



# RFIDDiscoverLite Release Note

V4.6.0.0

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## Document information

Info	Content
Version	4.6.0.0
CUSTOMER	External
Doc Name	Release Note
Doc Purpose	RFIDDiscoverLite release details.
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## 1. Products Support Package

The install package of the program "RFIDDiscoverLite V4.6.0.0". This version of "RFIDDiscoverLite" contains the product pages for

- MIFARE Ultralight C, EV1 & NANO,
- MIFARE Classic
- MIFARE Plus & EV1,
- MIFARE DESFire Light, EV1 & EV2,
- ICODE SLI(X), ICODE SLI(X)-L, ICODE SLI(X)-S, ICODE SLIX2 & ICODE DNA
- NTAG 20x, 21x, 210U, 213 Tag Tamper, I2C, I2C Plus, 413 DNA, 424 DNA & TT & NDEF Messaging

This program can be used for demonstration of the above said products.

All values of input/output parameters in product pages are represented in hexadecimal unless explicitly specified on the GUI.

The program is tested with the following readers:

- NXP Pegoda CL RD701 with firmware version NXP Semiconductors 2009-07-07 V2.11
- NXP Pegoda RD710 Design in Kit, Driver Date 2010-11-24, Driver Version 6.1.7600.16385. Firmware version 02.02.07.
- CETRTA POT CM1/TP/H with RC663

Please find directions on the first steps on how to use "RFIDDiscoverLite Version 4.6.0.0" in the "Quick Startup Guide for RD710" at: [http://www.nxp.com/documents/application\\_note/AN10992.pdf](http://www.nxp.com/documents/application_note/AN10992.pdf)

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The product support package contains the below mentioned components.

Components	Description
libeay32.dll (1.0.0e)	Used to verify the uniqueness of SmartTags & cards
AvalonDock.dll (1.2.2691.0)	Used for Application User Interface Docking
Fasterflect.dll (1.0.0.0)	API used for Reflection Invocation.



## 2.Release Content

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### 2.1 Implemented modifications

A high-level Description of the changes are as follows,

Referenced the latest Reader Library file(s) public build using x86 Mode

- NxpRdLibnet.dll v14.2.0.1910
- NxpRdLib.dll v14.2.0.1910

Look and feel of RFIDDiscoverLite is upgraded with features like,

- New Logo on left in Card navigation bar introduced
- Application background upgraded
- Introduced Protocol Button to open Protocols in left navigation
- Reader Button to open Reader features in the Main window (Open/Close Profile)
- Card Navigation configuration to select/unselect cards.
- Quick Sequence Buttons Look and feel change (i.e. Field On, Field Off, RF reset, Activate Idle, RATS+PPS)
- Slider control introduced for Hardware / Software key store selection.
- ToolTip icons and ToolTip windows introduced with command execution procedure.
- Log messages are highlighted with different color coding
- News Feed from <https://www.mifare.net/en/feed>

Implementation of Change Requests and Problem Request



## 2.3 Install Instructions

Run the "SetupRFIDDiscoverLite\_V4.6.0.0" installer.

- The Installer "SetupRFIDDiscoverLite\_V4.6.0.0" tries to install Microsoft .NET Framework 4.0 if not already installed by using Net-Installers.
- If you have limited or no network connection to download and install the Microsoft .NET Framework 4.0, the setup process is terminated, and you must install the Microsoft .NET Framework 4.0 manually.
- Further information how to get and install the Microsoft .NET Framework 4.0 at:  
<http://www.microsoft.com/downloads/en/details.aspx?FamilyID=9cfb2d51-5ff4-4491-b0e5-b386f32c0992>
- The installation process requires administration rights.
- The Installer "SetupRFIDDiscover\_V4.6.0.0" tries to install Microsoft Visual C++ 2010 Redistributable Package (x86) if not already installed by using Net-Installers.
- After you have successfully installed the program "RFIDDiscoverLite" and all its required components you can start "RFIDDiscover" via the link
  - "Start -> All Programs -> NXP Semiconductors -> RFIDDiscover -> V4.6.0.0\_Lite -> RFIDDiscover"
- For support please send an email to (rfiddiscover.support@nxp.com).



### 3.Revision History

Revision Version	Artifacts & Fix details
RFIDDiscoverLite V4.6.0.0 Build 08.03.2019	<ul style="list-style-type: none"><li>- Look and feel for the application is updated.</li><li>- Included support for ICODE DNA</li><li>- Include support for DESFIRE Light, NTAG 424 DNA &amp; NTAG 424 DNA TT</li><li>- Implementation of Change requests and Problem fixes.</li></ul>
RFIDDiscoverLite V4.1.0.0 Build 1.10.2015	<ul style="list-style-type: none"><li>- Included support ICODE Products.</li></ul>
Version 3.1.0_NonExportControlled Build: 04.12.2012	<ul style="list-style-type: none"><li>- Included support for Ultralight EV1.</li></ul>
Version 3.0.1_NonExportControlled Build: 11.08.2011	<ul style="list-style-type: none"><li>- Fixed the issue of MIFAREDiscover v3.0.0 crash for few users when KeyStore Manager was clicked</li><li>- Fixed issue of late closing of MIFAREDiscover v3.0.0 for few users, when private folder (e.g. My Documents on Windows XP) was stored on other computer over network.</li><li>- Fixed issue of text cutting on Access Conditions dialog for Windows 7 and Windows Vista.</li></ul>
Version 3.0.0_NonExportControlled Build: 07.07.2011	<ul style="list-style-type: none"><li>- Included support for MIFARE Classic and MIFARE Ultralight products.</li></ul>



## **4. Known Issues and limitations**

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1. ICODE:
  - SLIX2 - Extended mode feature is not supported.
2. SAM
  - Only GetVersion Command is supported when SAM S Mode or X Mode is enabled. Remaining products features will be in disabled state.





## 4.1 Abbreviations and terminology

Table 1: Abbreviations and terminology

Abbreviation	Description
PSP GOP	Product Support Package Generic Object Platform
MFC	MIFARE Classic
MFP	MIFARE Plus
MFUL	MIFARE Ultralight
MFDF	MIFARE DESFire
NxpRdLib	Nxp Reader Library
NxpRdLibNet	C# wrapper for Nxp Reader Library
MF	MIFARE
SAM	Secured Access Module