

Droid Personal Flasher (DPF)



Connection to Android

Pre-Requisites:

DPF Interface uses the Android Accessory mode to connect to your mobile phone/tablet.

USB Accessory mode is supported from Android version 4.0

Please check your device user manual to be sure Accessory mode is supported natively, without any adapter cable.

Usually, if you connect your device with the same cable you use to connect the Phone with PC it will work.

Be sure to use only our black adapter cable connected to the DPF interface like in the above picture. If you try to use another one, maybe the accessory mode will not work.

Connection:

Connect the DPF interface to the OBD2 Port on the car, **the blue led will start blinking.**

Now you can connect your phone/tablet,

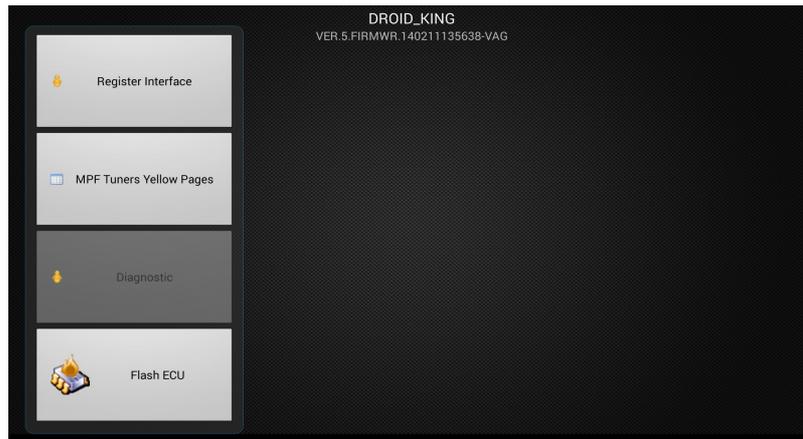
if the accessory mode works fine you will see on the Android notification area

🔌 Connected as a media device

and after 1 second another message that confirm the connection with accessory mode.

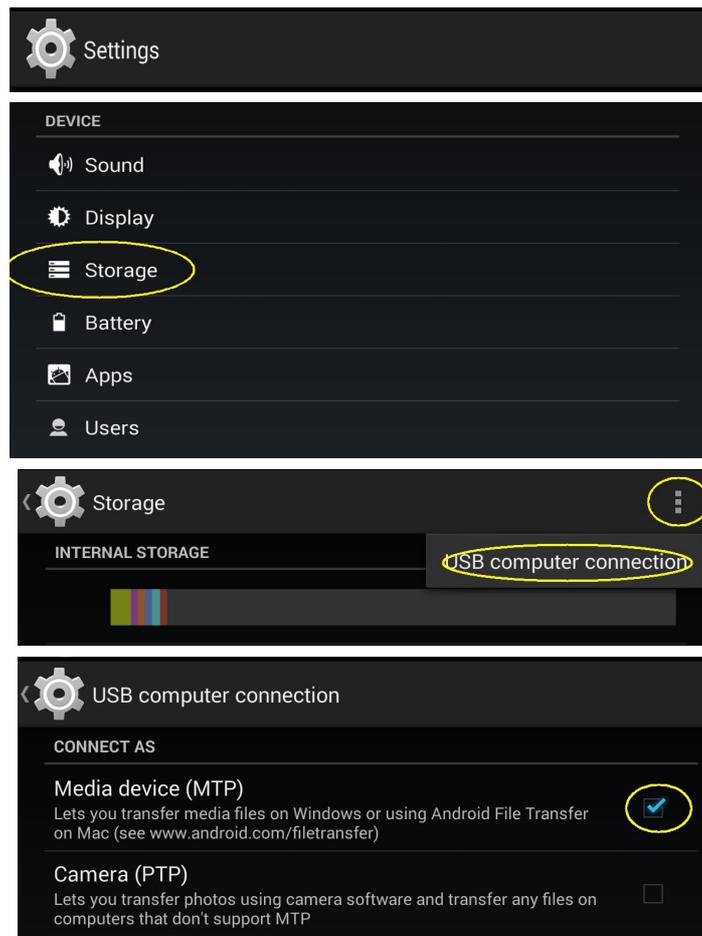
🔌 Connected to a USB accessory

As soon as connection is established, the Android application will start automatically showing interface info.



USB accessory mode support vary a lot from different Android versions and manufacturers, if you are using a custom firmware on your device be sure it supports accessory mode, because if support files are missing, there is no way to connect it successfully. However we tested some Cyanogen-mod CM11 custom firmwares and those work fine on our devices.

