

Magic Eraser

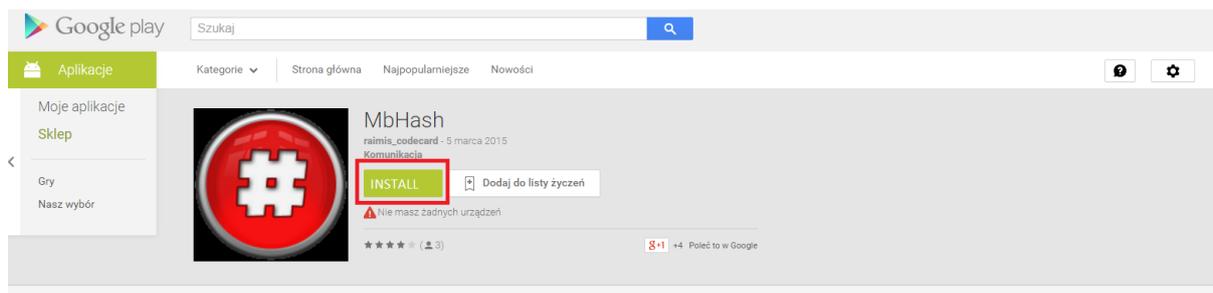
User manual.



Magic eraser – is set of hardware and software for resetting (RENEW) of Mercedes-Benz ESL/ELV, motor's ECU, gearbox ECU, selector ECU to factory (virgin) mode. The kit of Magic Eraser comes with Bluetooth OBDII adapter, universal connection cable, www.sonderhash.com account registration with 3 tokens included. The software application could be installed from Google Play Store. Works on Android version 4.1.0 and over: on tablet or smartphone with Bluetooth and Internet connection option.

1. Application setup. www.sonderhash.com registration.

Open Google Play Store and find MBHash application. When you see MBHash red icon choose INSTALL option. Setup process will take from 30 seconds to 2 minutes depending on Internet connection quality.



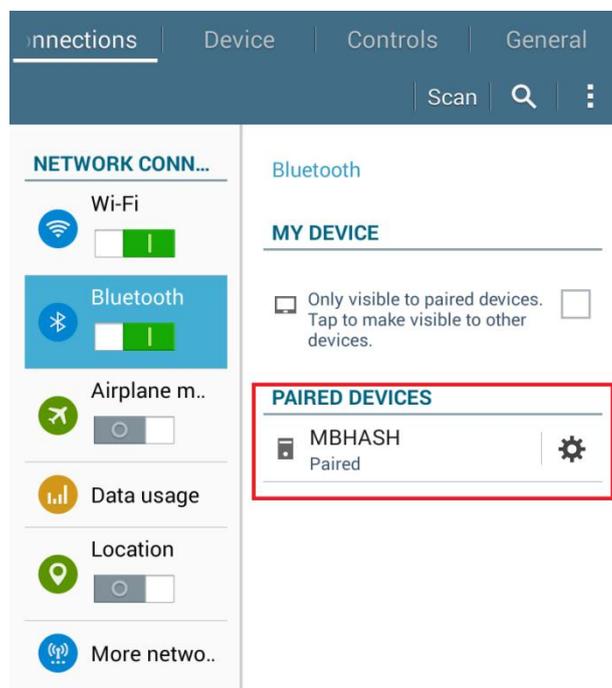
To create your account on server open www.sonderhash.com page in your browser and choose „Register Account” option. Provide your E-mail address and password. Press „Register” button. Your account will be activated within 24 hours. You get 3 tokens after account activation.

1.1 What is “token”?

Token is electronic counter been used when you work with MBHash application. For ex. reset of one ELV or one ECU will write off your account one token. You can buy additional tokens at any time – at price from 30 to 50 EU depending on ordered quantity.

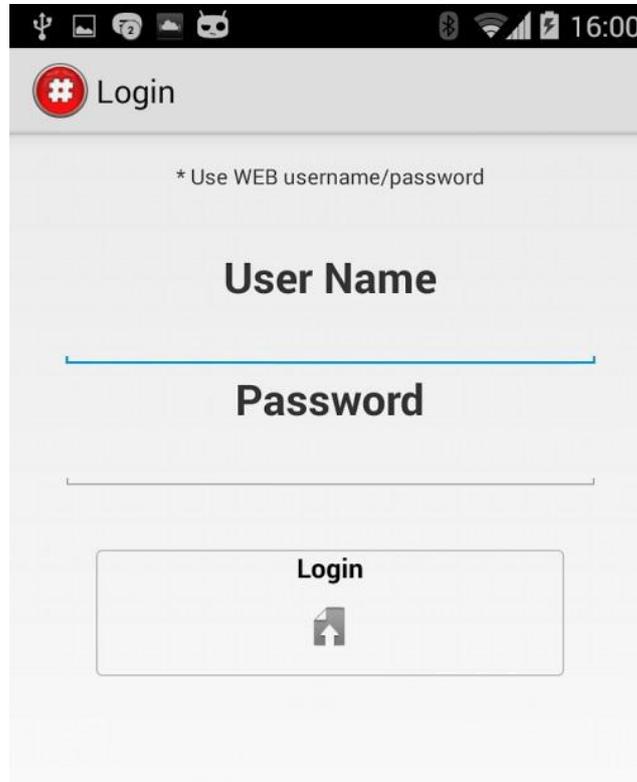
Before start of work.

