



Software licensing and protection from piracy

StarForce FrontLine Universal

Integrated software security suite for applications distributed in retail as well as online. FrontLine Universal protects software from unauthorized or illegal use, distribution, commercial replication, private copying, reverse engineering and hacking.

FrontLine Universal is recommended for protection of multimedia software, computer games, educational and entertainment applications.

FrontLine Universal is easy to install online using the free Protection Studio tool.

FrontLine Universal comprises features available in FrontLine Disc and FrontLine ProActive tools.

FrontLine Universal implements a one-off protection method enabling to bind protected software to optical disks and computer hardware at the same time. However, disk authentication and hardware verification do not happen on application launch by default. Software publishers can choose a preferred binding method as part of the software or disk protection process.

FrontLine Universal features and benefits include all those present in FrontLine Disc and FrontLine ProActive applications. An exclusive feature of FrontLine Universal is the ability to provide one-off protection for applications distributed online and in retail at the same time.

FrontLine Universal features and benefits:

➤ **Change distribution policy easily**

Even when a publisher plans to distribute software using a single medium (such as optical discs) there is a possibility that other distribution opportunities may come in handy. This is especially true of online distribution and involves extra costs associated with tailoring software release packages to new distribution channels. Original application files must be stored and resorted to in order to assign new distribution rights, protect the files with a different binding method, build and secure new distribution packages etc. FrontLine Universal simplifies this tedious process by enabling the publisher to create a new application installer that changes binding types in the operating system registry, or create and distribute a REG file for the same purpose.

➤ **Protect, test, update and provide support for all distributed software as part of a single process allowing to minimize workload and labor costs**

All software and updates distributed across different channels are covered by a single protection plan. This enables the publisher to create integrated patches for disc and online software versions, minimizing workload and labor costs.

➤ **Eliminate protection costs**

FrontLine Universal is an integrated software security solution allowing to create one set of protected application files suitable to both online and optical media distribution scenarios. In this way, FrontLine Universal comprises the features of FrontLine ProActive and FrontLine Disc, standalone products each tailored to one of the above distribution channels. Instead of purchasing two software products publishers can use FrontLine Universal to authenticate installation disks for software distributed on optical media or require online activation and verify hardware configuration for applications distributed online.

- **Control application functionality based on license type**
- **Distribute software with ease:**
 - Distribute using any type of storage media and through any channel
 - Assign distribution rights (licenses) to dealers and business partners
- **Control users creating backup copies of protected products**
 - Publishers can set their own backup policies
- **Control the use of software distributed online**
- **Provide deactivation features to enable users to port software to other computers, upgrade hardware or reinstall the computer operating system**
- **Add Activations Automatically (“AAA”) technology enables users to invoke an unused activation at any time**
- **Receive technical support 24/7**

By default FrontLine Universal comprises features of the following solutions:

FrontLine Disc Pro

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FrontLine ProActive Pro

Protection options	
Code obfuscation	
<ul style="list-style-type: none"> ➤ Function protection (export/import) ➤ Extra protection with hidden classes 	
Protection of unlimited number of files	
Data file protection	
Beta version and promotional copy protection	
Patch and add-on protection	
Functionality stripdown based on licensing mode	
GUI customization	
StarForce SDK included	
Ability to change binding type when building protected software distribution package	
Hardware binding (FrontLine ProActive Pro)	Disc binding (FrontLine Disc Pro)
Binding level control	Disc copy protection
Licensing modes	Disc emulation protection
<ul style="list-style-type: none"> ➤ Demo ➤ Trial Mode ➤ Try & Die ➤ Buy Only 	Disc binding options
Licensing options	<i>Supported disc types</i>
<ul style="list-style-type: none"> ➤ Serial number expiration date ➤ License start date ➤ License expiration date ➤ License duration ➤ Serial number regional settings ➤ Maximum application run time ➤ Continuous run time 	<ul style="list-style-type: none"> ➤ CD (keyless / non-keyless) ➤ DVD (keyless / non-keyless) ➤ DVD9 (keyless / non-keyless) ➤ StarForce CD-R (keyless) ➤ StarForce DVD-R (keyless)
Serial numbers blacklisting	Recurrent disc check
Serial number activation/generation statistics	Application run time control
<ul style="list-style-type: none"> ➤ By date ➤ By title ➤ By distribution channel ➤ By serial number or batch ➤ Overall statistics 	<ul style="list-style-type: none"> ➤ By expiration date ➤ By total run time ➤ By number of application runs
Additional options	
GUI customization	Disk backup
Add Activations Automatically	
Application deactivation	
Serial numbers editing	
Services	
Protection integration by StarForce engineers	
<ul style="list-style-type: none"> ➤ With code modification by StarForce engineers ➤ With code modification by customer ➤ Without code modification 	
24/7 technical support	

*Additional charges apply

Customers can also select from a set of features included in FrontLine Disc Basic and FrontLine ProActive Basic editions. The cost of this solution is determined on a per-customer basis.

FrontLine Universal CD/DVD implementation pipeline:



Supported file formats:

- Standard Win 32/64 executable files
- Standard Win 32/64 dynamic link library (DLL) files
- .Net applications
- Data files if called by protected application files directly
- Flash applications (executable and data files)
- Installer applications

* Encrypted and/or packed executable files are not supported.

Supported operating systems:

- Windows 2000
- Windows XP 32/64-bit editions
- Windows Vista 32/64-bit editions
- Windows Server 32/64-bit editions
- Windows 7 32/64-bit editions

Supported optical storage media:

- StarForce CD-Recordable (680 Mb capacity)
- StarForce DVD-Recordable (4490 Mb capacity)
- CD-ROM (700 Mb capacity)
- DVD-ROM-5 (4,7 Gb capacity) and DVD-ROM-9 (8,5 Gb capacity)

FrontLine Universal system requirements:

- Internet connection (broadband recommended)
- CD-RW/DVD-RW drive
- Optical disc burning software

For more information please contact us:**➤ StarForce Moscow HQ**

Altufevskoe shosse, 5/2
127106 Moscow, Russia
Tel: +7 (495) 9671451
Fax: +7 (495) 9671452
E-mail: sales@star-force.com
www.star-force.com

➤ StarForce Asia Pasific

StarForce Technologies, Ltd. (Asia-Pacific Office)
SI-1802, Guanhuoguoji Building No.105 Yao Jia Yuan Road,
Chaoyang Dist., Beijing China
Zip: 100025
Tel.: 86-10-59623093 59623052 82856017
Fax: 86-10-59623052
www.star-force.com.cn

➤ StarForce America

San Ramon, CA.
Tel: +1-925-272-4515
E-mail: sales@star-force.com
www.star-force.com

➤ StarForce France

20, rue Malar
F-75007 PARIS
Tel : +33 (0)1.44.18.37.05
Fax: +33 (0)9.56.72.07.47
E-mail: olivier.duran@star-force.com
www.fr.star-force.com