

## BACKGROUND

Internet is everywhere. Even onboard many cars. Remote features give an opportunity for experienced people to help others in car's diagnostics and programming area. You can support your customers around the world, offer remote programming and more. Enthusiasts can help each other with common problems, tips & tricks etc.

## SOFTWARE

VCP Remote Client ("VRC") is an Android (minimum API16, so Android 4.1 Jelly Bean) application, which connects wirelessly Bluetooth interface with remote VCP server. Special web application interacts with VCP server and provides GUI functions.

Current Remote Client (v0.5) supports ISO15765 CAN Protocol (aka UDS). UDS is fully implemented in newest Volkswagens / Audis etc based on MQB platform. Support for older TP2.0 protocol is in development.

VRC is transaction-based. It means, that Android App takes care on all protocol functions and has all high-level diagnostic functions implemented. Communication between VRC and server is independent to communication between VRC and car. Server just asks for final data (for example complete ECU's identification) and all work is done by a VRC itself.

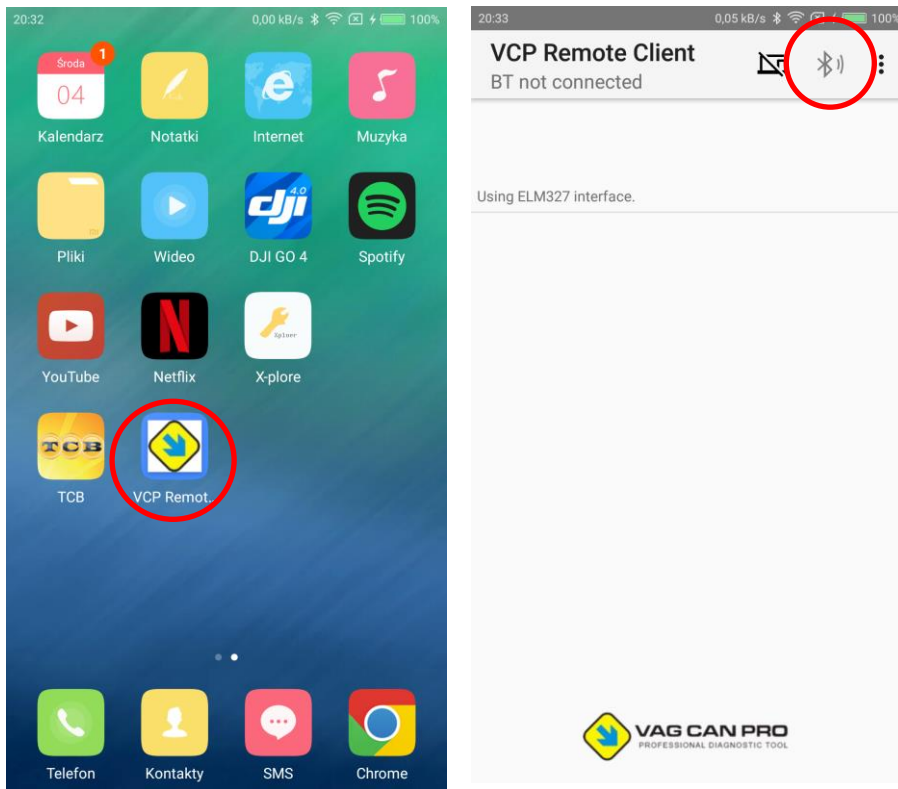
## HARDWARE

VRC is designed to work with ELM327 v2.1 with Bluetooth and new VCP-Bluetooth interfaces. Note: many cloned ELM327s do not support important functions, are unstable, drop CAN frames etc. Sometimes reported version 2.1 is not a 2.1 at all. Using **GENUINE** ELM327 v2.1 is crucial for correct operation.

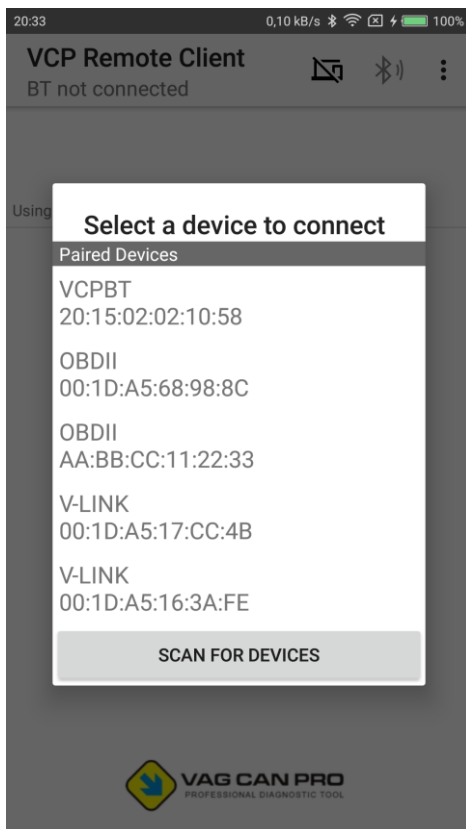
Of course you can test any ELM327 BT interface available on market. We found, that V-LINK iCAR3/4 interfaces working close to the original ELM327, some functions however, are still not implemented correctly (like NRC78 processing)

