



SMART*rc*

**Installation and
Configuration Manual**

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1. General Information

MIP (Milestone Integration Platform) plugins and applications are dynamically loaded from the Milestone applications and services, which allows a simple installation and use.

Using the Milestone MIP technology, the functionality of SmartRC is seamlessly integrated into the Milestone XProtect VMS without any need of additional Software.

The configuration is based on the underlying Smart Client Views and is overtaken by the Plugin.

Smart RC is available for Smart Clients connected to the following Milestone products:

- ➔ XProtect Express / Express+
- ➔ XProtect Professional / Professional+
- ➔ XProtect Enterprise
- ➔ XProtect Expert
- ➔ XProtect Corporate

Hardware:	
The same minimal requirements used for the Smart Client from Milestone will be needed. (See System Requirements Milestone Smart Client)	
Software:	
Also the system configuration is basically the same as for the Milestone Smart Client. Additionally the following points are required:	
Milestone Smart Client Version:	2017 or higher is recommended (Contact us when you need the plugins for an older Smart Client for some reason)
Milestone Xprotect® Version:	Please ensure that all servers are running on the same version.

(*subjects to change without notice)

Please refer to the Smart Client manual for other system requirements.

2. Installation

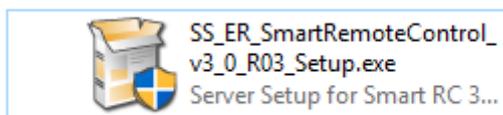
The installation of the Plug-ins is simple and the following chapter explains the necessary steps. The installation will be done in two steps. First the Plug-ins will be placed on the server to make them available for the clients. As a second step the Plug-ins must be installed on the client site. This installation process is the same for all Smart Plug-ins.

2.1. *Installing the Plug-ins on the Milestone Xprotect® Server*

The following steps are needed to install the Plug-ins on the server to make them available for download using the web server. Additionally the Plug-ins will be registered on the server.

The following information's are needed:

- The License code which you obtained from your partner. (*)
- The additional License File
- The Setup File for the server side installation

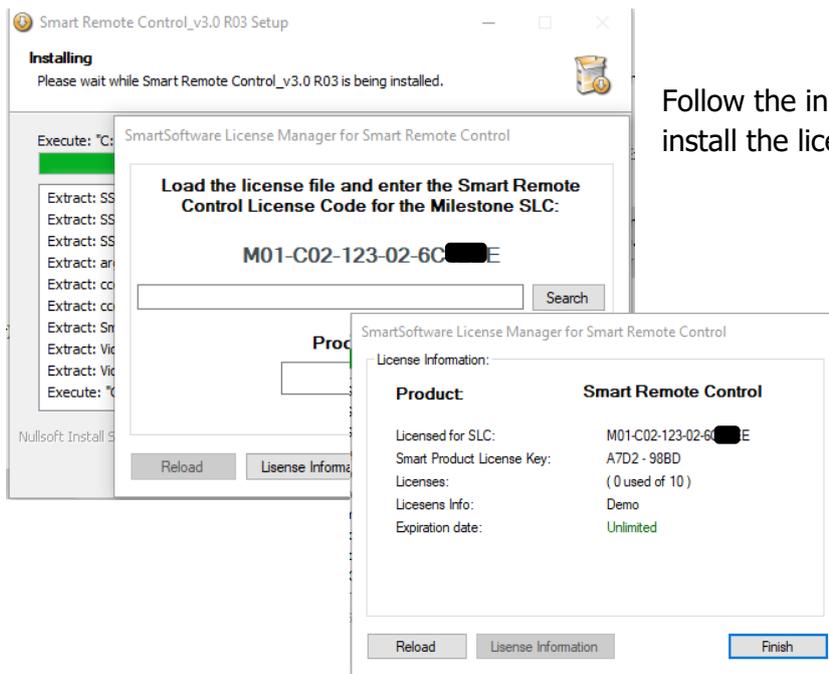
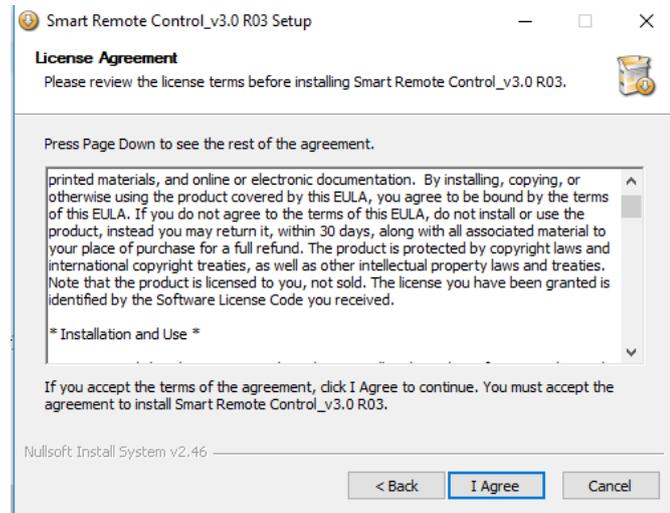