Connect Magi Eraser OBDII adapter to universal cable and power it with 12 Volts using black (ПТВ) and red (+12 V) cables. Blue LED will start to blink on OBDII adapter – it means adapter is ready to pairing with other Bluetooth devices. Choose Bluetooth option in Setup of your Android device. Find „MBHASH” device in the list of devices. Tap it to pair. Confirmation PIN code is 1234. „Paired” status inform you about successfully sinchronization. Now set is ready to work.

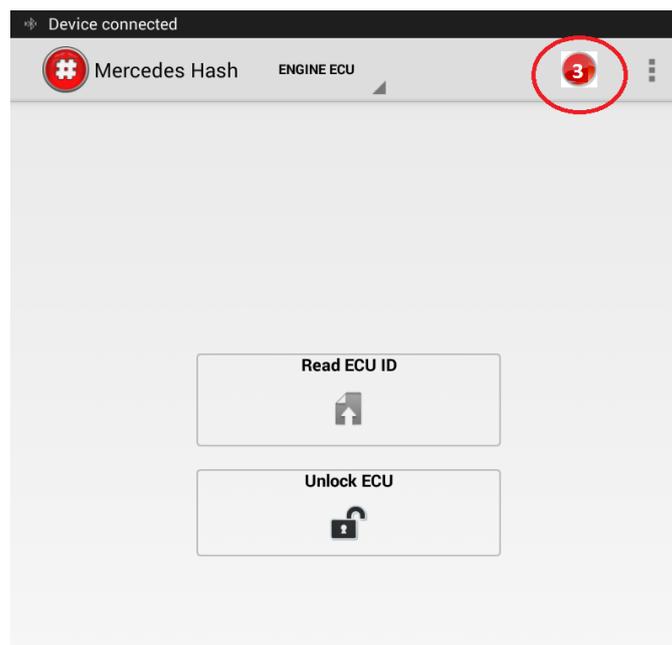


2. MBHash operation.

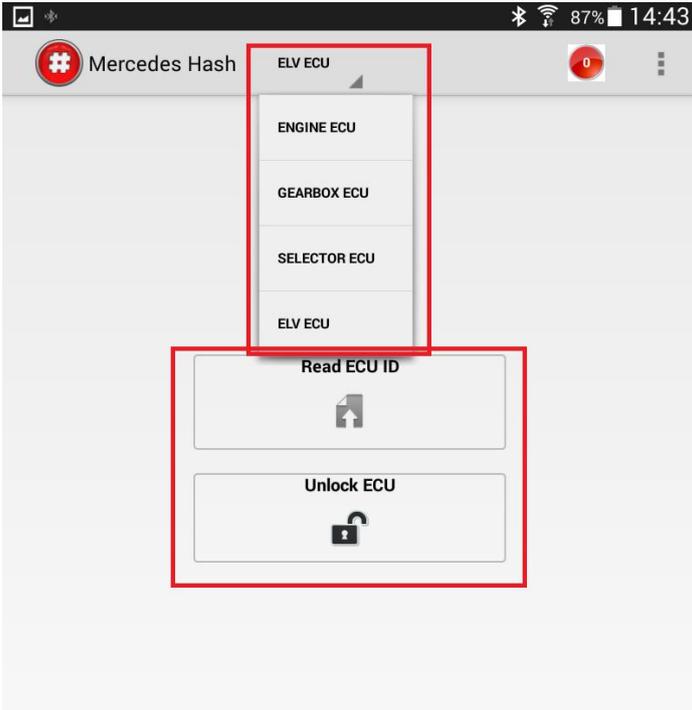
Run the application – tap MBHash red icon. Enter login and password – the same you used for sonderhash.com registration.



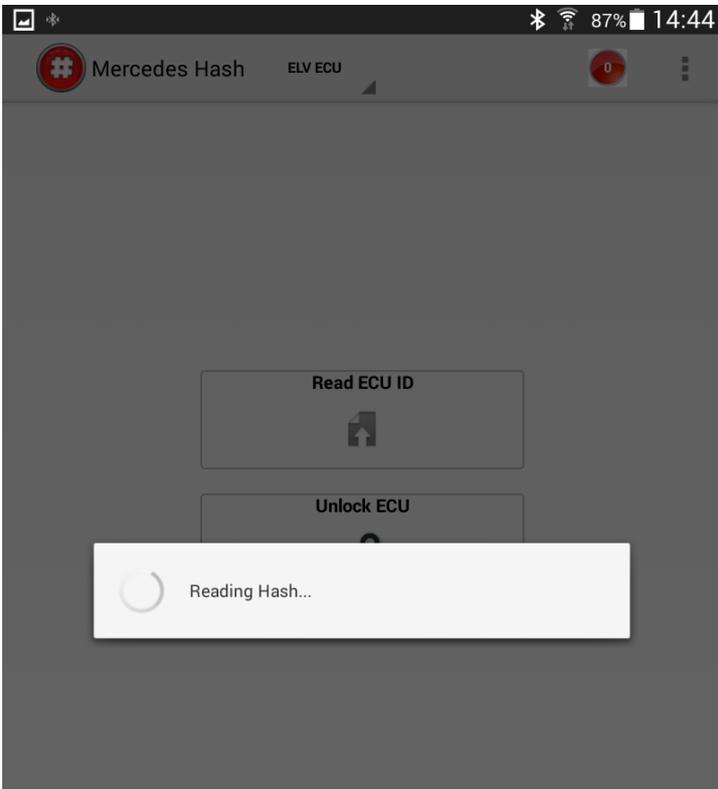
If you log in correctly and if your sonderhash.com account is activated you see tokens quantity in top right corner of the application. Entering will be done automatically from the next application running.

