



HOW-TO

How-to Use Crypted Package in EMU Classic V3

Document version: 1.0

Software version: 3.072 or later

Published on: 14 October 2026



1. Introduction

A crypted package is an encrypted file containing maps, parameters, user names, and the project comment. It allows a complete project to be uploaded to the EMU Classic V3 and protects the device with a password.

The project is prepared and password-protected by a tuner. The crypted package is then created in V3 Studio, the software for EMU Classic V3, allowing a customer to upload the project to the ECU without knowing the password or having access to its contents.

For additional protection, the crypted package can optionally be restricted to a specific ECU using its serial number.

Loading a package replaces the existing project and the ECU password. All data previously stored in the ECU is lost. The engine must remain stopped throughout the entire process.

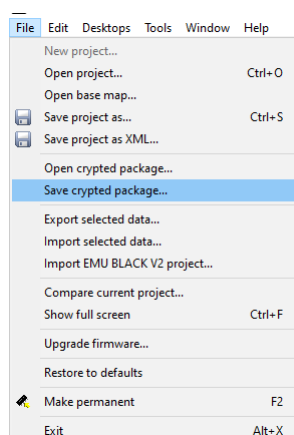
Crypted packages have the following requirements and limitations:

- File format: EMU Classic V3 packages use the .emu3package extension.
- Compatibility: Packages created for EMU Classic V3 are not compatible with EMU Black V3 (.emub3package), and vice versa.
- Firmware: The feature requires firmware version 3.072 or later.

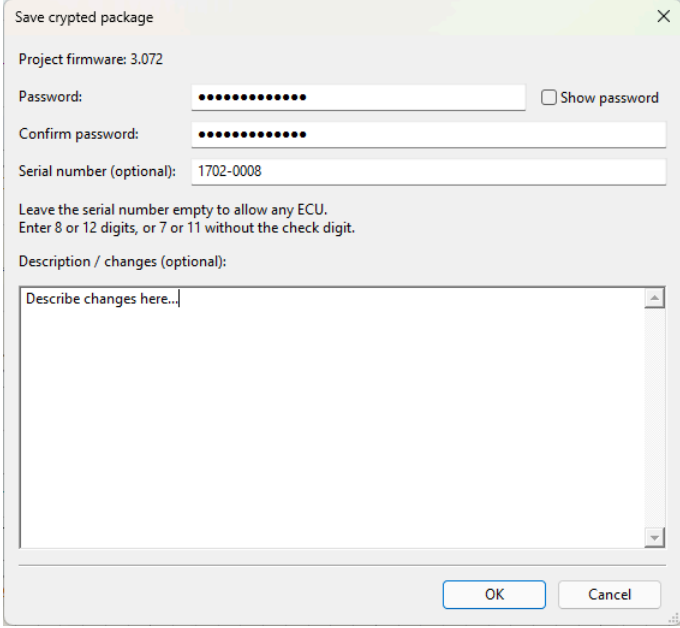
2. Creating a crypted package

A crypted package can be created from any project that uses firmware version 3.072 or later. The package is always prepared for the firmware version used by the project.

1. Prepare the project and select **File / Save crypted package**.



2. Enter and confirm the password. This password will protect the ECU after the project is uploaded. The **Show password** option lets you check the password you entered.
3. Optionally, enter the ECU serial number and a description of the changes.
4. Confirm and save the file.



Save crypted package

Project firmware: 3.072

Password: ☐ Show password

Confirm password:

Serial number (optional): 1702-0008

Leave the serial number empty to allow any ECU.
Enter 8 or 12 digits, or 7 or 11 without the check digit.

Description / changes (optional):

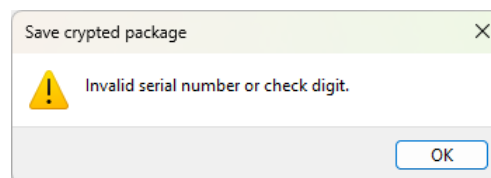
Describe changes here...

OK Cancel

ECU serial number

The serial number is an optional restriction that ties the package to a specific ECU. If the tuner enters a serial number, the client allows the package to be loaded only into the device with that serial number. If the numbers do not match, a message appears and loading stops before any ECU data is changed.

Leaving the field empty allows the package to be used with any EMU Classic V3. The serial number identifies the device; it does not replace the password or the firmware version check.

