Spider RFID Reader update service



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Congratulations on your selection of the Spider RFID Reader update service. We are certain you will be pleased with your purchase of one of the flexibele solutions of the market.

We want to help you get the best result from your Spider RFID Reader update service. This manual contains information on how to do that; please read it carefully. Due to continuous product improvements this manual is subject to changes without notice.

We strongly recommend you read the license agreement to fully understand its coverage and your responsibilities of ownership.

Your dealer is dedicated to your satisfaction and will be pleased to answer your questions and your concerns.

Best wishes,

inepro B.V.

Spider RFID Reader update service - Technical Manual | EN

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inepro[®] Spider RFID Reader update service

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The **inepro** Card Reader Update Service can be installed on your server or workstation. It is used to remotely upload new firmware or another configuration to the Spider RFID reader(s) and/or inepro SCR708(s) attached to a Ricoh MFP device featuring the Smart Operation Panel (SOP). With the **inepro** Card Reader Update Service you are able to remotely update the reader without leaving your workplace and more importantly without physically going to all the devices / readers and having to connect a laptop or to introduce an update RFID tag.

This manual is for the Ricoh SOP Generation 2.0 and 2.5/3.0 and will instruct you on how the service can be installed and used.



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Prerequisites

Ricoh

- Ricoh MFP with Smart Operation Panel Generation 2.0 or 2.5/3.0.
- MFP must have an SSL certificate enabled
- Smart SDK firmware on **Ricoh MFP 2.40** or higher
- System firmware on **Ricoh 1.0** or higher, SSL enabled
- Application System firmware on **Ricoh MFP 1.16** or higher

inepro

- inepro Spider RFID Reader service setup (this will include the latest version of the Remote Embedded Deployer (RED) tool and the inepro reader plugin.zip).
- A*.firmware /*.digest file packet to update the firmware.
- A *.readerconfig file (or an *.advancedreaderconfig file) to update the configuration.
- Spider RFID reader(s) and/or inepro SCR708(s)

Server ports

- incoming (from server executing installation) TCP 8080*
- * Port 8080 is the default port, it can be configured to another value.



OS

Microsoft Windows

Please make sure the prerequisites are met, before continuing.

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inepro[®] Installation

Spider RFID Reader Update Service

The Spider RFID Reader Update Service is a live service will run in the background. The Inepro Reader Plugin, will be installed on the Ricoh device and connects to this service automatically.

To complete this installation we will:

- Install the Inepro Spider Update Service. This will also install the Remote Embedded Deployment Tool and bring the Inepro Reader plug-in.zip as a baggage file
- Use the Remote Embedded Deployment Tool to install the reader plug-in on the Ricoh MFP (if necessary)
- Update the Spider RFID reader(s) and/or inepro SCR708(s)

These steps will be described in details in the following sections.

Installation

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inepro Spider Update Service

Installation process - inepro Spider Update Service

- 1. Obtain the latest versions of these files from your Inepro dealer: "IneproSpiderUpdateServiceSetup-54.3.0.exe" (or a higher version). This file will also set up the Inepro Reader Plugin and the Remote Embedded Deployment Tool, so there is no need to obtain these files separately.
- 2. Run the Inepro Spider Update Service Setup:

Setup - Inegro Spider Update Service bundled with RED tool	Setup - Inepro Spider Update Service bundled with RED tool Ready to Install Setup is now ready to begin installing Inepro Spider Update Service bundled with Repro Click Install to continue with the installation. Back Install Cancel Back Install Cancel	Setup - Inepro Spider Update Service bundled with RED tool Peparing to Install Setup is presaring to install Inepro Spider Update Service bundled with RED tool Pepro Setup is presaring to install Inepro Spider Update Service bundled with RED tool Pepro Setup is presaring to install Inepro Spider Update Service bundled with RED tool Pepro Setup is presaring to install Repro Spider Update Service bundled with RED tool Pepro Setup is presaring to install Repro Spider Update Service Dava(TM) Patform SE bunary Compared Technology does the applications Do not does the applications Back Next Cancel
Agree to the License Agreement, click 'Next'	Click on 'Install'	(Optionally) some application need to close, confirm with 'Next'.
Setup - Inepro Spider Update Service bundled with RED tool Repro Installing Polos you compute. Extracting files C.YProyam Files Theoro (Tools BetupAssistent.exe C.YProyam Files Theoro (Tools BetupAssistent.exe)	Setup - Incerco Spider Update Service bundled with RED tool	Setup - Inepro Spider Update Service bundled with RED tool
Let the install process run	Fill out the local IP address and port number, by default 8080. Click 'Save' to confirm	Click 'Finish' to end the installation process