(*) Please contact us if you don't have a license file by the time you like to install the Plug-ins



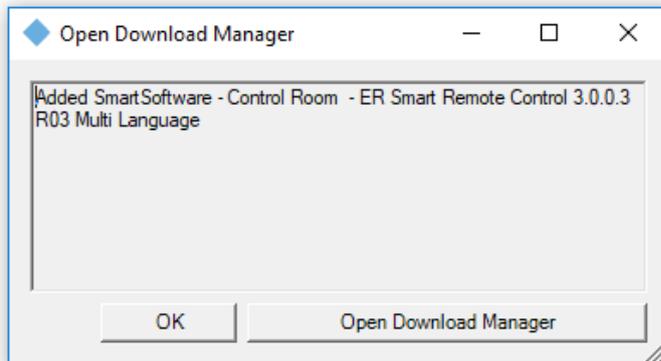
The Assistant will guide you through the necessary Steps. Close all application and press next.

Before you continue with the installation read the License Agreement carefully and cancel the installation if you don't accept it. Otherwise press I Agree and continue.



Follow the instructions to load and install the licenses for all components.

After you successfully loaded the licenses, the installer begins to add all components to the download Manager.



The installation wizard will automatically add the Smart Plug-in to the Milestone's Download Manager.

Press "OK" to finish the Installation or Open the Download Manager for further Configurations.

Note: The Download Manager Window will not be shown on all Milestone Xprotect® Versions.

The Plug-in was successfully installed on the server and the installation can be terminated by pressing Finish.



After the installation the Plug-in is ready to be installed on the clients. The following chapter covers the installation on the client.

Remark:

This Plug-in is mainly installed on the server to allow the download from the clients. However additionally parts of the licence data's which the server needs will be installed. Therefore an installation on the server is necessary.

If you perform the installation which the following chapter describes without server setup, the Plug-ins will not work correctly because of missing information's.

If the Milestone Server was upgraded, it may be necessary to install the Plug-ins again on the server!