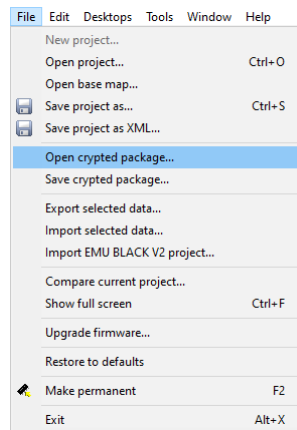


3. Loading a crypted package

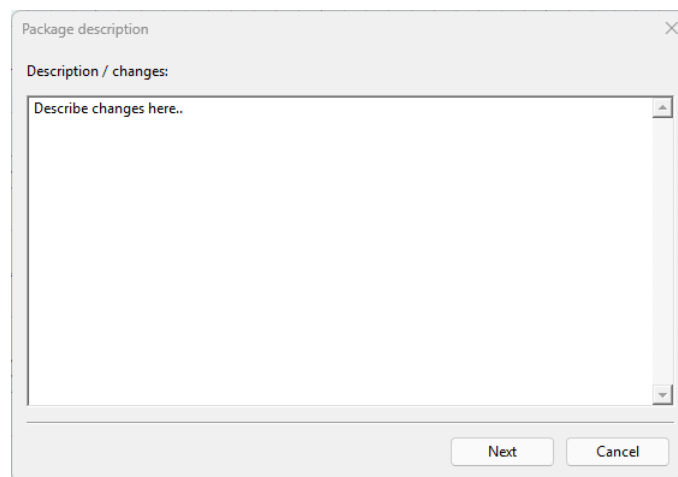
The loading procedure depends on whether the ECU is currently protected by a password. In both cases the engine must be stopped, and the existing project and password are replaced by those stored in the package.

Loading into an ECU without a password

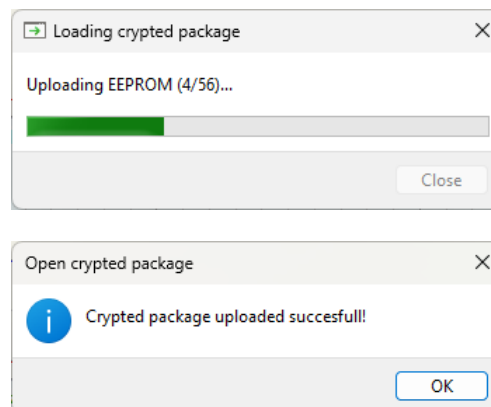
1. Stop the engine and connect the client to the ECU.
2. Select **File / Open crypted package** and choose the file.



3. If the package contains a description, read it and select **Next**. **Cancel** stops the operation.



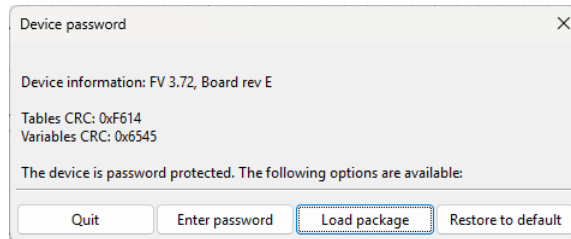
4. If a different firmware version is required, follow the firmware update prompt (see [Firmware update \(on page 5\)](#)).
5. Wait for the upload to finish and the ECU to restart.



After the restart, the device is protected by the password stored in the package.

Loading into a password-protected ECU

1. Stop the engine and connect to the ECU.
2. In the **Device password** window, select **Load package**.



3. Choose the file, review its description and confirm the firmware update if prompted.
4. Wait for the operation to finish and the ECU to restart.

You do not need to know the ECU's existing password. The client checks the package, erases the existing data and uploads the new project together with the new password. If you have already unlocked the ECU using its password, you can also use **File / Open crypted package**.

4. Firmware update

A package requires the exact firmware version for which the project was prepared. If the ECU has a different version, the client displays the current and required versions and asks you to confirm the update. The message also states that all ECU data will be lost and a new project will be loaded.

After you select **Yes**, the client automatically searches for the appropriate file in the Firmware directories. The minimum supported version is 3.072, corresponding to emuV3_3_072.bin. If the required file is missing, a message appears and the process stops. There is no manual firmware file selector.

After a successful update, the client checks the device again and continues loading the package. Selecting **No** cancels the operation without changing any ECU data.



Warning:

Do not disconnect the ECU or turn off its power during the upload.

5. Document history

Version	Date	Changes
1.0	2026.10.14	Initial release