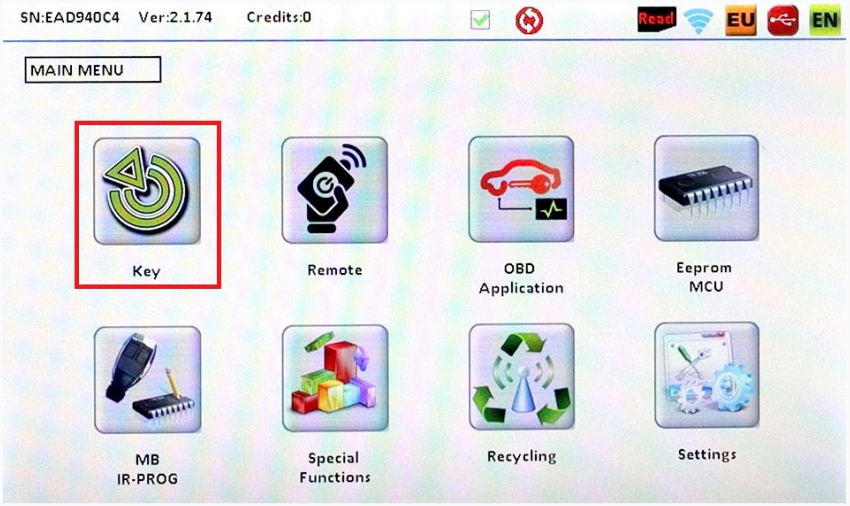
Zed-FULL plus

Megamos Crypto ID48 Online Cloning User Manual

GENERAL INFORMATION

This manual provides step-by-step instructions for cloning Megamos Crypto ID48 transponder chips using the Zed-FULL plus device and the ZFH-UTE-2 adapter.

STEP 1 Entering the "Key" Section from the Main Menu



Turn on your Zed-FULL plus device. Select the Key icon on the main menu screen to launch the transponder cloning module.

STEP 2 Selecting the Reading and Cloning Menu

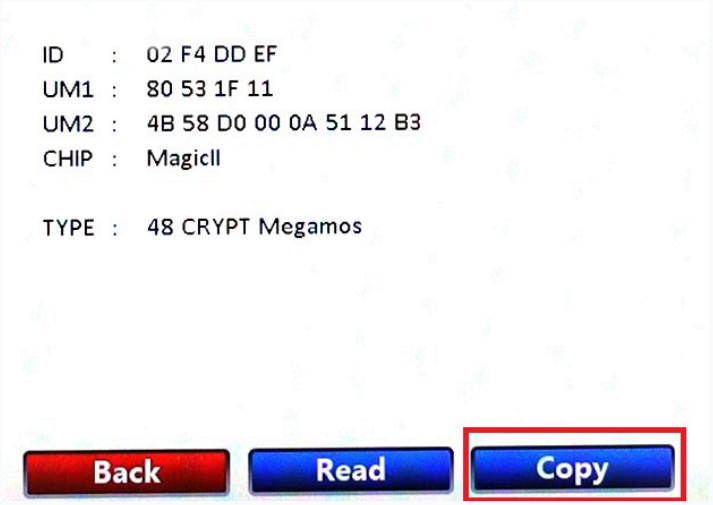


In the sub-menu that opens, select Reading and Cloning located in the top-left position to proceed.

