

# Extreme EZS Reader

Extreme EZS Reader V4.0 Info@ExtremeMBTool.com

Hash: 1 2

H0: 6743AFBF227E6072

H1: DF26813E2FE4540F

H2: 5D0E3B2F332B5B68

H3: 3158C255185120D8

H4: 61588D6DF58F1F00

H5: 54B1F5AE61C4C95F

H6: 803ED840A548F17E

H7: 1D4CEB7E138AEFF1

Used Block

Security: 3

SSID: 18669B3A

Sonder: 3BBF7693482C115A

Password: 0000000000000000

Serial Nr: 3032575091806118

☐ TypeII

Ezs Read

Ezs Status 5

Initialized ☒ TP Removed ☒

Personalized ☒ Activated ☒

Neutralized ☐ Spare ☐

Last Key: 0 Prev Key: X

W204/212 ESL/EMU: 10

Personalize: ESL ☒ EMU ☐

ReNew EMU ☐ Esl Status ☐

DealerPass: \_\_\_\_\_

DoIt

EZS Options: 7

Personalize EZS: [ Series ☒ Spare ☐ ]

EZS ReNew ☐ Check Password ☐

Personalize EZS Load FBS3 Dump

SN: 5D497C30 Done Read in 18.70s.

Extreme EZS Reader V4.0 Info@ExtremeMBTool.com

Hash:

H0: 6743AFBF227E6072

H1: DF26813E2FE4540F

H2: 5D0E3B2F332B5B68

H3: 3158C255185120D8

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H5: 54B1F5AE61C4C95F

H6: 803ED840A548F17E

H7: 1D4CEB7E138AEFF1

Used Block

Security:

SSID: 18669B3A

Sonder: 3BBF7693482C115A

Password: E6AB82DB0A72B6EE

Serial Nr: 3032575091806118

☐ TypeII

Ezs Read

Ezs Status

Initialized ☒ TP Removed ☒

Personalized ☒ Activated ☒

Neutralized ☐ Spare ☐

Last Key: 0 Prev Key: X

W204/212 ESL/EMU:

Personalize: ESL ☒ EMU ☐

ReNew EMU ☐ Esl Status ☐

DealerPass: 9F1BB003AF63C457

Personalize ESL

EZS Options:

Personalize EZS: [ Series ☒ Spare ☐ ]

EZS ReNew ☐ Check Password ☐

Personalize EZS Load FBS3 Dump

SN: 5D497C30 Done Read in 49.05s.

Extreme EZS Reader V4.0 Info@ExtremeMBTool.com

Hash:

H0: 6743AFBF227E6072

H1: DF26813E2FE4540F

H2: 5D0E3B2F332B5B68

H3: 3158C255185120D8

H4: 61588D6DF58F1F00

H5: 54B1F5AE61C4C95F

H6: 803ED840A548F17E

H7: 1D4CEB7E138AEFF1

Used Block

Security:

SSID: 18669B3A

Sonder: 3BBF7693482C115A

Password: E6AB82DB0A72B6EE

Serial Nr: 3032575091806118

☐ TypeII

Ezs Read

Ezs Status

Initialized ☒ TP Removed ☒

Personalized ☒ Activated ☒

Neutralized ☐ Spare ☐

Last Key: 0 Prev Key: X

W204/212 ESL/EMU:

Personalize: ESL ☐ EMU ☒

ReNew EMU ☐ Esl Status ☐

ESL Pass: BCC126739BA5A57C

Personalize EMU

EZS Options:

Personalize EZS: [ Series ☒ Spare ☐ ]

EZS ReNew ☐ Check Password ☐

Personalize EZS Load FBS3 Dump

SN: 5D497C30 Done Read in 49.05s.

## ESL option:

This option will personalize a "Not Activated" OEM ESL or any after market Emulator that follows the standard ESL Personalization protocol.

Requirements: The field "Password" and the field "Dealer Pass"\*\*\* must be filled to use this function.

NOTE: EZS does not get renewed during this function. Here we perform exactly the same function as the dealers Blue Workshop key

\*\* You can use our Extreme MB Tool Software to calculate this Password efficiently

Extreme MB Tool version 2019.3.22.1391

Sonder Hash calculation SKC ESL Password calculation Password Calculation

This option can be used to calculate -101 Hash from the Challenge Hash obtained from any FBS3 component  
The calculated -101 Hash is then used to Renew the FBS3 component back to its factory default settings.

Service Hash: 3BBF7693482C115A

Calculate

Dealer Pass: 9F1BB003AF63C457

Setup About

Ready

## EMU option:

This option will personalize one of our Novel ESL Emulators. This is the fastest option, as it only requires the ESL Password.

