



# NMS nCode

## IT Security that doesn't get in the way

New Media Security provides security solutions to protect your organisation's data when it is at its most vulnerable - on mobile devices such as PDAs, Laptops, Tablet PCs, and also in emails and on CDs and DVDs.

Our software solutions prevent unauthorised access to sensitive information by using a combination of user authentication, such as a strong password, and data encryption.

NMS software protects the mobile enterprise while being:

- **Easy to use for the end user.** There is nothing to learn or remember to do:
- **Easy for the IT Dept.** Management tools make it easy to deploy, manage and recover users remotely.
- **Cost-effective.** Enables your organisation to use technology to the full without worry, and with reduced support and Help Desk costs.

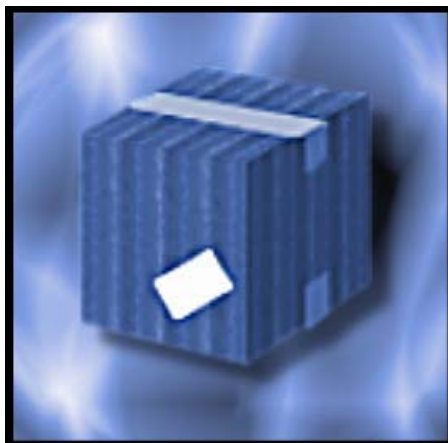
## Other NMS products

As well as NMS for PC we offer:

- **NMS for PDA**  
Full protection for Pocket PCs.
- **NMS for PC**  
Encryption and authentication for laptops, XP Tablets and desktop PCs.

## Securing your mobile data

Do you send confidential information via email, or store it on CD or DVD? Are you worried about unauthorised people seeing sensitive information after it has left your control? You can now protect this mobile data with NMS nCode™ and give your workforce the freedom to distribute company information in the knowledge that it can only be read by the people it is intended for.



## NMS nCode Highlights

NMS nCode creates secure email attachments, DVDs and CDs by using strong encryption and by controlling who can read the contents. A number of options are provided for making sure that only authorised people can access the data.

You control what the recipient must do in order to access the data: enter a password, or supply an unlock code that they get by calling the support desk. Authentication can be set up to be completely automatic, if the recipient's PC is installed with NMS for PC.

To read encrypted CDs and DVDs, the recipient also needs the NMS nCode program. For encrypted email attachments, the recipient does not need the full program, but can use the free nCode Reader, which can be downloaded from [www.NewMediaSecurity.com](http://www.NewMediaSecurity.com). Encrypted email attachments can also be sent as self-extracting files.

## What NMS nCode does

When you create secure encrypted email attachments, DVDs and CDs with NMS nCode, you are protecting sensitive information even after it has left your hard drive or server. NMS nCode offers a choice of simple yet effective methods of ensuring the confidentiality of the information you are sending. It also provides straightforward, yet secure methods for authorised people to access the information.

You control how your recipients access the data. You can choose any combination of:

- **Password.** You agree a password with the recipient, which they enter when opening the data.
- **Unlock response code.** Using a secure challenge/response procedure you can control whether the data must be unlocked every time it is opened, or is unlocked forever, the first time the unlock response code is supplied.
- **NMS for PC.** If you and your receivers have NMS for PC installed, and you are using the same Product Encryption Key (PEK), authentication is automatic and transparent. No-one else will be able to unlock the data.

## Creating a secure email or CD

1. Start the NMS nCode application. This is a simple set of graphical dialog boxes.
2. Choose whether you want to create a CD, self-extracting email attachment, or email attachment that requires the nCode Reader.
3. Choose the methods for controlling access:
  - Password: can be up to 25 characters.
  - An unlock procedure, in which the CD or email attachment can only be unlocked through exchange of randomly-generated challenge and response codes with the receiver.
  - NMS for PC protection, which uses 128-bit triple DES.
4. Select if the recipient goes through authorisation every time the nCode file is accessed, or the first time only, and if the unlock must be from this PC or other authorised PCs can be used.
5. Drag and drop the files you want to secure from Windows Explorer or My Computer, and click to create the NMS nCode file.
6. Send the email attachment, in the usual way, or burn the CD using your usual CD writer and software.

## Reading the secure NMS nCode file

To read encrypted CDs, the recipient needs the full NMS nCode software. Encrypted email attachments sent as NMS files only require the nCode Reader, which is a free download from [www.NewMediaSecurity.com/nCode](http://www.NewMediaSecurity.com/nCode). Self-extracting email attachments do not require the Reader.

When the recipient inserts the CD or double clicks the email attachment, if the nCode file is password-protected, the must enter the pre-agreed password.

If an unlock code is required, a unique challenge code appears on the receiver's PC. This challenge code is read to the sender or support desk staff, and entered into the program that generates the unlock code. The unlock code is then given to the recipient who enters it at their PC.

If the nCode file or CD is protected with NMS for PC, it will check whether the receiver's PC has the NMS for PC software installed with the same Product Encryption Key (PEK) as the sender's PC. If it does, the nCode file or CD is read automatically. If not, the attachment or CD cannot be read.

NMS nCode Reader copies the email attachment's contents to the specified location. A secure CD's contents are read straight from the CD. Decryption is transparent to the authorised end-user.



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