3. Run the inepro Spider RFID Reader Update Service. By running the

"IneproSpiderUpdateServiceSetup-54.3.0.exe" (or a higher version), the server is started in the background. In the windows task bar tray, you can open the UI of the service. Please note the listening port (by default 8080), it is possible to adjust this port to any port number preferable, please make sure incoming traffic from the Ricoh device over the configured TCP port is possible on this machine (most likely you'll need to configure your firewall for this)

Installation

inepro Spider Update Service



Installation

inepro Reader Plug-in

Installation process - inepro Reader Plug-in

Install the ineproReaderPlugin (that came with the **inepro** Card Reader Update Service) on the Ricoh device. The plug-in can be installed on any Ricoh Device in the network, using the Remote Embedded Deployer tool (that also came with the **inepro** Card Reader Update Service) per device or in bulk.

Location of key files

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The program files are in this folder: '%ProgramFiles%\Inepro\Tools', by default this resolves to 'C:\Program Files\Inepro\Tools'.



The shortcuts to the Remote Embedded Deployer tool and the Spider RFID Update Service can be found in the Start menu under 'Inepro Tools'.

Starting the Remote Embedded Deployer

- 1. Open the Remote Embedded Deployer (start Remote Embedded Deployer.exe).
- 2. The Business server Address is not needed for this application, so can be ignored by pressing CANCEL:

Set default Business Se	erver IP address		
efault Business Server address			



Installation

inepro Reader Plug-in

Add an MFP device

1. Go to settings and activate "configure card reader"

봂 Remote	Embe	dded Deployer					-		\times
File Devices	Sett	ings Help							
		Force installation						_	
		Install only							
		Auto save mode >							
		Auto load			4 D 6 I	-			
	~	Configure Card Reader	le or add devices manually		U Refresh	W Remove	+ Add		
		Business Ser∖ Do configura Language	tion for inepro card readers on deployment. Serial number Model	Status	Details				

A Warning! This setting will make sure that the card reader is configured and activated in the Smart Operation panel.

Even when the card reader is already configured on the Smart operation panel of the device, always activate this option.

Now add the available devices in the network, even when a device is (not yet) connected to the network, the device can already be added to the deployment tool.

2. Press the + ADD button:

es Settings Help					
Devices					
Import douis	es from file	or add devices manually	t Refresh	🗑 Remove	+ Add
1/1 selected		•			
1/1 selected	Note	Serial number Model	Status	Details	

inepro[®] Installation

inepro Reader Plug-in

- 3. In the following screen, provide all required information:
 - a. Correct WIM (Ricoh's Web Image Monitor) user name (default: admin)
 - b. Correct WIM password (default: empty)
 - c. IM Device -> Check this option when a IM (SOP G2.5/G3.0) is used
 - d. Allow Self-signed certificates -> Always enable this setting
 - e. Remote Password of the device (Advised is to not change this password in the device, only if necessary)
 - f. Note, not required
 - g. Import -> Text or CSV file with a list of IP address (list has no maximum number of IP addresses)
 - h. Add IP, provide an IP address to manually add the MFP to the list. For convenience it is possible to keep providing the last digits of the IP addresses and quickly add the IP address by pressing ENTER.
- 4. Once all information is provided and IP addresses added, press OK (see item i in the image below).



