

# StarForce FrontLine Universal

**Solutions for professional protection of programs distributed on discs or via the Internet from illegal usage, industrial or home-made copying, professional cracking and reverse engineering**

*StarForce Technologies  
is a recognized expert in the field of protection  
of games, educational, entertaining  
and business software*

## *StarForce Protection*

StarForce qualified professionals have created a complex of copy protection solutions for many of legal software owners. The Company provides a wide choice of reliable protection tools against home-made and industrial copying for software and e-documents, licensed discs emulation and cracking. StarForce offers software publishers, manufacturers and developers a wide spectrum of qualified services. Among them: customized solutions, consulting, audit and researches of software crack resistance, analysis, unauthorized usage and so on.

StarForce solutions are very convenient of use for application actually in every country of the world providing outstanding on-line technical support, absence of special requirements for optical disc production, high speed and ease of integration.

### *StarForce protection technologies*

StarForce Technologies is:

- The most modern and definite software protection solutions from illegal use, home-made and industrial copying, crack and reverse engineering.
- Flexible DRM technologies for secure Internet sales providing with various ways of products delivery and software distribution control.

Our technologies and solutions together make it seamless to maintain sales for both physical media and on-line (digital) sales.

The fundamentals of StarForce protection systems propose the key idea about identification of original physical license disc parameters and end users id hardware.

Client-server technology which is used for protection installation provides a reliable protection scheme for files encryption and key forming algorithms as these operations are executed exclusively on the StarForce remote protection server and are not applicable for outside analysis. Client-server interaction goes on through secured and encrypted channel.

The unique technology that was developed by StarForce engineers and now is used in binding to disc solutions allows specifying 24-bit digital key with information about original physical parameters of the whole plant batch. Only single disc from the batch and standard CD/DVD-ROM drive are need for this. The digital key is used by protection module that's got a built in software executable file as a standard for license CD identification. That key isn't covert, as it allows launching the protected application only in case when license disc with the key that exactly matches physical parameters is situated in CD/DVD-ROM drive of end user. The key may be then placed on official webpage or printed on packs, envelopes or discs themselves by the publisher. For digital on-line sales we at StarForce Technologies do realize the variety of flexible product activation schemes included in the licensing. This license (serial number) includes parameters and the logic scheme of application work after its activation.

Protected software is installed on the user's hard disc and is attached physically (digitally) to the computers' hardware configuration. This technology is able to comprehend different levels and schemes of binding to the hardware based on the features of protected software and its users.

Product activation can be done via Internet or in case of its unavailability by phone, fax, e-mail and sms. StarForce solutions also give opportunity to withdraw licenses and change the logic of its work functionality.

## FrontLine Universal

*Single solution for distributing protected products either on optical storage or via the Internet*

FL Universal advantages and features:

- Single project of protected files, support, update and internal testing which dramatically reduces required customer efforts
- Simplicity of the protected product updates  
Due to the fact that there is only one protection setup for all ways of the product distribution the updates affect only this setup
- Any distribution scheme is available, including:
  - Distribution of the product on any kind of storage and via any sort of distribution channel
  - Transfer of authority of the product distribution to partners and dealers
- The end user is enabled to create a backup copy of the protected product
- Limitations to copying of the product can be introduced by the product's publisher  
Publisher can set policy of management under backup copies creation
- Control for product usage via the Internet

FL Universal technical details

By default the FL Universal incorporates functionality of the following products:

