DroiDash-K & WiFi Interface

DroiDash-K is a Dashboard App for Android. It displays ECU and Sensor Data in realtime. To connect to the ECU you need our WiFi-Interface.

DNE

System Requirements: Android Device with WiFi Interface running Android 4.0 + Doctronic.at ProECU-K WiFi-Interface



Connection to the ECU

Connect the WiFi Interface to the ECUs or Expansion Boxs Expansion Port.



Expansion Port

Setup Android Device

The WiFi Interface communicates with the Android Device by Wireless Lan. Beside of just finding the WiFi Interface (it acts as Host) it's necessary to set the communication parameter exactly to make the communication work.

2012

Open Settings -> WLAN -> Scan for Networks

The Network "ProECU-K WiFi" should be found.

If not, please check the ECU is powered on and on the WiFi Interface is lit or blinking.

When ask for the **Password**, enter "12345678" to connect to the Network.

Now change the setting of the Network "ProECU-K WiFi" by Click and Hold on its line.

You should be asking to modify the Network Configuration.

The Network Configuration is now shown on the screen. If the "show advanced Options" isn't checked, check it now.

Set the IP Settings to "Static", the IP Address to "10.10.100.100", Gateway to "10.10.100.254", Network prefix length to "24" and DNS 1 to "10.10.100.254"

Probably the settings are already correct except for IP Settings "Static" and the IP Address could be different.

ProECU-K WiFi	
Status Connected	
Signal strength Excellent	
Link speed 72Mbps	
Security WPA2 PSK	
IP address 10.10.100.100	
Password	
. <u>[[unenangeu]</u>	
Show password	
Show advanced options	
Proxy settings None	
IP settings	
Static	
IP address	
10.10.100.100	
Gateway	
10.10.100.254	
Network prefix length	
24	
DNS 1	
10.10.100.254	
DNS 2	
4.4.4.4	
Cancel	Save

DroiDash-K & WiFi Interface

Now start the DroiDash-K App and go the Setup page.

🗸 ок		imes Cancel
Rotate Screen	OFF	
Redline:	8500	
Shiftlight RPM:	5200	
Shiftlight Stepwidth:	200	
IP Address Interface	10.10.100.254	
Port Interface	8899	
Additional ADs AD1	Name: OilT	
		0.37
	ব)) 🧐 🔄 🚺	0.37

PROE

The IP Address of the Interface and the Port Number of the Interface have to match the settings in the WiFi Interface. The default values are already set to the default values set in the WiFi Interface when delivered.

Its absolute necessary to set all the parameters to the here given value, otherwise the communication can not established.

WiFi Interface Settings (only for advanced Users)

You can change the network setting of the WiFi Interface, too. It's only recommended to do this when you really have a good knowledge of Network Technology, WiFi, TCP/IP. If you change parameters it's possible that you cannot access the ECU or WiFi Interface anymore. Than you need to send it in to reset to the default values.

BUDE

To connect to the WiFi Interface open the IP Address of the Interface (default 10.10.100.254) in a browser.

The default Username is "Admin" and default Password "Admin".

Windows Securit	у 💌
The server 10.1 server reports	.0.100.254 is asking for your user name and password. The that it is from A11.
Warning: Your authentication	user name and password will be sent using basic on a connection that isn't secure.
	admin ••••• Remember my credentials
	OK Cancel

Please only change the **green** marked values and leave the other alone. The other parameters are set to make the hardware work probably.

Mode Selection	AP Interface Setting	
<u>AP Interface Setting</u> STA Interface Setting	AP Interface Setting such as SSID, Security	
- Diritine orthog	Wireless Network	
Application Setting	Network Mode 11b/g/n_mix	ed mode 🗸
Device Management	Network Name(SSID) ProECU-K Wil	Fi Hodden 🗆
	BSSID D8.50.40/F40	6.00
	Frequency (Channel) AutoSelect	~
	Wireless Distribution System(WDS) WDS Config	uration
	ProECU-K WiFi Security Mode	
	WPA WPA Algorithms	TKIPAES
	Pass Phrase	
	Apply Cance	1
	LAN Setup	
	LAN Setup IP Address(Default DHCP Gate ay) 10, 10, 100, 25	i4
	LAN Setup IP Address(Default DHCP Gate ay) 10. 10. 10. 25 Subnet Mask 255. 255.	0
	LAN Setup IP Address(Default DHCP Gate asy) [10, 10, 100, 20 Subnet Mask DHCP Type	0

DroiDash-K & WiFi Interface PROECU-



Mode Selection	Device Managem	ent	
AP Interface Setting			
STA Interface Setting	4.02.11.15 You may configure administrat	or account and password, load default set	ing or update firware.
Application Setting	Adminstrator Settings	\sim	
Device Management	Account	admin	
	Password	admin	
		Apply Cancel	
	Restart Module		
	Restart Module	Restart	
	Restart Module	Restart	
	Restart Module Load Factory Defaults Load Default Button	Restart Load Default	
	Restart Module Load Factory Defaults Load Default Button Update Firmware	Restart Load Default	
	Restart Module Load Factory Defaults Load Default Button Update Firmware Location:	Restart Load Default	wse