Zed-FULL plus

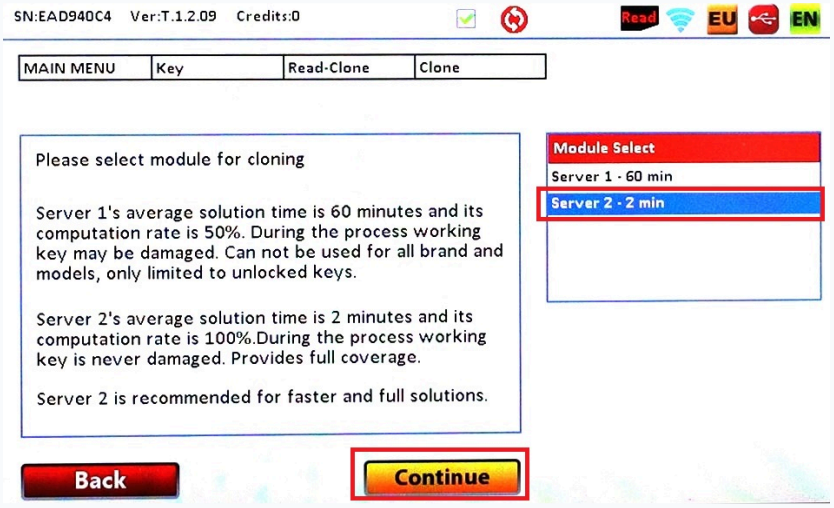
Megamos Crypto ID48 Cloning Procedure

STEP 3 Reading the Original Working Key



Place the original key into the device antenna. After confirming that the chip type is displayed as 48 CRYPT Megamos, select the Copy button at the bottom.

STEP 4 Selecting the Online Calculation Server

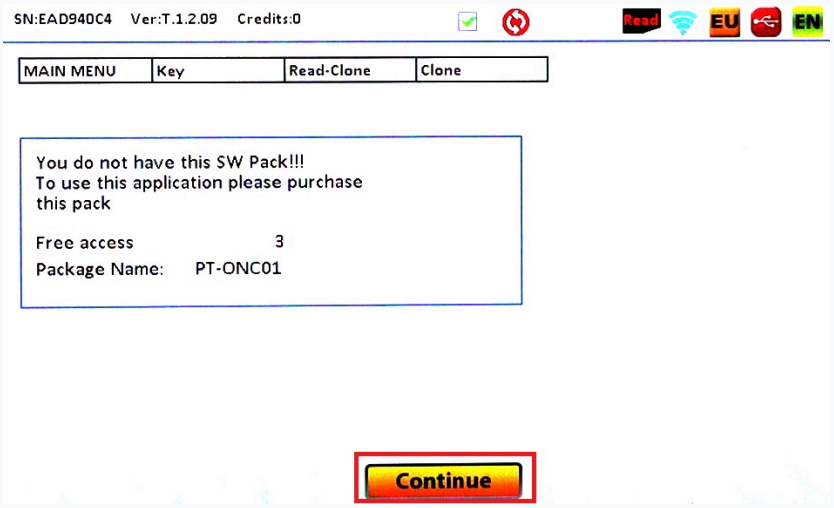


Select the calculation server to be used. Choose Server 2 (2 min), which provides fast calculation and 100% coverage, and proceed with Continue.

Zed-FULL plus

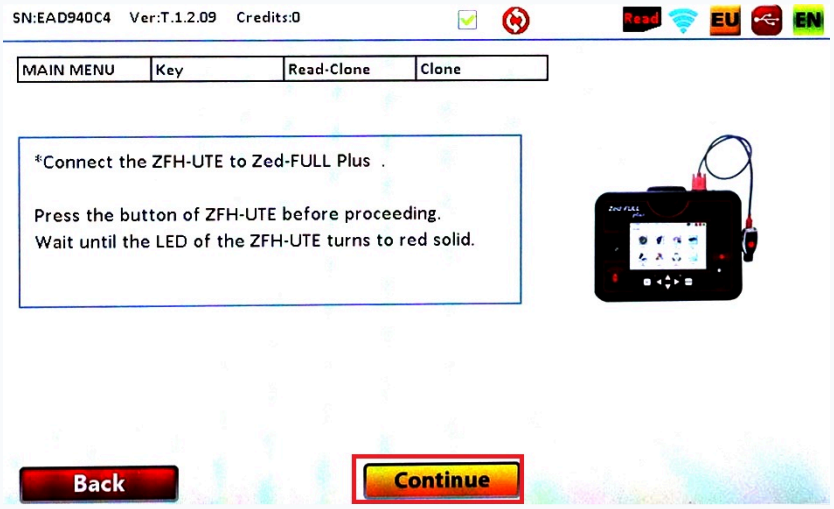
Megamos Crypto ID48 Cloning Procedure

STEP 5 Package and License Information



Check the software package information (PT-ONC01) and your remaining free access credits displayed on screen. Click Continue to proceed. You can perform the first 3 clonings free of charge.