Requirements: The field "ESL Pass"\*\*\* must be filled to use this function.

NOTE: EZS does not get renewed during this function. Here we use the EZS as a gateway to transfer the ESL Password to our emulator.

\*\* You can use our Extreme MB Tool Software to calculate this Password efficiently

Extreme MB Tool version 2019.3.22.1391

Sonder Hash calculation SKC ESL Password calculation Password Calculation

This option can be used to calculate W204/207/212 ESL crypto password from Key/EZS password. This is required when personalising W204/207/212 ESL direct on bench via K-line.

EZS Password: E6AB82DB0A72B6EE

Calculate

ESL Password: BCC126739BA5A57C

Setup About

Ready

## 1. Hash

From H0 to H7 are the actual current key hashes for each Keys position

## 4. Type II

For some different EZS types in order to read the data we have to select this option – this option is only needed for later NEC type EZS such as W166, W176, W246, W117

## 5. EZS Status

**Initialized** – EZS are initialized in factory

**Personalized** – EZS has been

Personalized, meaning that FBS Data has been written inside (Hashes, SSID, Password...)

**Neutralized** – EZS has been Renewed sometime in the past using some tool. Usually this is the case when an EZS has been taken from another vehicle, Renewed, then re-adapted to match the current vehicle.

**TP Removed** – This is Transport Protection. TP must be removed before personalization process begins

**Activated** – This means EZS is Activated. When an EZS is "Activated" it can no longer be personalized

**Spare** – This tells us that the EZS is a "Spare Part" EZS

"NOTE" There are 2 different types of EZS. 1.Series and 2.Spare. Series EZS are the original EZS that are installed during time of production inside Factory. Spare EZS are Replacement/After-sales EZS

**Last Key** – The number indicates the last Keys Position Used

**Prev Key** – The number indicates the previous Keys Position Used

## 7. EZS Options

**Personalize EZS Series** – Used to Personalize a Not Activated Neutralized EZS that was originally installed to a vehicle during Production inside Factory

**Personalize EZS Spare** – Used to Personalize a Not Activated Neutralized Replacement EZS/After-sales EZS

**EZS Renew** –Used to Renew an EZS. This function resets the EZS to its default values, a common reason to use this function is when you need to install a used EZS into another vehicle, after the EZS is renewed the Vin is unlocked and can be re-written, also the current mileage stored inside the used EZS will get reset to zero when renewed. The "Activated" status will also get reset to a "Not Activated" state, meaning that it is now again possible to "Personalize" the used EZS with the personalization data of the vehicle that you are intending to install the used EZS into. To use this function successfully it is necessary to insert the EZS Password and the Dealer Password into the fields provided within the Software. You can use our Extreme MB Tool Software to calculate these Passwords efficiently.

**Check Password** – Used to verify if the Password inside the "Password" field is in fact a true match with the EZS

## 8. Personalize EZS Button

We use this Button to execute the option that has been selected within the "EZS Options" section

## 9. Load FBS3 Dump

We use this Button to load an FBS data dump that was read previously using EZS reader software

## 10. W204/212 ESL/EMU

**Personalize ESL** – This option is used to Personalize a real NEC type ESL or it can also be used to personalize any W204/212 ESL Emulator that supports the standard W204/212 ESL Personalization protocol. To successfully use this function you need to insert the "EZS Password" and also the "Dealer password" into the fields provided within the software. You can use our Extreme MB tool software to calculate these Passwords efficiently

**Personalize EMU** – This option is used to Personalize our Emulator. To successfully use this function you will need only to insert the "ESL password" into the field provided within the software. You can use our Extreme MB tool software to calculate this Password efficiently

**ReNew EMU** - With our Emulator this option can be used to Renew Emulator and set it back to the default "OLD mode"

**EsL Status** - Reads the Status of a real ESL via the EZS IR. Useful option to determine if a Real NEC ESL is 0xAA Blocked

## 11. DoIt

We use this Button to execute the option that has been selected within the "W204/212 ESL/EMU" section

## 2. Used or Block positions

"Used" is occupied key position and "Block" is a blocked key position, also known as "Disabled Key"

## 6. Ezs Read Button

We use this Button to "Read EZS" Before you press this button you should enter (or paste) the EZS Password into the "Password" field, When working on some EZS you will be prompted by the software to Re-insert IR KeyTool to EZS to complete the collection of data. Please follow the on screen instructions from Software

## 3. Security

This field displays the SSID, Sonder and Serial number of the EZS. Also it has a field to paste the "Password"