Some settings can affect USB accessory mode connection too:

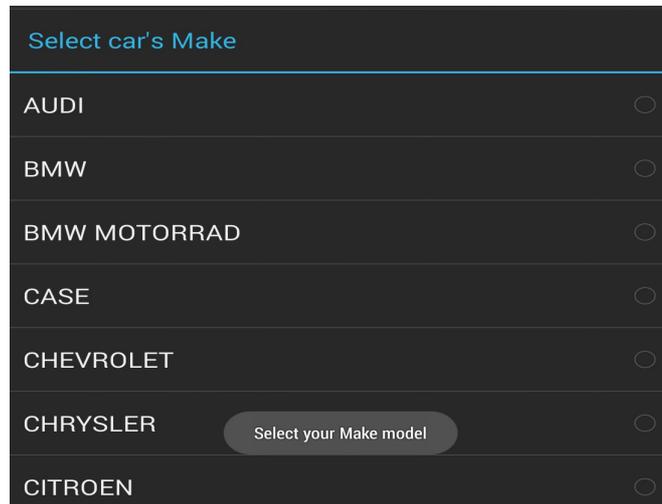


If you are a developer and your mobile have “USB Debugging” enabled on developer options, some phones/tablet don't enable accessory mode. In this case just turn it off from settings.

Droid Personal Flasher Use:

As soon as you managed the interface connection successfully, one of the first operations is to register the DPF and select the tuner who will provide you the tuned files (if the interface is branded the MPF Tuners yellow pages button will be unavailable).

As soon as you enter in the Flash ECU menu for the first time, the SW will ask you the car's Make, this is important since you should select the correct make of your car.



After the Make selection, the interface firmware will be updated in order to work with the car.

If you selected the wrong Make, just press back and enter again the flash ECU menu.

ID button will show the ECU info, calibration numbers and VIN.

At first use, the SW will identify the ECU model of your car, only if it's supported will link your interface to the car's VIN number

As soon as the Interface is initialized you will be allowed to press READ button.

For the first ID it's mandatory to have internet connection, the interface initialization and protocol selection are made on our internet servers.

READ button will read your ECU internal firmware/calibration data, it can take several minutes.

When reading is completed, the file will be uploaded automatically to your Tuner.

WRITE Button from 1 to 5 are the files you can write to the car.

The files are downloaded to your interface by the selected/branded Tuner, you will see the buttons enabled as soon as file is present and ready to be flashed.

You can flash the files only if the file calibration numbers match the one present on the ID button.

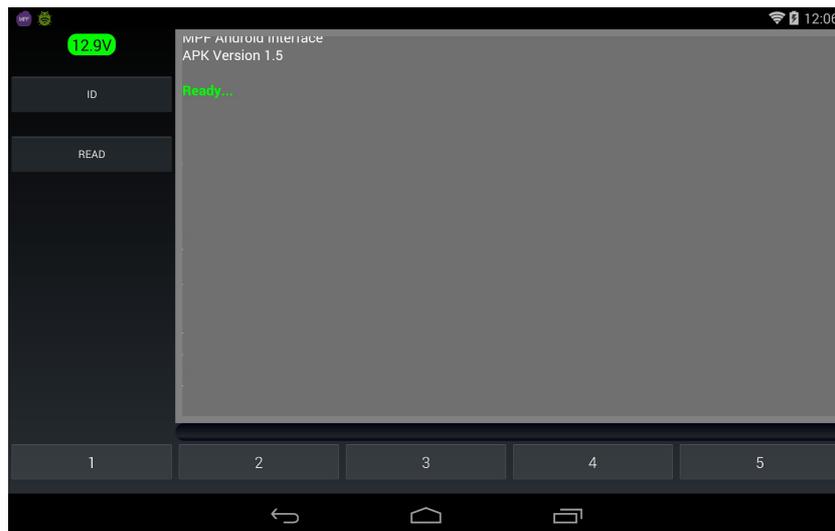
Dealer update

if your car is updated with a newer software number, the DroidPersonalFlasher doesn't allow to flash the old files, since they are incompatible with the ECU current software and will crash ECU.

It's mandatory to flash the original file to the car before the dealer update.

In this way the tuner is allowed to delete all the files with the old calibration numbers and you are allowed to read the new original file again.

If the tuner doesn't delete all the files with the old calibration numbers, you will not be allowed to read again the car after the update, and the only solution is to virgin the interface from tuner desktop.

