

The logo features a large, light gray circle centered on the page. Inside this circle is a smaller, solid red circle. The text 'Alpha-ROM' is written in white, bold, sans-serif font across the middle of the red circle. Below the main title, the phrase 'Copy Protection for Interactive Software' is written in a smaller, white, sans-serif font. In the upper right corner of the overall image, there is another smaller, light gray circle, and a few thin, curved lines are visible in the top right corner.

# Alpha-ROM

Copy Protection for Interactive Software



Founded in 1997, Settec develops and markets copy protection, rights management and data security technologies for music, software, interactive entertainment and online market. Settec's Alpha-DISC™ copy protection technology is used to prevent the unauthorized copying and ripping, thereby protecting contents providers' copyright. LG International Corp. is our partner for worldwide marketing and sales.

## Settec's Products

### OFFLINE (CD / DVD Copy Protection)

- Alpha-Audio for music (audio copy protection)
- Alpha-ROM for software (game and software copy protection)
- DXD for multimedia (multimedia contents copy protection)

### ONLINE (Data Security, Rights Management)

- Alpha-Secure for PC Security (PC data security)
- Alpha-DRM for trial software/music downloads (digital rights management)

# Alpha-ROM Copy Protection

Alpha-ROM protects digital contents on CD-ROM from all forms of piracy, such as 1:1 copying, image copying and hacking. It is an effective and easy-to-use solution to fight against much proliferated software piracy.

## Alpha-ROM copy protection can be applied for

- Interactive / Game software
- Application software
- Education and language software
- Pre-Releases demo version software
- Any contents in CD-ROM and CD-R format

## System Requirements

Microsoft Windows OS (95, 98, 2000, NT, ME, XP)

# Software Piracy

## Unprotected Disc or Other Copy Protection



## Alpha-ROM

CD to CD Cannot Copy or Run

Virtual Drive Cannot Copy  
or  
Make an Image

Cracking Cannot Make a Crack

## Alpha-ROM Protected CD

When an unauthorized user tries to copy Alpha-ROM protected CD with one of the methods listed above,

(1) it cannot be copied at all.

or

(2) even if it is copied, the program does not launch or run.

# Why Alpha-ROM?

## Powerful Copy Protection

- Ability to protect contents from all forms of piracy.
- 100% Resistant to all copying tools, such as CloneCD, Virtual CD Emulators, etc...
- Anti-Hacking technologies.

## Highest Playability

- Highest compatibility in CD-ROM and DVD-ROM drivers.

## User-friendly

- Transparent to end-users.
- No additional installation or equipment is needed such as dongle, password or internet connection.

## Easy distribution of copy-protected patch files (exe, dll, lib and data files)

- Encrypted patch files can be downloaded online for the use of authorized users only

## Regular Update and Upgrade

- Constantly upgraded for maximum performance.

## Fast and Easy Service

- No need for modification of source code. Alpha-ROM is applied on the final master CD.
- The application can be done by either Settec or Authorized Reseller.

## Anti-Cracking

- Highest resistance to cracking or reverse engineering.

# Alpha-ROM Structure

Alpha-ROM is consisted of different features to maximize protection

## Authentication

- Hidden digital signatures on Alpha-ROM disc verifies whether the disc is original or copied.

## Encryption

- Encrypting of executable and data files.

## Anti-debugging

- Prevents memory dumping and reverse engineering.
- Effective against hacking and cracking.

# Options

## OHD (Optical Head Ditching)

Reduce piracy attempts. When an unauthorized user tries I:I CD copying, a disc with the OHD technology prolongs the copying process from 10 to 20 hours. Even if it is copied, the copied disc does not run.

## Disc checking options

- Checking the original disc every time the program is run.
- Checking the original disc once every x number of days.
- Checking the original disc only when the program is installed.

## DRM Option

- Alpha-ROM applied title can be equipped with DRM Option to enable online registration. Also, online authentication and internet billing system can be integrated.

# TO PROTECT YOUR SOFTWARE

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## Mastering and Replication Facility

Please inquire us for Alpha-Audio mastering and replication facility in your territory, or for authorized mastering and replication facility position.

## Reseller

Please inquire us for Alpha-Audio reseller in your territory or for authorized reseller position.





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