Deploy IneproReaderPlugin.zip

Note: The devices which are online will be shown with states: "IDLE", the devices which are not online at that moment will be displayed with an ERROR:

3/3	selected						
	IP	Note	Serial number	Model	Status	Details	
\checkmark	10.0.0.77				Idle		
\checkmark	10.0.0.78				Error	Device not reachable	*
							×

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Installation

inepro Reader Plug-in

- 1. Make sure all the devices that need to receive the plug-in are online.
- 2. Select the 'IneproReaderPlugin.zip' to deploy to the device, by clicking on BROWSE and look up the file, or drag the correct Zipfile to the "drag&drop" area

🔄 jre	
logs	
📱 IneproReaderPlugin_ 🛛 .zip	
🔜 IneproSpiderUpdateService.exe	
🛃 Remote Embedded Deployer.exe	
SetupAssistent.exe	
unins000.dat	
↓ unins000.exe	
Amiliation	
Applications	
Drag-and-drop or browse to add Inepro software packages	🗑 Remove 😡 Browse
Add an ap	plication file or application bundle (.zip) to the Application list

3. Select the 'IneproReaderPlugin.zip' zip file, make sure it is version 7.30.1 or newer:

Note: Once the application is added to the tool, it will be displayed as following:

☑ Title	Version	File name	Product ID
🗹 Inepro Card Reader	7.29.1	IneproReaderPluginzip	1661403147

4. Select to which MFP's the application needs to be deployed and press Deploy

1/1 selected					
☑ IP	Note	Serial number	Model	Status	Details
10.4.1.89			IM C2000	Idle	

Note: The inepro reader plug-in will now be deployed to the selected devices. And directly the card reader will be configured to be used with any embedded application.

This process will take approximately 10 minutes per MFP including reboot(s). Multiple MFP's will be deployed and configured simultaneously.

During the process the status and details of the device will be changing ongoing:

Status	Details
Busy Rebooting	Rebooting since 2:45:44 PM

Installation

inepro Reader Plug-in

When the deployment is finished the Status will be idle and the at Details the software will display Successful:

IP IP	Note	Serial number	Model	Status	Details	
10.0.0.77		C507P604136	MP C307	Idle	Successful	~

5. When you double-click on the device, the status will be provided including the installed applications:



Installation

inepro Reader Plug-in

Now the card reader will also be configured on the device as shown below:

	Logged in: Ma	chine Administrator	Logout 🚺
< 😵 Proximity Card Reader Settings			
Card Reader Info	Auth.	Software to Use	
USB Card Reader VENDOR_ID: 1DA6, PRODUCT_ID: 0110	>	Inepro Card Reader Inepro card reader service.	
ئ	谷		

i Note: When Ricoh Streamline NX is used, this setting will be overwritten by Ricoh Streamline NX on reboot. Please check <u>Appendix B: Inepro Remote Management Tool</u> 31, for additional required settings.

inepro[®] Update

Updating Devices

In this section we will show you the methods you can use to update the Spider RFID reader(s) and/or inepro SCR708(s)

The Spider RFID reader(s) and/or inepro SCR708(s) connected to the Ricoh MFP's can be updated in these ways:

- Automatically; every inepro reader plug-in will check with the Spider RFID Reader Update Service every three hours to update (if needed) -> Method 1
- Manually select one or more Spider RFID reader(s) and/or inepro SCR708(s) in the Remote Embedded Deployment tool and manually trigger the related inepro plug-ins to update their readers via the Spider RFID Reader Update Service -> Method 2
- Manually per device, via the Embedded Web Interface -> Method 3. This method requires no additional resources.

Note: The Spider RFID Reader Update Service (Methods 1 & 2) currently does not support password-protected Spider updates. To update readers that are password-protected, please refer to the update manual via the Embedded Web Interface (Method 3).

▲ Warning! If the firmware update is aborted for any reason (for example when a Spider firmware is used to try to update an SCR708 reader or vice versa) then the update of the configuration file (Reader config) will also be aborted! So when attempting to update both the firmware and the config file make sure that the firmware that is updated, is not aborted. And prevent firmware abortions by making sure not to update both Spider RFID and SCR708 RFID readers in the same batch.

Select one of the methods and check the relevant chapter.