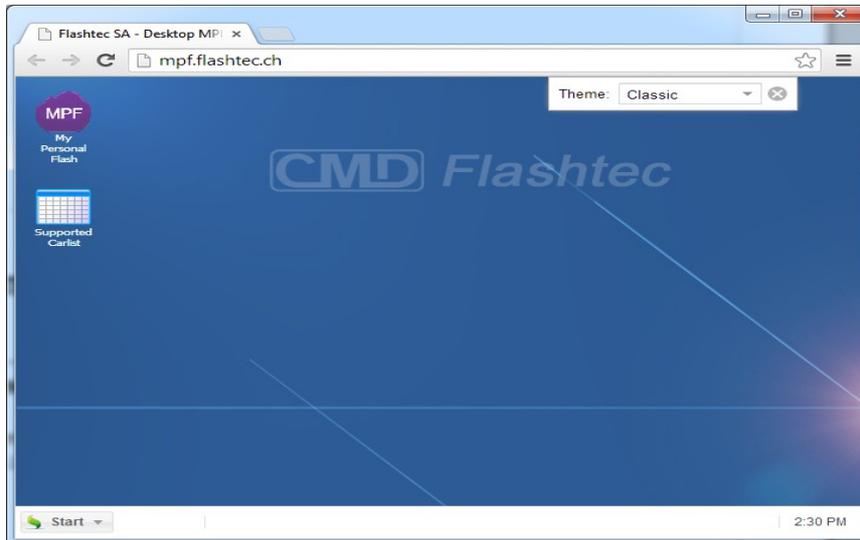


TUNER SIDE - BACKEND:

Reserved area for tuner is available here:

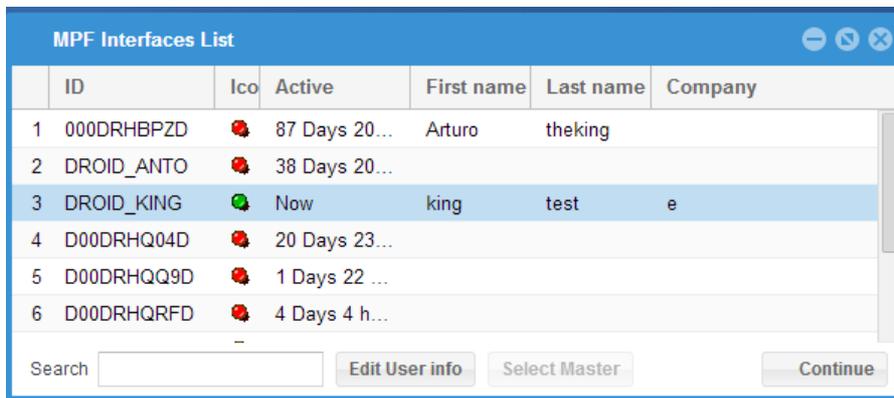
<https://mpf.flashtec.ch>

you can open the link with any HTML5 Web Browser, like chrome, IE10 or Firefox



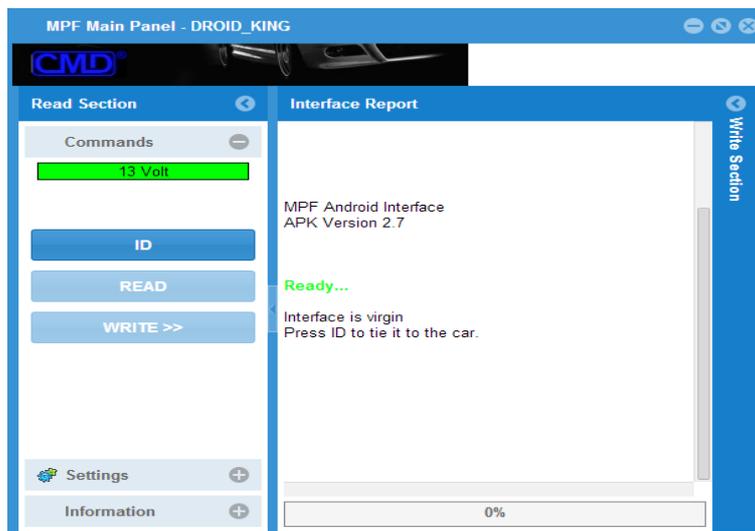
Press My Personal Flasher and log-in with your user name and password (the same used to access Flashtec reserved area)