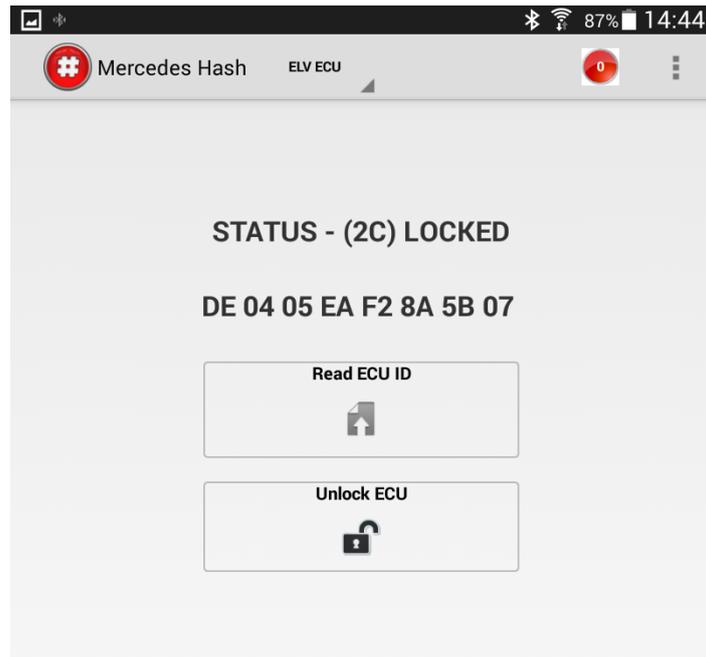


Choose the ECU type using dropdown option on the top of application. Then tap READ ECU ID button to connect with ECU.



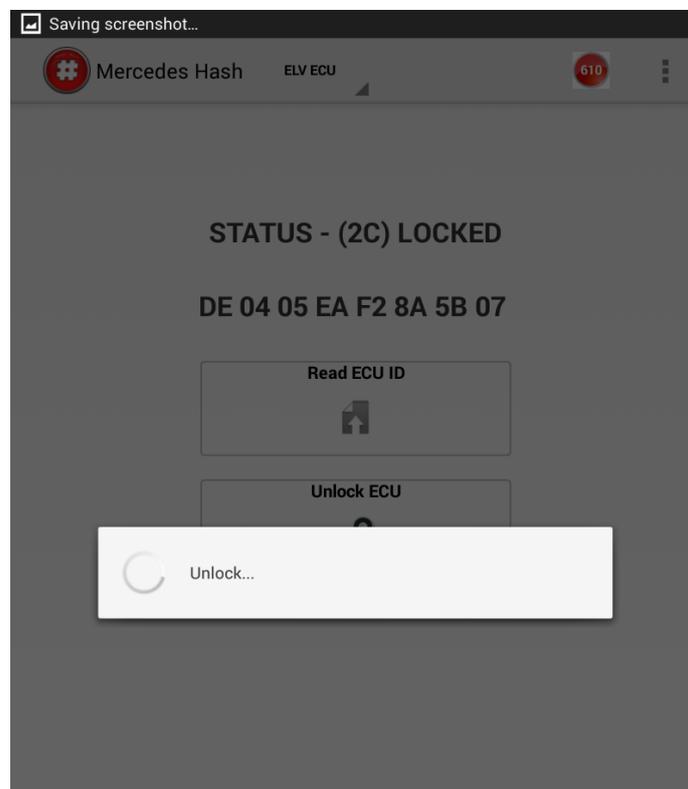
You will see READING HASH process if the adapter connected properly to the ECU (look please „Magic Eraser Connection Manual” pdf document). Then ECU data will be displayed: status and hash.





Status Locked – means the ECU is personalized and activated – could not be programmed to the other car.

Choose UNLOCK ECU option to reset (renew) the ECU. Process' status UNLOCK will start to progress – your device connects with server now and calculate hash to unlock hash, then it resets the ECU. Internet connection and one token as minimum on your account are required of course at the moment. One token will be written off from your account after Unlocking finishing.



Unlock process takes about 30 seconds – depends on Internet connection quality. New status of the ECU will be displayed on after unlocking. Status UNLOCKED – it means the ECU is at factory mode and ready to be re-programmed to the other car.

