

# Clave2 Basic

Developers Guide of Enveloper

v2.0.0.0

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# Envelope Protection

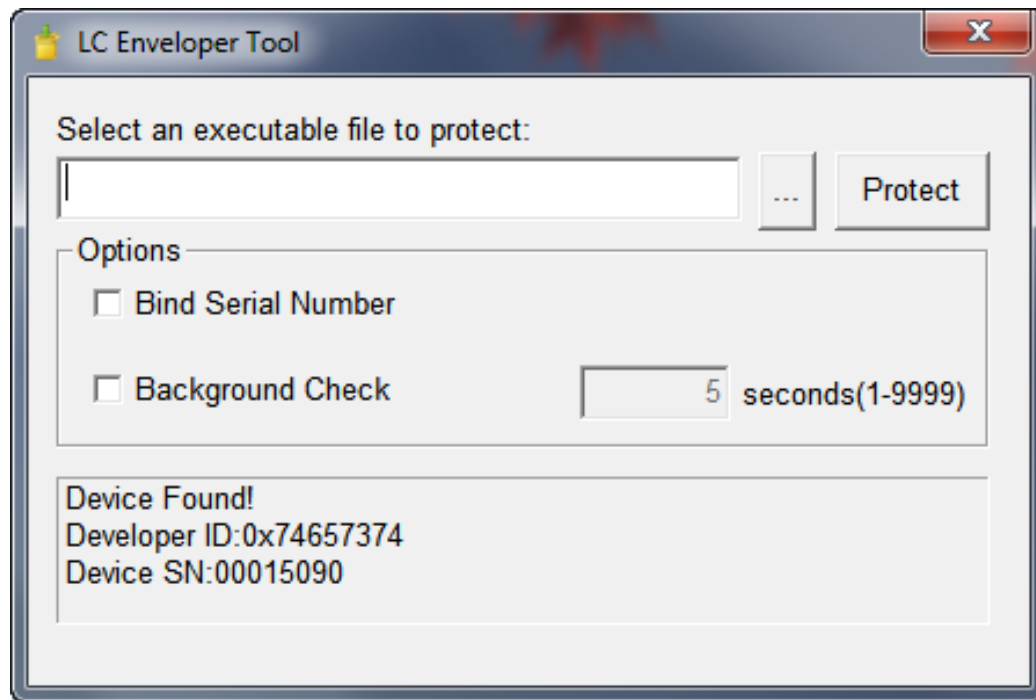
The envelope protection can help you make a rapid encryption that effectively reduces the efforts you put on. It does not require any amendments on source code, but the enveloper only. Therefore, it is available to add extra protection codes in the compiled binary program for avoiding authorization from being abused. This is the most time-effective solution but with a drawback of less strength, in contrast to the way of calling API which we strongly recommend.

The enveloper works with whole Clave2 series and differentiates from other conventional tools. Its basic principle is to bind the shell with the inner stored data, and only execute with the corresponding device, that dramatically increase the difficulties to decrypt.

# Tool – Enveloper

## Make an Enveloper

1. Plug in an LC device corresponding to software which is about to encrypt.
2. Run the LC Enveloper Tool.exe, the LC device information will show in the screen as follows.