STEP 6 Connecting the ZFH-UTE-2 Adapter



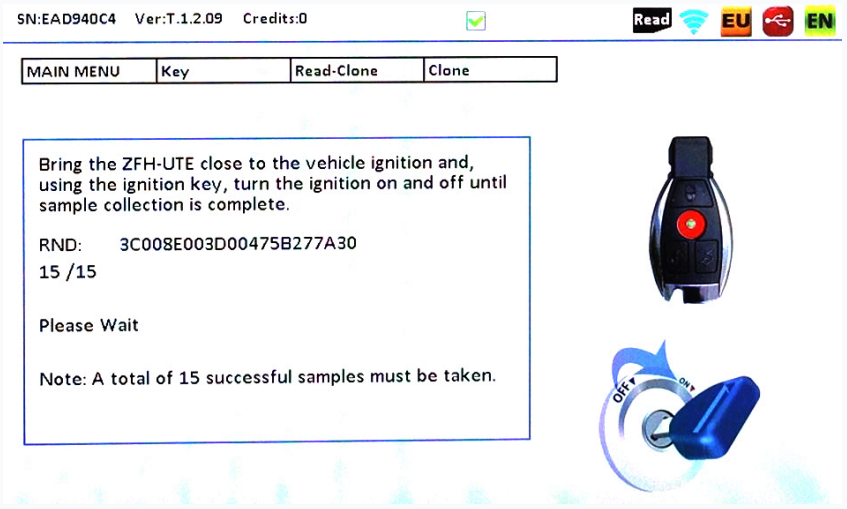
Connect the ZFH-UTE-2 sniffer adapter to the Zed-FULL plus device. Press the button on the ZFH-UTE-2 adapter until its LED turns solid RED then click Continue. .



Zed-FULL plus

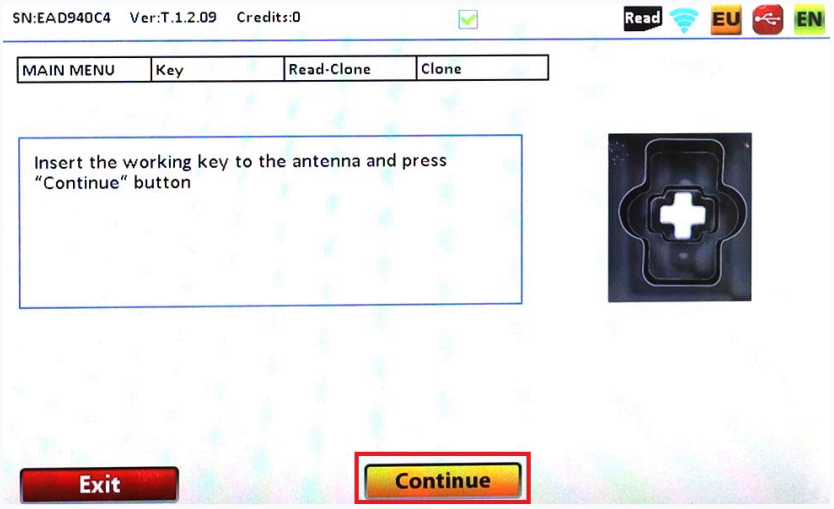
Megamos Crypto ID48 Cloning Procedure

STEP 7 Capturing Ignition Signals from the Ignition (15/15 Samples)



Hold the ZFH-UTE-2 adapter close to the vehicle ignition lock. Turn the ignition switch ON and OFF using the original key until 15 / 15 successful samples are collected, by ZFH-UTE-2.