## HOW TO WORK WITH VRC ?

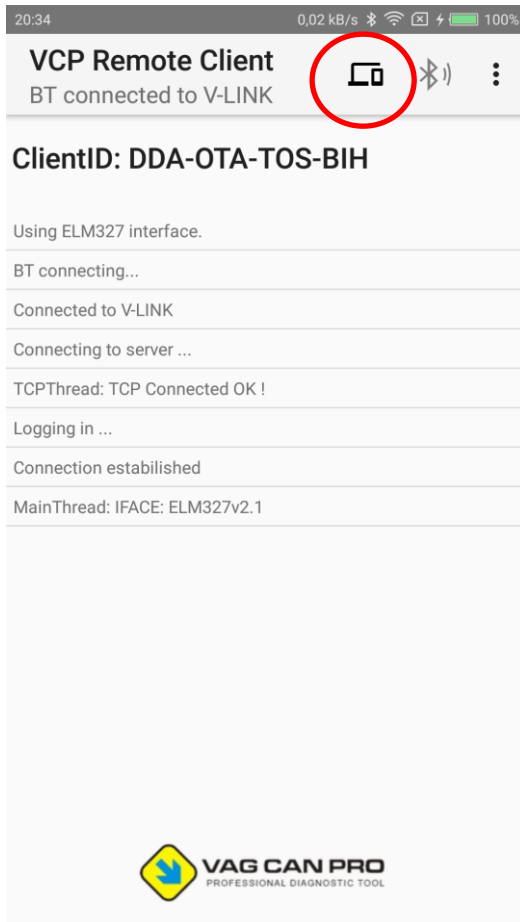
1. Download app. Link to current version will be posted on <http://blog.vag-tech.com>
2. Install application on your Android device. Note: "allow install from unknown sources" has to be turned on currently.
3. Pair your device with your ELM327 / VCP-BT interface.
4. Run the app



5. Click on Bluetooth icon, and select your paired interface for connection.



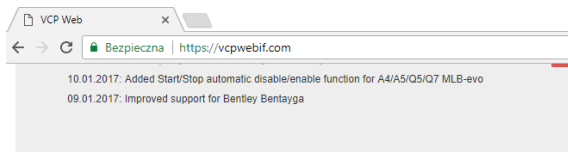
6. Click on "Server" icon to connect to VCP-Server



7. Once connection is established, you'll get your ClientID, a string, which identifies your client. Give this ID to your remote partner.

## HOW TO WORK WITH VRC REMOTELY ?

1. Point your web-browser to <https://vcpwebif.com> . You can use any HTML5 capable browser, even on your smartphone.
2. Login using your login and password



### What is this Web-App for ?

A very simple web interface for remote diagnose of MLB-evo cars. You will be able to read / write interna codings etc.

### Which cars are supported ?

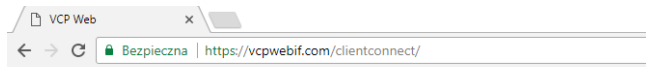
Cars built on MLB-evo platform. This is newest technology base for Audi and future luxury VW cars. Curr 8W, Audi A5 8W, Audi Q5 FY0

### Do I need any hardware ?

Yes, you need an ENET cable, which will wire your car to ethernet port in your PC  
Some connection hints you can find in VCP DoIP documentation: <http://www.vag-tech.com/vagcanpro/pc>  
You can buy a cable in our shop - <http://www.vag-tech.com/buy.html>  
... or built it by yourself. Schematic : <http://www.vag-tech.com/vagcanpro/img/enet-cable.jpg>

### Is it safe ?

We are a manufacturer of VCP diagnostics software, a brand which is well-known in many professional re (Diagnostic Over IP) routines are the same in client and fully-featured VCP  
However, You will get an access to adaptation records. You have to know what you doing.



## VCP WebIf Interface for remote DoIP clients

version 0.91

**What to do now ?** Please enter ClientID received from your partner running DoIP client

### Connect to Client:

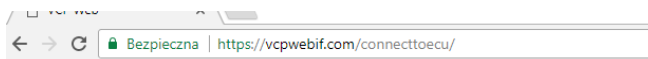
Clientid:

(c) www.vag-tech.com  
Visit us at <http://www.vag-tech.com>  
All news and updates at <http://blog.vag-tech.com>

### Please log in:

Username:  Password:

- Put a clientID received from your partner:
- Now you can connect to ECU and start playing 😊



## VCP WebIf Interface for remote DoIP clients

version 0.91

ClientID : ddaotatosbih

**What to do now ?** Enter adressword to connect to remote ECU. Once connection is est:

### Initialize connection:

Addressword:

... or select common one from below:

ECU Name :

← → Bezpieczna | https://vcpwebif.com/maindiag/

VCP WebIf Simple interface for remote DoIP clients  
version 0.91

ClientID : dda0af05b2b1 Logout

ECU Data

Adressword	10
ECU PartNumber	5Q0919294B
ECU Name	J791 PARKHILFE 8K
Hardware PartNumber	5Q0919294A
Hardware Version	
Coding	000000000
Software version	0026
ODX ID	EV_EPHVA18AU3700000
ODX Version	002016

What to do now ? Select diagfunctions below

Select new ECU	Read ECU ID	Change Diag Session ▾
Code ECU	ECU Reset	
Read DTC	Clear DTC	
Write data by CID	Read Memory	

Have FUN !