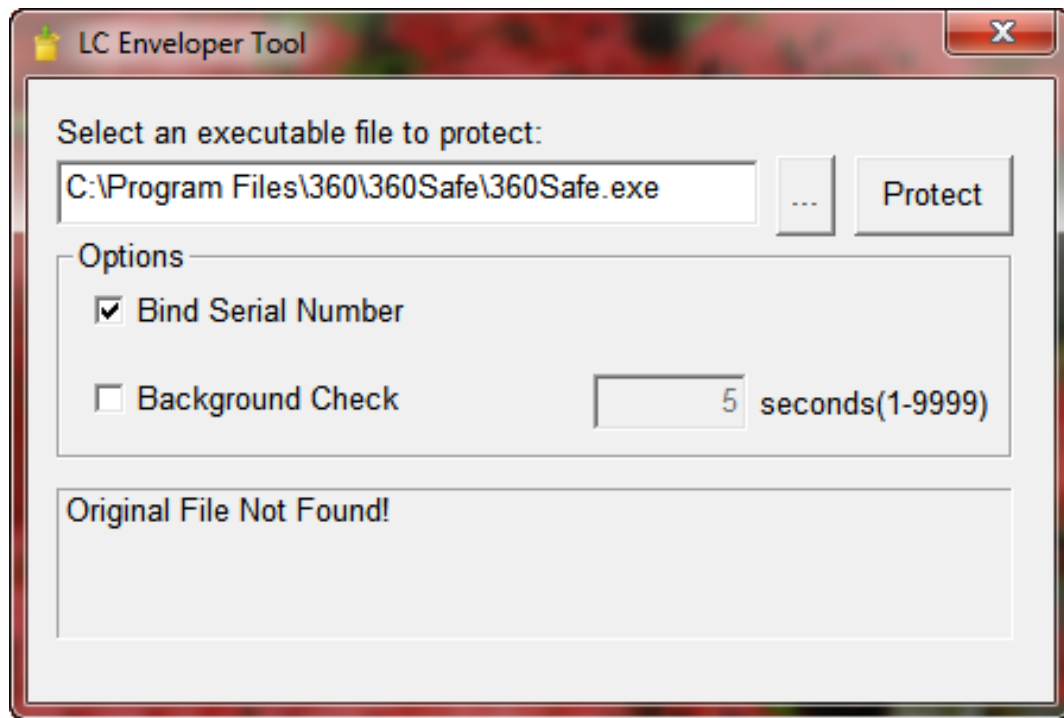
3. It is optional to tick the **Bind Serial Number** check box.



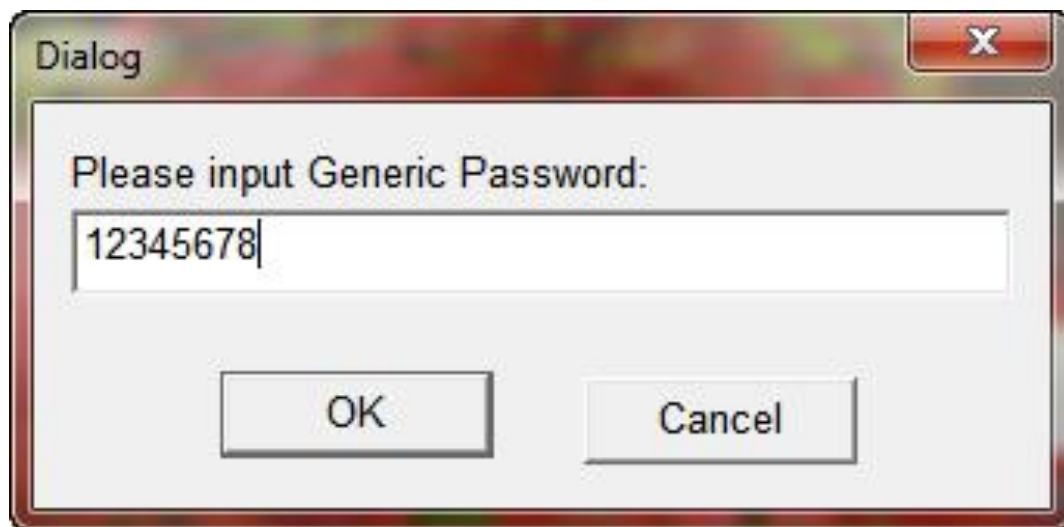
Ticking “Bind Serial Number” check box implies that the after-shelled exe file was bound with the LC device.

For instance: there are 3 copies of software, Copy A, B, C corresponding to Key A, B, C respectively. After using Key A to envelope Copy A, with “Bind Serial Number” ticked, the shelled exe can only execute under the Key A plugged in. Without “Bind Serial Number” ticked, the shelled exe can run by plugging in any of three keys.

- Click the ... button (Red Balloon 2). It is for you to locate the exe file which is about to add shell.



- Click **Protect**.
- Input the **Generic Password** of LC device from the pop-out dialog box as shown.



- Click **OK**. If adding shell operates successfully, a reminder like Figure 4 will blow out. At the time, under the same director of exe file, an **\*\*\*\_shell.exe** file is generated that is an executable file with shell protection by tool Enveloper.
- Replace the original exe file by the shelled exe, by now, adding shell is completed.

## Programming Languages Supported

As the variety of programming languages, at the moment, LC enveloper can only support the following 32-bit exe file:

BCB, Delphi, VB6, VC, Autherware.