

# **[hiddn]<sup>TM</sup> Laptop (LT)**



## **Installation and User Guide**

Off-the-shelf version with two random generated Smartcards (keys) included

**VERSION 1.2**

Thank you for purchasing the **[hiddn]<sup>TM</sup> Laptop!**

Please take the time to read this Guide carefully as it contains important information on how to use the **[hiddn]<sup>TM</sup> Laptop (LT)**.

## 1) Introduction

**[hiddn]<sup>TM</sup> LT** safeguards your data anywhere. All data stored on the **[hiddn]<sup>TM</sup> LT** will be encrypted, and without the Smartcard the data cannot be decrypted.

### Box Contents

- 1 **[hiddn]<sup>TM</sup> LT** Unit
- 1 “User Smartcard” and 1 “Backup Smartcard”

## 2) System Requirements

The **[hiddn]<sup>TM</sup> LT** unit you have purchased requires that your computer has a side mounted SATA hard disk drive. If in doubt, please consult your computer manufacturer’s manual for guidance.

## 3) Installation

Installation of the **[hiddn]<sup>TM</sup> LT** is a two part process.

- The unit must first be physically installed in your computer, before it can be *initialized*.
- The initialization procedure is performed once physical installation is complete, enabling the **[hiddn]<sup>TM</sup> LT** to recognize the *User Smartcard*.

## 4) Physical Installation

1. Power off the computer.
2. Remove the hard drive cover from the outside of the computer. Please note that this cover (without being modified) should not be put back on after the installation, as it would block access to the slot to the Smartcard of the **[hiddn]<sup>TM</sup> LT**.
3. Remove the original hard drive from the computer.
4. Gently insert the **[hiddn]<sup>TM</sup> LT**, making sure it is inserted the same way as the original hard drive was installed
5. Press firmly at the end of the **[hiddn]<sup>TM</sup> LT** to ensure that the connector is properly inserted.

The physical installation has now been completed (it is recommended to add a modified cover).

## 5) First-time Initialization

The first time you are using the [hiddn]<sup>TM</sup> LT, you must perform an *Initialization procedure* where you enable the unit to recognize the User Smartcard. Please follow the instructions below carefully.

1. Power on the computer
2. Observe that the status LED of the [hiddn]<sup>TM</sup> LT shows a steady yellow light.
3. Wait for any BIOS-communication to finish and wait for the computer (PC / Laptop) to ask for a bootable device - to ensure a smooth initialization process not interfered by any other communication.
4. Gently insert (and remove) the *User Smartcard* 4 times with the chip side facing down (leave it inserted for some seconds every time), and leave it inserted upon the 4<sup>th</sup> insertion.  
During insertion the LED will blink yellow and green, but shortly after the 4<sup>th</sup> insertion it will change to a steady green light (make sure to leave it inserted for at least 15 seconds).
5. Once the status LED shows a steady green light, power off the computer and power back on, ensuring the *User Smartcard* is inserted.
6. Observe the status LED shows a steady green light.
7. The computer is now ready for normal operation and the [hiddn]<sup>TM</sup> LT will operate as any other hard drive as long as the Smartcard is inserted

**NOTE:** *Always store the User and Backup Smartcards in a safe place once you have removed it from the computer.*

## 6) Use of the Backup Smartcard

If you ever lose the *User Smartcard*, you can use the *Backup Smartcard* to get access to your data. Before using the *Backup Smartcard* for normal operation, you must initialize it. To initialize, follow steps 1 – 7 in section 5).

After initialization, the *Smartcard* can be used for normal operation as if it was the *User Smartcard*.

### **IMPORTANT**

Please note the following when using your [hiddn]<sup>TM</sup> LT:

- The [hiddn]<sup>TM</sup> LT is delivered with two Smartcards containing random generated encryption keys.
- HDD can IN NO CASE reproduce either of these Smartcards, if lost or rendered unusable by customer.
- If the User Smartcard is lost or becomes unusable, it is strongly recommended to use Backup Smartcard to make a backup of your data stored on the device to another storage device. Then a new set of Smartcards should be ordered (see below).

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- A NEW set of User and Backup Smartcards can be ordered from HDD. This will NOT give access to any data stored prior to using this new set of Smartcards (all data stored with previous Smartcards will be lost unless you have made a backup that can be restored onto your storage device after the new set of Smartcards is initialized).
- If your organization has access to **[hiddn]<sup>TM</sup> Key Management System**, lost or unusable cards can be substituted (reproduced).
- HDD accepts no responsibility for any data lost or left inaccessible due to loss or misuse of Smartcards.

HDD offers a Key Management System (KMS). This proprietary administrative utility system is for managing lifecycle functions of **[hiddn]<sup>TM</sup>** Smartcards and the accompanying **[hiddn]<sup>TM</sup>** products. It is designed for larger organizations, value added resellers, IT managers of business organizations and other organizations deploying **[hiddn]<sup>TM</sup>** technology. The KMS is delivered as a dedicated workstation (a server configuration of KMS is optionally available).

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