1 - Automatic via update service

Automatic Update via update service

Follow the next steps to enable the (automated) updates via the **inepro** Spider RFID Reader update service:

Location of key files

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The program files are in this folder: '%ProgramFiles%\Inepro\Tools', by default this resolves to 'C:\Program Files\Inepro\Tools'.



The shortcuts to the Remote Embedded Deployer tool and the Spider RFID Update Service can be found in the Start menu under 'Inepro Tools'.

Starting the inepro Spider RFID Reader Update Service

1. Start the **inepro** Spider RFID Reader Update Service, by clicking the executable.



2. Open tray icons and click on the Inepro Spider Service tray icon to open the GUI (window) of the **inepro** Spider RFID Reader Update Service. Leave the GUI open.



1 - Automatic via update service

Preparing Ricoh MFP's

- 3. (Re)open the Remote Embedded Deployer tool (double-click the 'Remote Embedded Deployer.exe' file).
- 4. Select the device(s) which needs to be activated:

Devices					
Import device	s from file	or add devices manually		🙂 Refresh 👘 f	Remove 🕂 Add
🛛 IP	Note	Serial number Model	Status	Details	
10.4.1.89			Idle		

When the required devices are not available in the overview, <u>please follow the 'add an MFP'-procedure</u> 10 from the installation process

5. Open the Devices Menu and select: "Set Reader Update API URL"

🛃 Remote Embedded Deployer							
File Devices Settings Help							
Set Business Server address							
Set Reader Update API URL		_					
Trigger Ri Sets the Reader API	URL on the device to	enable remot	te card reader upda	ites.			
Set SP settings							
Set Card Reader settings	Import devices f	rom file or	add devices man	wally			★1 Defresh 🗃 Demove 📥 Add
Reboot devices	Import devices i	Tom the or	add acvices mai	luuliy			Witchieve + Aud
Uninstall all inepro apps	1/1 selected						
	🖾 IP	Note	Serial number	Model	Status	Details	
	10.4.1.89						

- 6. In the Reader Update API URL, fill in the base URL of the **inepro** Spider RFID Reader Update Service, in the form **http://<host name>:<port> or http://<IP address> :<port>**
- 7. Use the **host name or IP address** of the device where the **inepro** Spider RFID Reader Update Service is started

Reader Update API URL						
Set Reader Update API URL for Devices						
http://10.0.0.149:8080						
ОК	Cancel					

Note: When you change this setting (the IP-address and port) and click OK, this will be stored as the new address (and port). The MFP will try listen for new update notifications at this address also and download a new version here if it is notified that a reader update is available.

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1 - Automatic via update service

i Note: The base URL is persisted in the Ricoh device across reboots, which should prevent having to reconfigure this URL. However, after manually removing and re-installing the plug-in, you may need to reconfigure this URL.

When successfully configured, the reader information will be visible in the UI of the **inepro** Spider RFID Reader Update Service, check this! (See image below).

Rep	Reported readers (found: 1)							
\checkmark								
_								
	Serialnumber	Firmware version	Configuration					
	C6CAB49F2A305778	1.0.0	Generic V2.0					

i Note: The reader(s) will only be visible directly <u>when the GUI was opened previously</u> [16], when not opened, the reader(s) will only be visible once an update is triggered.





1 - Automatic via update service

Setting the firmware files

- 1. Click on 'Upload Firmware' to upload the firmware files. Make sure to upload both the files that are needed, they must be selected together, a *.digest and a *.firmware file.
- 2. Click 'Open'.
- 3. Green check marks should appear next to the digest and firmware files (see image).

					– 🗆 X
Upload Firmv	vare and Digest F	le		×	
Look in:	Desktop	•	← 🗈 💣 📰▼		8080
Quick access Quick access Desktop Libraries Libraries This PC	Name	o_ digest o_ firmware	Date modified 1-8-2022 16:43 1-8-2022 16:43	Type DIGE: FIRM	apply Reader firmware firmware file upload firmware
Network	File name:	1	•	Open	Preaderconfig
	Files of type:	fimware and digest		Cancel	config file
			-		upload config

Note: Once used these files are stored in the Program Data directory. If you feel you the need to delete (some of) these files read <u>'Appendix A: Deleting files</u> [30].



