directly.

Q6. What is the minimum voltage per line ?
 What is the maximum voltage per line ?

A. DC 9-32V input range

Q7. What is the minimum voltage per line, for White
 What is the maximum voltage per line, for White

A. The minimum of ACC is DC 6V for first 30 seconds in order to achieve cold cranking feature.



TYPICAL AUTOMOTIVE TRANSIENTS

Q8. Can voltage on white be higher/lower than Red ? there will be no damage ?

A: The ACC (white) voltage should be closed to + (Red) and both of them should fall between the DC 9 to 32V range.

Q9. What is purpose of ACC ?

A: Accessories power, usually a portion of devices are on when the key is turned to ACC.

Q10. What if PE (Green) is not connected ?

A: Please wire to battery - if no chassis ground can be attached in order to reduce the attenuation of PSU.

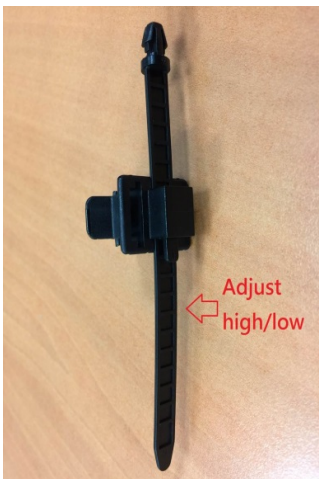
Q11. Power-on delayed timer

A. No built-in delay timer in vehicle dock hub.

Q12. VD04-F-A comes with a few clips and cable ties. How to use them?



A. Please refer to the figures below:

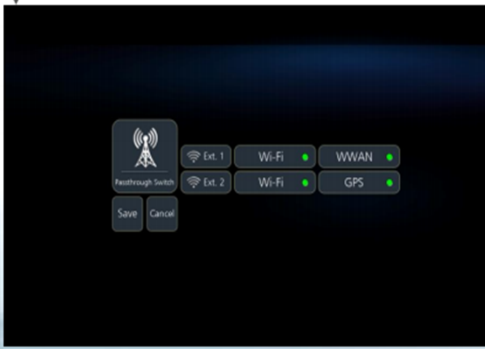




Q13. How to mount the vehicle dock on the vehicle.
Please use standard 75mm/100mm VESA mount for mounting.
For example: <https://www.rammount.com/part/RAM-316-HD-246>



- ▶ IP54
- ▶ Vibration resistant – C1
- ▶ Shock resistant – 75G
- ▶ Power: 9 to 32VDC input, 19VDC 1.57A output
- ▶ Support ignition (VD04-F)
- ▶ 75mm/100mm VESA bracket screw holes



- ▶ Flexible antenna pass-through
Setting with GUI
Choose either 2 of 3 functions
 - ▶ GPS
 - ▶ Wi-Fi
 - ▶ WWAN (3G or 4G LTE)



- ▶ Lock with pairing key
- ▶ D-ing design for adding 2nd lock



- ▶ Fuse for over current protection
- ▶ Easy swap fuse design