

iPhone Mirroring to SatNav and TPMS

This is how it did it for my V8V MY09:

Parts list:

Naviks 2006 - 2011 Aston Martin Vantage Navigation Video Interface (SKU: Aston-Martin-Vantage) from naviks.com; approximately \$ 250

Switch to RGBS



Naviks Wired Smartphone Mirror Interface (SKU: Wired-NSPMI) from naviks.com; approximately \$ 125

Switch to NTSC



Lightning to HDMI Adapter Cable, 6.6ft 1080P HDMI Video AV Cable Connector Conversion HDTV Adapter for iPhone,iPad,iPod (from Amazon; approximately \$ 15



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Steelmate TPMS TP-05E Tyre Pressure Monitoring System (from <http://www.steel-mate.co.uk>) approximately \$ 140



OBD Link MX Wi-Fi:

W-Lan OBD Dongle, Info:

<http://www.obdlink.com/mxwf/> (From Amazon) approximately \$ 100

Software I use: DashCMD, OBD Fusion, Harry's Laptimer



Miscellaneous:

2x chinch to chinch cable 0,25m high quality shielded (male-male)

0,5m 9pole sub-D extension cable

Stereo chinch to 3,5mm aux-plug cable (male-male)

1m Cat5 twisted pair cable (PC Network cable)

1pc 12Volt relay

Miscellaneous car cables, AMP automotive plugs and eyelets

Remarks:

- 1) It should be possible to set the OBD adapter to infrastructure mode, which should make it possible to use a wireless mirroring. Sounded nifty to me so I did try it but the adapter would not connect to the iPhone, therefore I went the wired route for the time being.
- 2) I tried the original Apple HDMI adapter but swapped it to the one on my part list as it was draining the iPhone battery at high speed (1,5h)

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Why I choose Naviks products:

- 1) I choose the wired solution (Naviks has a wireless interface as well) because I use an OBDLinkMX Bluetooth adapter to get car information's on the phone. Unfortunately, it is only possible for the phone to connect to ONE Wifi device only, that is the OBD adapter in my case.
- 2) I did quite a bit of research for iPhone mirroring systems, there are various systems on the market. Most of them did not provide sufficient information how the system is implemented, or I could not find installation instructions on their website. I quite like to know what I have to do (how is it installed, what connections do I need and are these relatively easy to access, is it possible without taking the whole car apart?) before I buy a product and that was not the case with other systems. The Naviks system was the only one where I could establish the installation and function before eventually wasting my money. After installing it I must say that it is a straight forward job and does what I need.

Installation:

Power supply: I pulled a cable from fuse 22 (boot fuse box) to a relay (connector 85) which I installed behind the battery, relay connector 86 connects to battery minus pole as well as all white color-coded strands of the Cat5 cable. Battery plus goes to relay connector 30, relay connector 87 connects to the plain color strands of the Cat5 cable. On the other end of the Cat5 cable I connected all devices, which I put in the compartment under the parcel shelf (First Aid kit moved in the boot).

Screen connection: In the boot on the left-hand side is the compartment with the Satnav DVD unit behind a flap. You have to unplug the most forward situated cable on the back of the unit. This operation secured my going to hell because of my blasphemous swearing. I cannot tell you the best way to do it, suddenly I managed to have it unplugged with all my carefully pressing the lock tab and wiggling. When you have mastered this challenge, the rest is easy - relatively easy, just plug the supplied cable in the correct sockets. Then I pulled the 9pole Sub-D plug of the cable to the front and downwards to the parcel shelf (well this might be tricky, but it is doable). By using the extension cable, I connected the mirroring box.

Other cabling:

Dismantle the armrest put the cables and switch in any place you deem ok for you. Drill a hole in the bottom of your armrest box to connect the cable to the Aux port.

Connect the TPMS according to instructions, the video cable has to go to video port 2 of the interface.