Setting the configuration files

Update

- 1. Click on 'Upload Config' to upload the configuration files. A*.readerconfig file (or an *.advancedreaderconfig file) is required.
- 2. Click 'Open'.

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3. A green check mark should appear next to the config file (see image).

					– 🗆 X
Upload Confi	g File			×	
Look in:	Desktop	•	← 🗈 💣 📰▼		8080
4	Name	^	Date modified	Туре	apply
		.readerconfig	21-4-2015 17:36	READ	
					Reader firmware
Deskton					.firmware
					firmware file
Libraries					French Else
					aigest file
					upload firmware
	<			>	Reader config
Network	-				
	File name:	readerconfig		Open	readerconfig
	Files of type:	readerconfig (or advancedread	erconfig) 💌 🔤	Cancel	config file
		Open as read-only			
			-		upload config

The service should now be up and running and ready to receive request for updates.

Warning! Please make sure the reader configuration has a unique name and the file has the same name as the configuration. An unnecessary update may trigger to overwrite the configuration, while the configuration is the same.

Warning! In the User Interface you will find the active files that are used to update the readers in the panel on the right side. The main window shows a list of readers that have reported for an update and received it.

▲ Warning! If the firmware update is aborted for any reason (for example when a Spider firmware is used to try to update an SCR708 reader or vice versa) then the update of the configuration file (Reader config) will also be aborted! So when attempting to update both the firmware and the config file make sure that the firmware that is updated, is not aborted. And prevent firmware abortions by making sure not to update both Spider RFID and SCR708 RFID readers in the same batch.

Note: The reader(s) will only be visible directly <u>when the GUI was opened previously</u> [16], when not opened, the reader(s) will only be visible once an update is triggered.

Note: The Spider RFID Reader update service is not a Windows service and is not automatically started when the workstation or server is (manually or automatically) rebooted. So always make sure that the service has been started.

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2 - RED tool triggered

Update service triggered via RED tool

Follow the next steps to trigger updates by the **inepro** Spider RFID Reader update service via the Remote Embedded Deployer tool:

Location of key files

The program files are in this folder: '%ProgramFiles%\Inepro\Tools', by default this resolves to 'C:\Program Files\Inepro\Tools'.



The shortcuts to the Remote Embedded Deployer tool and the Spider RFID Update Service can be found in the Start menu under 'Inepro Tools'.

Starting the inepro Spider RFID Reader Update Service

1. Start the **inepro** Spider RFID Reader Update Service, by clicking the executable.



2. Open tray icons and click on the Inepro Spider Service tray icon to open the GUI (window) of the **inepro** Spider RFID Reader Update Service. Leave the GUI open.(re)open the Remote Embedded Deployer tool



2 - RED tool triggered

Trigger the MFP's

1. Select the device(s) which needs to be activated:

Devices					
Import devices	from file o	or add devices man	ually		to Refresh 遭 Remove
🛛 IP	Note	Serial number	Model	Status	Details
10.4.1.89				Idle	

When the required devices are not available in the overview, please <u>follow the 'Add MFP'-procedure</u> 10 from the installation process

2 - RED tool triggered

2. Open the Devices Menu (or right-click on the reader and use the context menu) and select: "Trigger Reader Update"

📩 Remote Embedded Deployer						
File Devices Settings Help						
Set Business Server address						
Set Reader Update API URL						
Trigger Reader Update	Devices					
Set SP settings Triggers	the device to downlo	ad the lates	t firmware and config	from the configured	I API.	
Set Card Reader settings Reboot devices	Import devices	from file o	or add devices man	ually		
Uninstall all inenso apps	1/1 selected					
of miscan an mepro apps	IP 🕺	Note	Serial number	Model	Status	Details
	10.0.0.77		C507P604136	MP C307	Idle	Successful

Devices

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Import devices from file or add devices manually

IP I	Note	Serial number	Model	Status	Details	
10.0.3.71			MP C307	Idle	Successful	0
✓ 10.4.1.89		3089R 110716	IM C2000	Idle		Open WIW Set Business Server address
						Set Reader Update API URL
						Trigger Reader Update
						Change device properties

Note: After a trigger, the plug-in will send the current card reader information to the server. The server compares the files with what is currently in the folder. If an update is necessary, the server will respond by sending download links back to the plug-in. The plug-in will download these files and push the updates to the reader. How long the update takes depends on the size of the firmware / configuration files and the network speed but should maximally take about 40 seconds.