STEP 8 Placing the Working Key Back into the Antenna

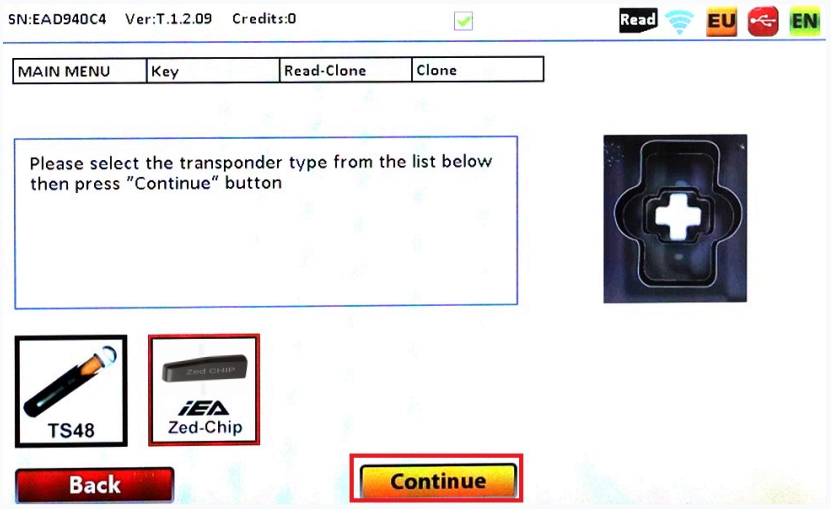


Once signal collection is completed, place the original working key back to Zed-FULL plus antenna and select Continue.

Zed-FULL plus

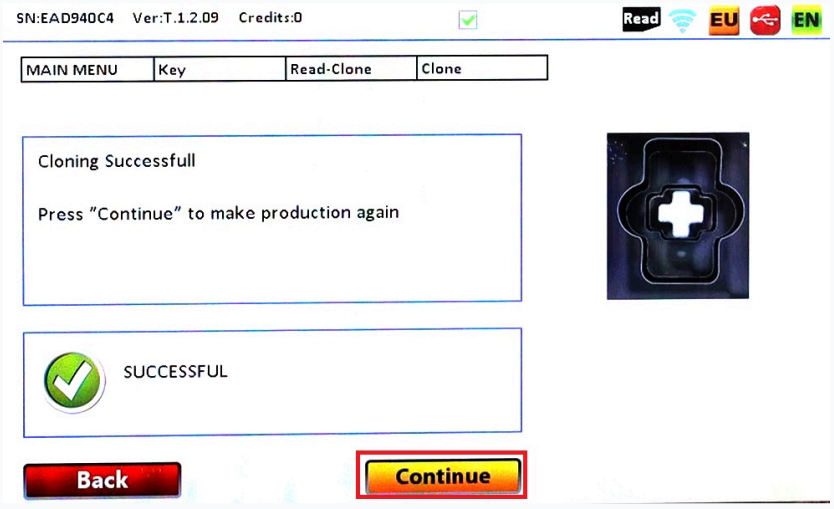
Megamos Crypto ID48 Cloning Procedure

STEP 9 Selecting the Transponder Type To Write On



Select the transponder type you will write to (IEA Zed-Chip or TS48) and press Continue.

STEP 10 Cloning Process Completed Successfully



The calculated data will be written to the new chip. When Cloning Successful and the green checkmark appear on screen, the cloning process is completed.

IMPORTANT PRECAUTIONS DURING OPERATION

- Ensure the Zed-FULL plus Wi-Fi connection remains active throughout the online calculation process.
- Make sure the ZFH-UTE adapter is held close to the ignition coil while collecting the 15 samples.
- Always verify the newly cloned transponder chip by starting the vehicle after writing is complete.

Zed-FULL plus

System Requirements & Hardware Specifications

REQUIREMENTS

The new 48 cloning application requires the following software, hardware, and network specifications:

- **TRM Module (Transponder Module):** Version must be **v1.2.09** or higher
- **SD Card:** Version must be **0.0.47** or higher
- **Hardware Accessories: ZFH-UTE-2 Emulator** and **ZFH-C15 Cable** must be used during the cloning procedure
- **Internet Connection:** Required (the application performs online calculation)
- **Software License:** The **PT-ONC01 SW package** is required in Zed-FULL plus for online use

ZFH-UTE-2 Emulator



ZFH-C15 Cable



3 FREE TRIAL APPLICATIONS INCLUDED

All **Zed-FULL plus** users can use the 48 cloning feature **3 times** without the need to purchase any SW pack (PT-ONC01), **FREE OF CHARGE** to test the system before buying. After these 3 free applications, the PT-ONC01 package is required for further use.

SUPPORTED TRANSPONDERS

The following transponders are supported for the Megamos 48 cloning application:

Zed-CHIP



TS48



IEA recommends using Zed-CHIP for the best and most reliable experience with the application.