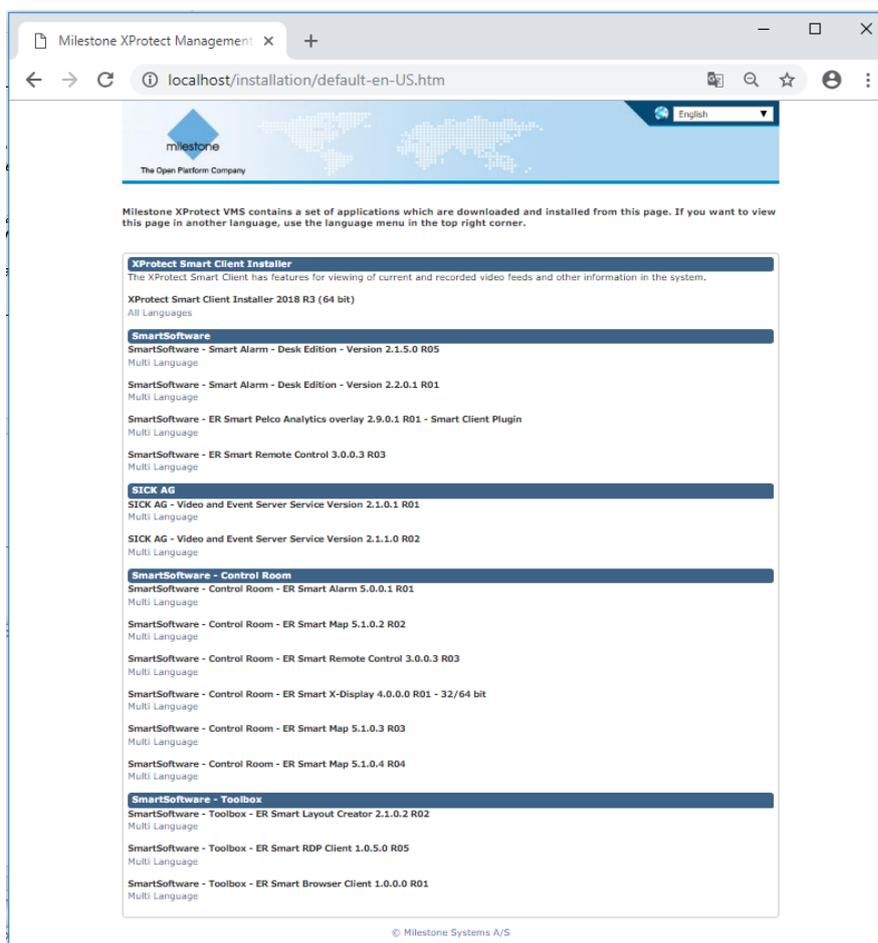
2.2. Installing the Plug-ins on the Milestone Xprotect® Smart Client

After successfully installing the Plug-ins on the server, the client setup can be downloaded. The following procedure is necessary:

Open your Web browser and connect to the Milestone Enterprise, Professional or Corporate Management server using the specific URL:

(To get the Plug-ins from the Corporate Management Server, you must enter the specified installation URL for example:

<http://localhost/Installation>)