Note: The 'Successful ' message appears very quickly. This only indicates the trigger succeeded, it does not indicate the status of the actual reader update. If the trigger was not successful, it probably indicates the device was not reachable.

Note: The **inepro** Spider RFID Reader Update Service GUI can be used to see the actual version of the reader firmware and the loaded configuration.

Note: Once the GUI of the **inepro** Spider RFID Reader Update Service has been closed, the reader information will only be displayed again after (re)opening the GUI **and** one of the following conditions:

- a. Reboot of the device
- b. Set update API URL
- c. Manually update triggered
- d. Automated update triggered (every 3 hours)



3 - Update with Web Interface

This method does not require you to run ineproupdateservice.exe.

Be sure to have

- Avalid *.firmware, a *.digest file if you are going to update the firmware
- A valid *.readerconfig file (or an *.advancedreaderconfig file) if you are going to update the configuration.
- The Web Image Monitor (WIM) credentials for your Ricoh machine.

Firmware update

1. Navigate to the RFID reader page of the MFP:

The address is as following: http://<IP ADDRESS>/rws/sop/inepro/cardreader for example:

http://10.0.0.77/rws/sop/inepro/cardreader

The following page will be opened:

	English 🛨
User Name	
0 - 1	
Password	
Log	lin

inepro powered

The web page will show the version of the **inepro** reader plug-in, provides a language selection and a login screen.

The login credentials are equal to the login credentials of the Web Image Monitor (WIM) of the device. By default, the user name is: 'admin' and the password is blank ('').

Note: Both the user name and password are case-sensitive! So make sure to write 'admin' with a lower case 'a'.

2. Provide the login credentials and click on Login

Update

3 - Update via the Web Interface

The next view will display the following information:

Upload		Technical Details	
 Card Reader Service Configuration Card Reader Firmware Card Reader Configuration 		Device Model Name Device Serial Number Business Server	MP C307
Please select '.readerconfig' / '.advancedread	derconfig' file	Card Reader Configuration Card Reader Firmware Version Card Reader Name Card Reader Status	CCF49401_OSP Omni Reader Ready
D Browse		Encryption Key Used Last Update	False Successful readerconfig

The options to update the firmware or the configuration

The details of the device and the reader. There may not be a 'Last Update' section.

i Note: If this reader was never updated before, the 'Last Update' section in 'Technical Details' will be omitted.

3. To update the card reader firmware, select the Card Reader firmware option and select **browse**. Select both the digest and the firmware file and click on **Open**:

C Open									×
\leftarrow \rightarrow \checkmark \Uparrow \blacksquare > This	PC > Local Disk (C:) > Sp	ider > Download >	Firmware	~	ō	⊳ s	earch Firmware		
Organize 🔻 New folder	r						=== -		?
Microsoft Teams ^	Name		Date modified	Туре	Size				
Notebooks	spider_multiiso_	.digest		DIGEST File		1 KB			
Recordings	spider_multiiso	.firmware		FIRMWARE File		498 KB			
SCR708									
Training source f									
💻 This PC									
3D Objects									
Desktop									
Documents									
🕹 Downloads									
b Music									
E Pictures									
Videos									
Local Disk (C:)									
*									_
File na	me: "spider_multiiso	.firmware" "spider	_multiisodi	gest"	\sim	Custor	n files (*.digest;'	*.firmwa	r ~

Update

3 - Update via the Web Interface

Now the selected firmware version will be displayed, and the **Upload** button will appear:

Jpload	
 Card Reader Service Configuration Card Reader Firmware Card Reader Configuration 	
Card Reader Firmware Version selected to up	pload: spider_multiiso_
D Browse	✓ Upload