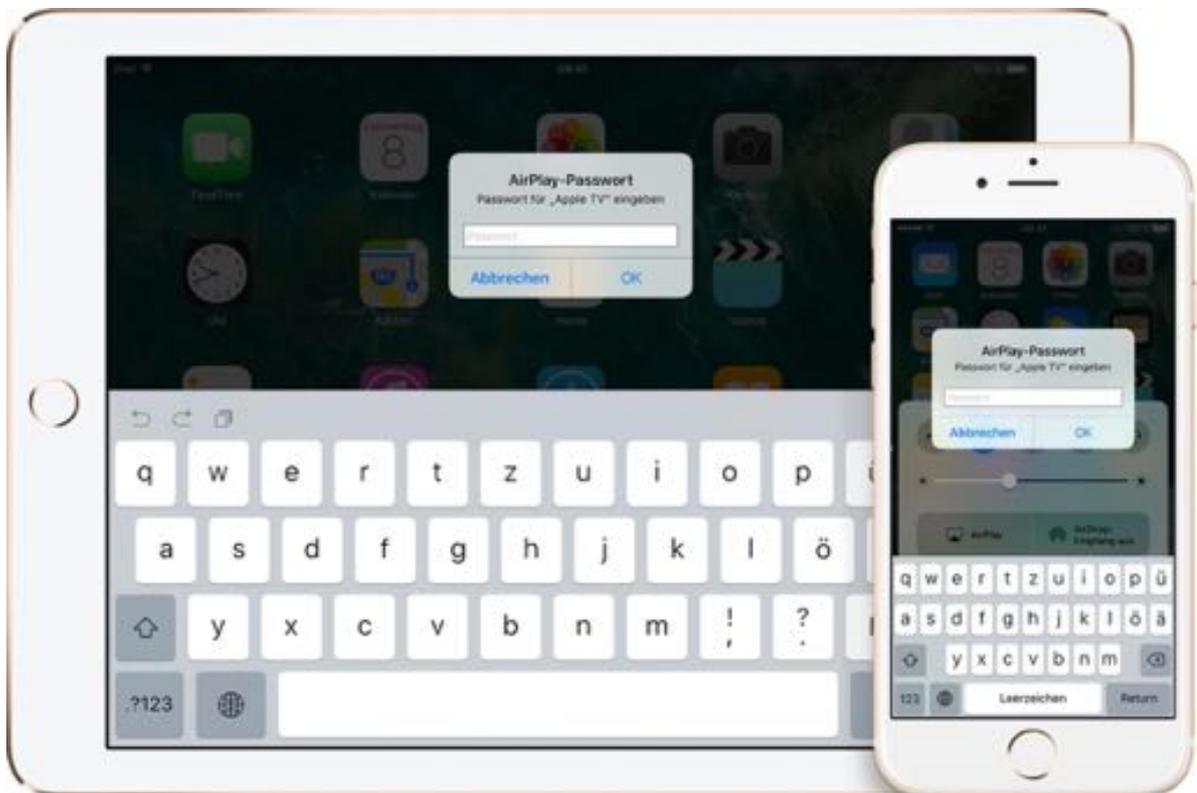
Now it is time to give it a test run. Assuming it all works you will have a big smile on your face and an aching back, I had :)

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iPhone Setting:

Here's how to mirror your entire iOS screen on your Apple TV:
(With the changes of the iOS versions might be outdated, but it will be similar).

1. If using Wi-Fi connect to the same Wi-Fi network on your iOS device and the device that you want to AirPlay to.
2. On your iOS device, swipe up from the bottom of your screen to open Control Centre.
3. In Control centre, tap  AirPlay to Apple TV icon AirPlay Mirroring, then select your Apple TV from the list. If an AirPlay passcode appears on your TV screen, enter the passcode on your iOS device. "



Your TV uses your iOS device's screen orientation and aspect ratio. To fill your TV screen with the mirrored iOS device screen, change your TV's aspect ratio or zoom settings.