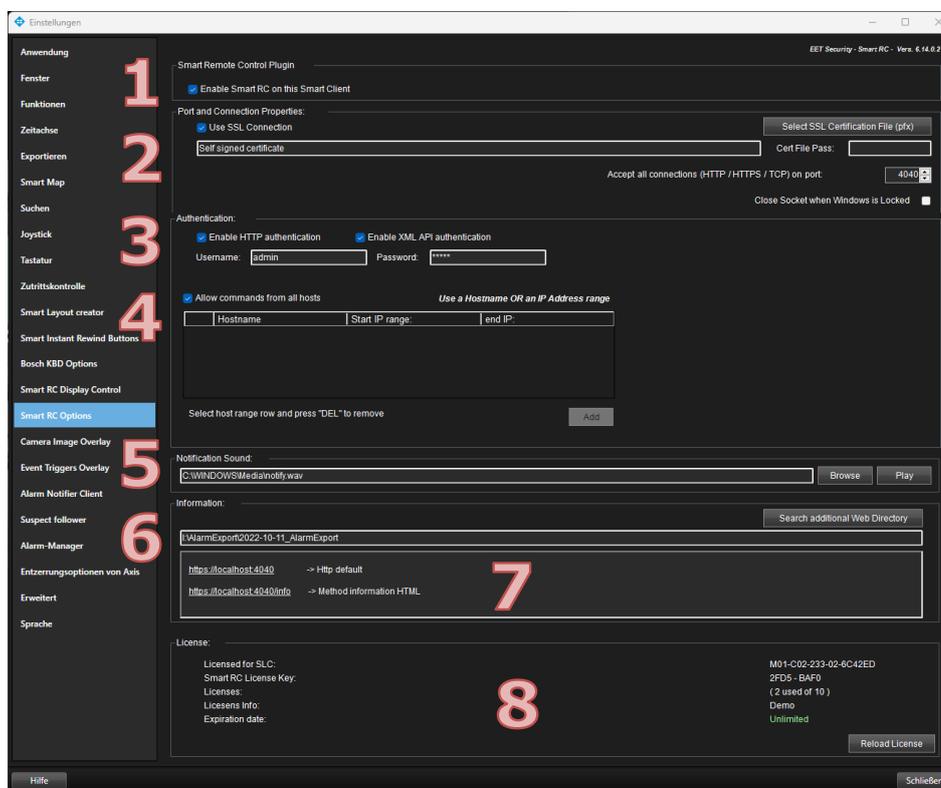


Click on the link under the "SmartSoftware" or "SmartSoftware – Control Room" group to install the Plug-in on the client and follow the instructions of the Setup Wizard.

3. Configuration and Usage of Smart RC

3.1. Enable your Smart Client to be remote controlled

After the first start of your Smart Client, we need to activate the Smart RC Plugin and configure them. The configuration is done through the Options Menu:



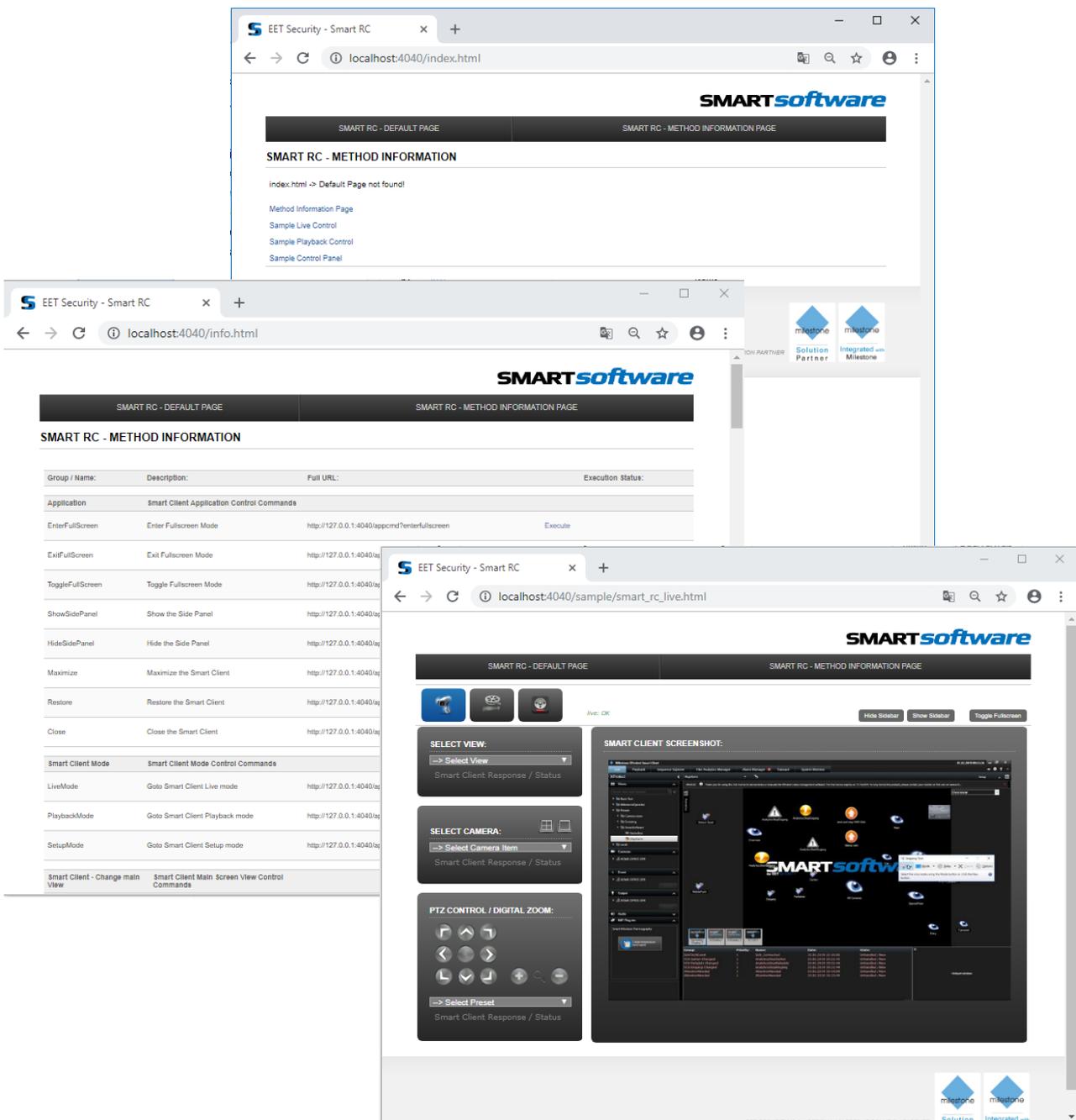
1. Enable the Smart RC Plugin
2. Select the Port Smart RC should listen and the set to use SSL and Certificate (recommended)
3. Set to enable authentication and set the username and password (The credentials are independent of the VMS)
4. Set an IP white list if necessary
5. Select the default Notification Sound
6. Define an additional web directory for individual web content
7. Get Method Information in your desired format.
8. Reload your License File.