4. Click on **Upload** to update the reader with the selected firmware, during the update a progress bar will be shown.

When the update is finished, the following information will be displayed:

Technical Details	
Device Model Name	MP C307
Device Serial Number	COLUMN 201
Card Reader Configuration	Generic V2.0
Card Reader Firmware Version	2.0.1.000
Card Reader Name	Spider
Card Reader Status	Ready
Encryption Key Used	False
Last Update	Successful
	spider_multiisofirmware

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3 - Update via the Web Interface

Configuration update

With the Spider Web interface it is also possible to update the configuration remotely, follow these steps:

 Navigate to the RFID reader page of the MFP: The address format is as following: http:// <IP ADDRESS> /rws/sop/inepro/cardreader

for example:

http://10.0.0.77/rws/sop/inepro/cardreader
The following page will be opened:

Update

	English 🚽
Luser Name	
Password	
Log	Jin
powered	

i Note: The web page will show the version of the **inepro** reader plug-in, provides a language selection and a login screen.

The login credentials are equal to the login credentials of the Web Image Monitor (WIM) of the device. By default, the user name is: 'admin' and the password is blank ('').

Note: Both the username and password are case-sensitive! So make sure to write 'admin' with a lower case 'a'.

2. Provide the login credentials and click on Login



3 - Update via the Web Interface

3. The next view will display the following information:

Upload		Technical Details	
Card Reader Service Configuration Card Reader Firmware Card Reader Configuration		Device Model Name Device Serial Number	MP C307
Please select '.readerconfig' / '.advancedrea	derconfiq' file	Business Server	10.4.1.24
Reader password	Password	Card Reader Configuration Card Reader Firmware Version Card Reader Name Card Reader Status	CCr49401_OSP Omni Reader Ready
ි Browse		Encryption Key Used	False
		Last Update 🗸	Successful readerconfig

The options to update the firmware or the configuration

The details of the device and the reader

4. To update the card readers' configuration, select the Card Reader configuration option and select **browse**. Select required configuration file and click on **Open**:



3 - Update via the Web Interface

5. Now the selected configuration will be visible and the **Upload** button will appear, press **Upload** to start the configuration update for this reader:

Upload	
 Card Reader Service Configuration Card Reader Firmware Card Reader Configuration Card Reader Configuration selected to upload to uplo	ad: 3rd_Party_Config_Decimal_ENTER
Reader password	Password
စ္ဘါ Browse	🗸 Upload

During the update a progress bar will be shown.

When the configuration update is finished, the following information will be displayed:

Technical Details		
Device Model Name		MP C307
Device Serial Number		COLUMN STREET, DR
Card Reader Configuration		3rd_Party_Config_Decimal_ENTER
Card Reader Firmware Version		1.0.1.2008
Card Reader Name		Spider
Card Reader Status		Ready
Encryption Key Used		False
Last Update	~	Succesful
		3rd_Party_Config_decimal_ENTER.readerconfig

INEPTO[®] Appendix A: Deleting files

Appendix A: Deleting files

By default all firmware and configuration files are kept and can be selected the next time you need them. When you are sure you will no longer need (some of) these files, you might want to delete these files. If you do...

1. Go to '%ProgramData%\inepro\SpiderUpdateService\', this will resolve by default: 'C: \ProgramData\inepro\SpiderUpdateService\'.



Here all the firmware and configuration files can be found and deleted.

2. Delete the files that you need to delete.

Appendix B: Inepro Remote Management Tool

Appendix B – Ricoh Streamline NX required configuration.

When working with Ricoh Streamline, it is required to correctly configure the card reader in Streamline. If these steps are not correctly followed, the RFID reader will operate normally, but it will not be possible to perform a remote update.

How to configure Streamline:

- 1. Make sure the IneproCardReaderPlugin is deployed to the device previously.
- 2. Make sure version 3.7 (or higher) of Streamline is installed.
- 3. Logon to the management webpage of Streamline as an Administrator, including CE (Customer Engineer) privileges. When these privileges are correctly configured, the following message is displayed when login to Streamline:

?	You are logging in with an account which has Ricoh Customer Engineer privileges. This account is only authorized to be used by a certified Ricoh Customer Engineer and should not be used by anyone else. Please click OK to confirm your identity.
	OK Cancel

If this message is not displayed, please refer to the Streamline manuals and/or support, to enable the correct configuration.