the list of the linked MPF interfaces will appear

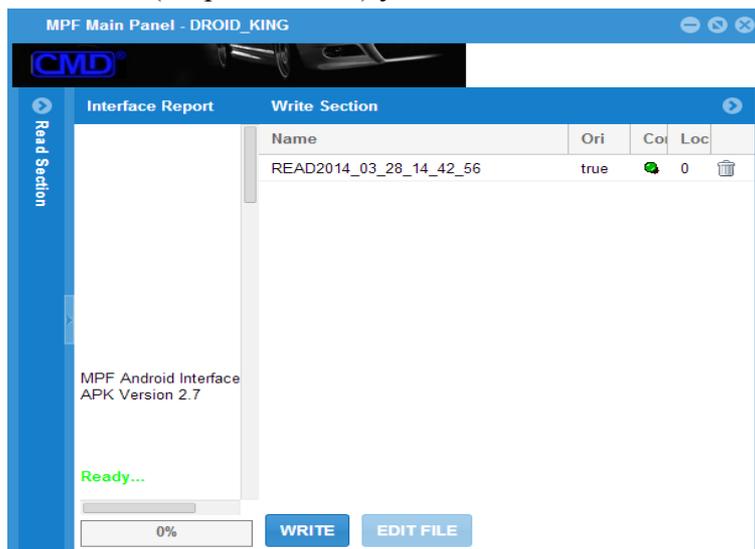
A screenshot of a window titled 'MPF Interfaces List'. It contains a table with columns for ID, Ico, Active, First name, Last name, and Company. The table lists six interfaces. The third interface, 'DROID_KING', is highlighted in blue and has a green dot in the 'Ico' column, indicating it is active. The other interfaces have red dots. Below the table, there is a search input field and three buttons: 'Edit User info', 'Select Master', and 'Continue'.

If you have a green dot the interface is active (or has been active in the last 5 minutes)
double-clicking on the interface will open the flash window

The Flash windows contain all the buttons used to remotely id/read or write the remote car pressing the buttons will execute commands on the remote side, log is listed in real-time on the web.



A car ID is mandatory to turn on all the buttons, so it should be the first operation. If you enlarge the write section (or press write) you will see the interface read files,



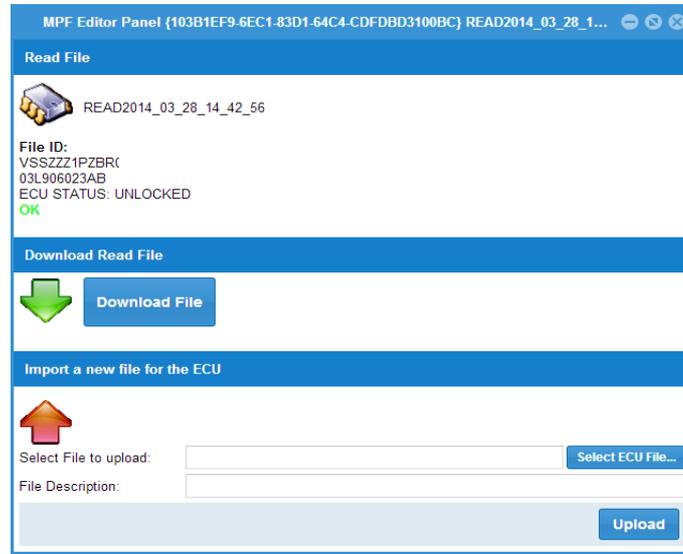
the original read file is always named READ with the date/time info.

The green dot icon means the file have the same VIN/Software ID of the connected car, so it's possible to write it.

If you move the mouse icon on the file name, you will got additional info about the file, like the Calibration numbers and VIN.

TUNED FILE:

To create a modified file, just hi-light the read file and press EDIT button



You will be able to download the read file in binary format, so you can open it in your editor without need to decompress/decrypt or similar.

The file you got from the web back-end it's compressed in zip format to save space, be sure to unzip it first to load in your editor.

Once you have your tuned file ready, you can use "Select ECU File" button to load it on the web, you can add a description for your file, this will be the filename shown on the remote device.

File is tested for compatibility with original read file, if files differ more than 15% you will be stopped.

Checksum is done automatically on our server.

You can create the 4 tuned files that will be assigned to the 2-5 buttons on the remote android interface.

Original read file remain on the button 1 of the remote application.

As soon as you load files online, those files will be downloaded on the remote device, and the write buttons on the android will be clickable.