**FL Disc Pro**

+

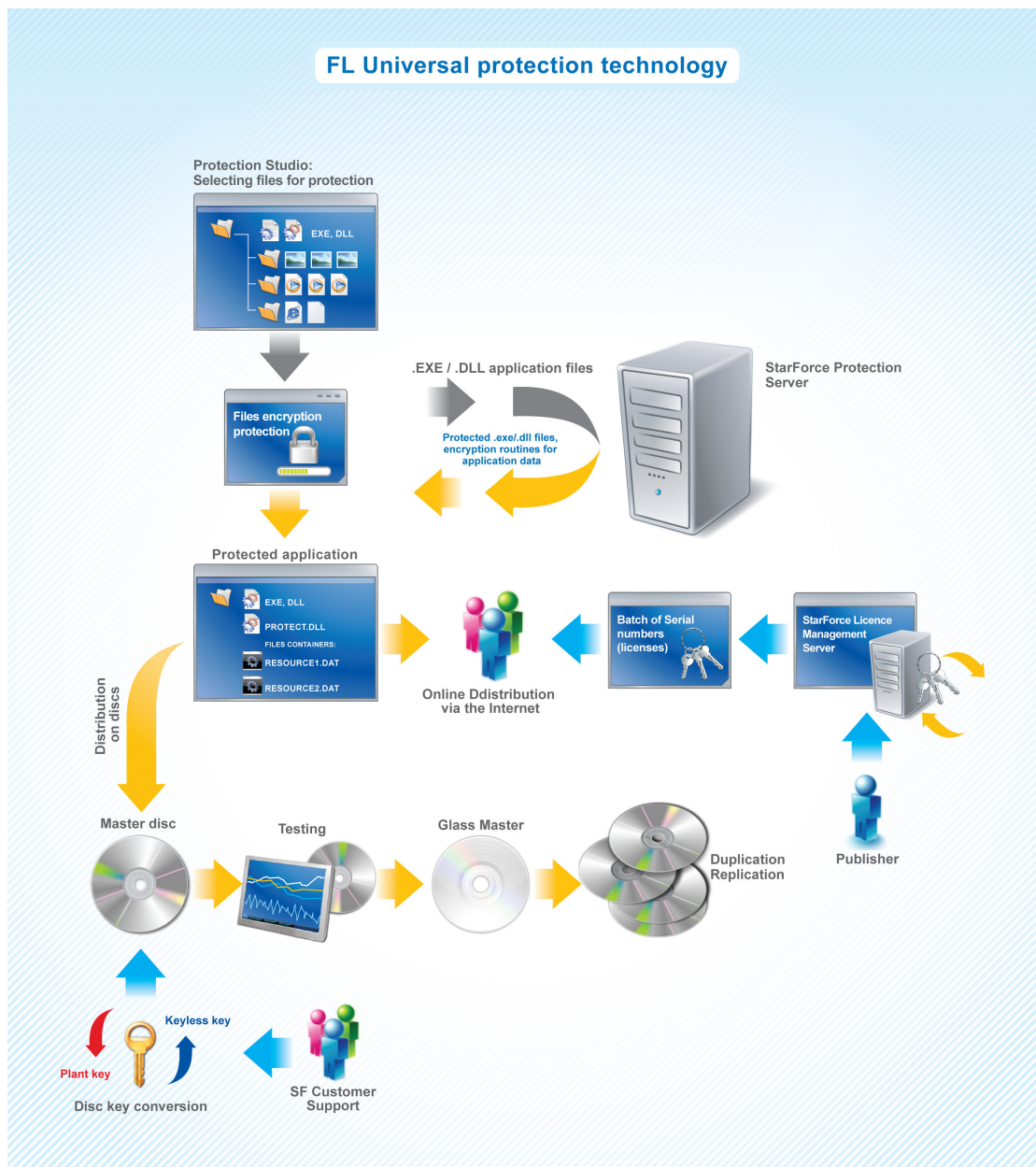
**FL ProActive Pro**

| FL Disc Pro (distribution on optical discs)   | FL ProActive Pro (distribution via the Internet)  |
|---|---|
| -CD/DVD<br>-CD Keyless/DVD Keyless<br>-CD-R/DVD-R   | Specification of the type of the key, maximum activation quantity, time before program reactivation, the level of binding   |
| Protection from copying, emulation and cracking   | Scope limits: specification of a serial number time scope, the start date of the license, the end data of license, the license validity scope   |
| Protection of an unlimited number of executable files and data files                                    | Regional settings   |
| Protection of updates   | Additional features (Specification of the maximum number of workstations the program can be activated simultaneously, number of program's runs, specification of how long the program can work without restart) |
| Protection of a product on all its life phases (development, testing, etc.)                             | Editing of serial numbers/Serial number generation parameters *   |
| Periodical disc check   | Serial number Black Listing   |
| Tuning protection settings in accordance with product's architecture and preferable distribution scheme | Serial number generation by time report and program   |
| Protection localization   | Serial number activation statistics report and statistics by scope  |
| The end user can create a backup copy of the protected application *                                    | Deactivation of a licensed program by the end user *  |
| 24 Hour StarForce support service   |   |
| Protection is applied by StarForce engineers with or without introducing changes to program code *      |   |
| Crack-proof guarantee during certain period of time * **  |   |

\* Extra fee

\*\* Only if protection requirements are met by the developer company

A customer can specify another configuration of FL: FL Disc Basic + FL ProActive Basic. Protection price will be set in individual way.



FL Universal protection phases:

1. The program is applied protection by either a developer or publisher using the SF Protection Studio directly from office
  2. Developing of various installation schemes for different distribution models
  3. Distributing of the protected program according to the distribution models
- The end user working with the protected program will not notice any differences as compared to an application with ordinary types of binding

## Protected files types

- x86/x64 executable files
- .Net executable files

\*Protection does not cover executable files which have preliminary been packed or ciphered.

## System requirements for StarForce Products

For the protection:

- Intel Pentium x86/x64 or 100% compatible processor
- Microsoft Windows 2000 SP4, Windows XP 32 (SP2)/64, Windows Vista 32/64
- Internet connection
- CD-RW, DVD-RW drives for writing protected programs to SF CD-R, SF DVD-R discs (you can obtain a list of recommended drives from StarForce support service). It is necessary for protection with disc binding.

For protected program:

- Intel Pentium or another 100% compatible processor
- Microsoft Windows 2000, Windows XP 32/64, Windows 2003 Server, Windows Vista 32/64.
- CD-ROM, DVD-ROM, CD-RW, DVD-RW (in case of distributing and binding protected application to optical disc)
- (nonessential) Internet connection (for activation of protected application through Internet)

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