	🣁 Server Settings
	Activation/Usage Report
	🧬 Display
	Mobile Device Access
	Wetworking
	💣 System Data Management
	Repository Management
	Oevice Log Management
	Email Addresses
	System Information and Settings
	Oriver Distribution
	Advanced System Settings Editor
	Delegation Server Settings
ler System):	💞 User Management and Accounting Setti

4. Open the Advanced System Settings Editor (under Syste

5. Click on the "+" symbol to add a new key:

Appendix B: Inepro Remote Management Tool



 Enter the following details: Key: core.ui.embedded.authentication.cisplugin.display Type: Boolean Value: True

Key*	: core.ui.embedded.authentication.cisplu	ugin.display
Type*	: Boolean	
Value	: true 👻	

- 7. Store this KEY by clicking on SAVE
- 8. Log off from the Streamline NX management console
- 9. Log in again to the Streamline NX management console
- 10. Open the card reader settings at the Embedded Authentication settings:

inepro[®]

Appendix B: Inepro Remote Management Tool

RICOH Streamli	ine NX			admin 👻	⇒) Logout	P	
A Device List (20)	Devices System Information and	nd Settings 🛛 Embedded Se	etting 🙁 Embedded Authentication 🗙				
A Discovery & Polling						13	9
➤ Configuration						C.	a
🖃 🥼 Configuration Templates	Name		Update Date Update by				
Standard Device Preferences	default		2023/02/02 12:12:39 system				-
Extended Device Preferences	<u> 4 </u>					_	•
Device-specific Preferences	 Embedded Authentication Propertie 	25					
Firmware	Authentication and Accounting						
SDK/J Platform							-
Embedded Applications	Configuration Name* :	default					
Address Book							
Log Collection =	Description :						
Configuration Tasks		-					Ξ
Streamline NX Embedded Settings	Individual-Auth-less Scan Mode :						
Embedded Login Screen	SLNX Scan Auto Reset Timer :		60 🗘 second(s) (10 - 999)				
Embedded Authentication	Card Beadert :	Keyboard-emulatio	Card Reader Settings				
Authentication Priority List	Cald Reader .	Reybourd emanatio +	Card Reader Schnigs				L
Embedded Print	Auto Logout Timer :	\checkmark	60 \$ second(s) (No Auto Logout, 10 - 9	99)			
Embedded Setting	Login Screen* :	Default v					
🗉 📁 Streamline NX PC Client Settings 🧮							
Dashboards	Prioritized Application* :	SLNX Scan V					
∧ System	Login Method :						
∧ Workflow		Default Authentication Profile :	User Selects when Logging in 🗸				
∧ User Management		User PIN Login					
Server Management (1)							
A Dannete		Guest Login					

11. Provide the following Card Reader Settings: Vendor ID: 1DA6 Product ID: 0110 Version: <empty> CIS Pluging Name: com.ridp.usb.app

ard Reader Settings				
9 👄				
endor ID	Product ID	Version	CIS Plugin Name	
DA6	0110		com.ridp.usb.app	
				•
		OK Cancel		
	Reader Bettings			

Confirm with OK



12. Now Install the SLNX embedded client via configuration tasks



Appendix B: Inepro Remote Management Tool

- 13. If the Embedded client was previously installed, only a REBOOT or Reinitialize SLNX Embedded is required.
- 14. Now the card reader is correctly configured on the device and should look like this:

L KUARIO	U	ogged in: Mac	chine Administrator 🔒 🤗 Logout 🕻	
(🍪 Proximity Card Reader Settings				
Card Reader Info		Auth.	Software to Use	
USB Card Reader VENDOR_ID: 1DA6, PRODUCT_ID: 0110			Inepro Card Reader Inepro card reader service.	
	€	斎		

15. The reader is now available for remote updates.

Do not forget to remove the CE (Customer Engineer) privileges are removed from the ADMIN account.