

### **TECHConnect:** Manual



## **Description:**

TECHConnect is a communication module for TECH drivers by LPGTECH. It uses the 2.4 GHz band wireless network Wi-Fi for communication.

This communication module currently supports MyGAS application, available for Iphone devices (4s, 5, 5s, 6, 6 plus, 6s, 6s plus) by Apple. The application is available free of charge at AppStore.

Connect TECHConnect to the diagnostic interface of TECH like other communication interfaces (BlueTECH, OptoTECH).

#### The TECHConnect module offers two connection types:

- connection to the module as to an access point (the access limit is the no Internet connection);
- connection through an access point (no limit as to the Internet connection).

## **Iphone device configuration:**

On the main screen, find the "Settings" ("Ustawienia") icon (Fig. 1) Choose the "Wi-Fi" position (Fig. 2).



After a proper connection of the module to the diagnostic interface, the "TECHConnect" network should appear on the networks list (Fig. 3).

To connect with the module, choose this network (Fig. 4).



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Settings	Wi-Fi	
Wi-Fi		
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CHOOSE A NETWORK	ND2	
TECHConnect		<b>∻</b> (i)
Other		
Ask to Join Networ	'ks	$\bigcirc$
Known networks will be networks are available, y network.	joined automatically. If no	known elect a
	Fig. 3	

# First connection mode:

Find and launch the "MyGas" application (Fig. 5). After a moment, the connection status at the bottom of the screen will switch from "No connection" to "Connected" (Fig.6).

From this point, the application reads the information from the gas driver, which may be checked using the "Parameter readings" (Fig. 5) or "Oscilloscopes" options.

•• •• 0 Orange 🗢 12:03 ••	•••••• Orange * 11:54	-7 + LPG	••••• Orange ຈ 11:54 د MycAS	T 💽 t PB 💽 LPG	
FaceTime Calculator Podcasts Watch			Parameters		
	Parameters	>	Engine speed	1790	
			Engine load	24 [%]	
Extras Find Friends Find iPhone MyGAS			MAP	0.48 [bar]	
			Gas pressure	2.10 [bar]	
	Find a nearest garage		Reducer temperature	<b>39</b> [°C]	
			Gas temperature	<b>59</b> [°C]	
	Firmware	>	Lambda sensor	3.58 [V]	
			Gas level	<b>3.84</b> [V]	
	Switch control panel mode		Battery	<b>12.77</b> [V]	
in the second			Injection tir	ne	
a state of the state	Interface settings		P1 <b>12.87</b>	G1 <b>9.90</b>	
A Service China State	Interface settings		P2 <b>12.86</b>	G2 9.90	
a Martin and the second			P3 <b>12.85</b>	G3 <b>9.80</b>	
			P4 <b>12.88</b>	G4 <b>9.90</b>	
Phone Mail Safari Music	Connected		Connected		
 Fig. 5	Fig. 6		Fig. 7		



# Second connection mode:

### It is recommended to use the second connection mode due to following two factors:

- access to Internet data while connected to the module
- faster connection to the module after the configuration

The second mode of connection to TECHConnect consists in configurating the module in the way that would ensure connection to another network. For this purpose, clear the "Settings" menu and choose the "Personal Hotspot" option (Fig. 8). Save the name of the network (in this case "Iphone") and the Wi-Fi password (in this case "Hotspotpassword").

Connect to the TECHConnect network like in the first connection option and launch the MyGas application. Choose "Interface options". Complete the "Connect to:" field with the name of the network, in this case enter iPhone, and the "Password:", here "HotSpotpassword" (enter the password set in the Personal Hotspot menu). After the data has been completed, click on the "Save changes" button. From this point, the TECHConnect module will start connecting to the "iPhone" network, password: "HotSpotpassword" (Fig. 9).

		Settings Personal Hotspot	
	Interface settings		
Personal Hotspot	Interface TECHConnect	Personal Hotspot	
connection. Additional usage charges may apply. Other devices signed in to your iCloud account will be able to use Personal	Firmware 1.0.0	Now Discoverable. Other users can look for your shared network using Wi-Fi under the name "iPhone".	
Hotspot without having to turn it on manually.	Up time 1 h 18 m 12 s		
Wi-Fi Password hotspotPassword >	IP address 192.168.4.1	Wi-Fi Password hotspotPassword	
	Network connection		
TO CONNECT USING WI-FI 1 Choose "iPhone" from the Wi-Fi settings on your	Network SSID TECHConnect	TO CONNECT USING WI-FI 1 Choose "iPhone" from the Wi-Fi settings on your	
computer or other device. 2 Enter the password when prompted.	Connect with iPhone	computer or other device. 2 Enter the password when prompted.	
TO CONNECT USING BLUETOOTH 1 Pair iPhone with your computer.	Password hotspotPassword	TO CONNECT USING BLUETOOTH	
2 On iPhone, tap Pair or enter the code displayed on	Refresh Save changes	1 Pair iPhone with your computer. 2 On iPhone, tap Pair or enter the code displayed of	
your computer. 3 Connect to iPhone from computer.	spotPassword"	your computer. 3 Connect to iPhone from computer.	
TO CONNECT USING USB	qwertyuiop	TO CONNECT USING USB	
TO CONNECT USING USB     1 Plug iPhone into your computer.     2 Choose iPhone from the list of network services in		1 Plug iPhone into your computer.     2 Choose iPhone from the list of network services	
your settings.	asdfghjkl	your settings.	
	☆ z x c v b n m ⊗		
	123 🌐 👰 space return		
Fig. 8	Fig. 9	Fig. 10	

Next go to Settings -> Personal Hotspot and turn on the switch beside "Personal Hotspot". From this point, the Iphone switches to the Hotspot mode and starts to publish its name on the network.

After a while, a bar will appear at the top of the screen with a message about the number of devices connected to our hotspot. "Personal Hotspot: 1 connection" means that one TECH Connect module is connected to the created hotspot (Fig. 10).

#### After the configuration has been completed, the following actions should be performed in order to connect to the TECH Controller:

- connect the TECHConnect module to the diagnostic interface of the gas installations
- launch the personal hotspot (if it has been turned off)
- launch the MyGAS application



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The module will be automatically connected to the available hotspot (Fig. 11, 12)

Orange 3G 12:08     Personal Hotspot: 1 Conr	nection				
< My©AS	PB PB LPG				
Oscilloscopes					
Engine speed	1290				
Engine load	12 [%]				
Reducer temperature	37 [°C]				
MAP	0.34 [bar]				
Gas pressure	2.19 [bar]				
Petrol injection time	8.67 [ms]				
Connected					
Fig. 11					

●●○○○ Orange 3	G 13:33 Personal Hotspot: 1 C	onnection		
< <b>M</b>	y <mark>q</mark> AS	PB PB LPG		
	Parameter	rs		
Engine sp	4100			
Engine loa	5 [%]			
MAP	0.25 [bar]			
Gas press	2.19 [bar]			
Reducer to	<b>38</b> [°C]			
Gas temp	<b>59</b> [°C]			
Lambda s	<b>3.58</b> [V]			
Gas level	<b>3.98</b> [V]			
Battery		<b>12.73</b> [V]		
	Injection tin	ne		
P1	8.65	G1 <b>7.30</b>		
P2	8.66	G2 7.30		
Р3	8.64	G3 <b>7.30</b>		
P4	8.64	G4 <b>7.30</b>		
Connected				
	Fig. 12	2		