3.2. Use Smart RC by the built in HTTP API

Now your Smart Client is able to receive commands over the RC API.

To get an overview of possible commands, you can open the SmartRC Default Webpage which is your entry point to use the HTTP API. It contains the Method information Page and three different samples.

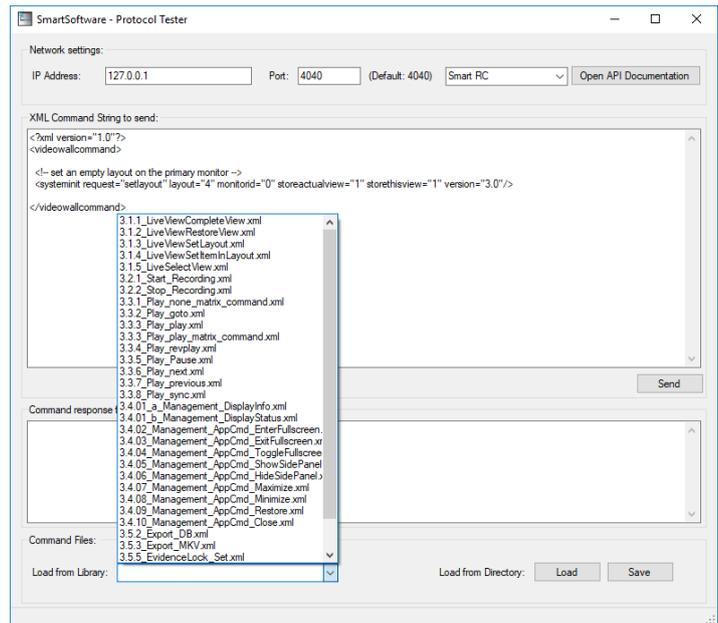
The page is available over <http://mySmartClientAddress:myConfiguredPort>



3.3. Use Smart RC by the advanced XML API

If you want to control your Smart Client from a third party Application with advanced features, you can use the XML API. There is complete API Tool available including the full documentation of the XML API.

- Advanced XML API for deeper 3rd party integration
- API Protocol testing Tool available upon request
- Fully documented XML API
- Advanced Features including Evidence Lock and Export
- Shorter development Time for custom video control applications
- Versatile use of the SmartClient including support for SmartClient MIP Plugins e.g. 3rd party dewarping, transact, Video analytics etc.



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