HomeSeer Caddx plug-in version 3.1

Installation.

A prerequisite is that you have installed and configured a Caddx/Networx alarm panel with a RS232 interface onboard or via an NX-584 add-on module. Remember the COM port, baudrate and PinCode of User01, you need it to configure the plugin.

Install the Caddx plug-in from the HS3 updater and enable the plug-in

Configuration.

After installation you need to configure the plug-in and enable the plugin.

Make sure you use the correct COM port and baudrate and connect to the panel. The PinCode required is the one you use for User01 of your Alarm panel.
After you make any changes, be sure to save the information, nothing is saved until you push the save button and confirm the changes.
RED = Not conneted and/or wrong PinCode
GREEN = Connected and verified PinCode

After configuration, please restart Homeseer, I don't know if this is really necessary but just to be sure.

After the restart go to the configuration page again and select the Caddx zones tab

| General settings | Caddx Zones | Caddx Partitions |

Get Zone Info   Create HS devices

A Get Zone Info request is an intensive task and can take 1 to 10 minutes to finish depending on selected number of zones, Refresh this page after 10 minutes if it is not refreshed automatically ....

Caddx Zones

Scan zone	Zone number	Zone name	Zone type	HS Device
☐	1	Woonkamer	19-Instant with Tamper	☑
☐	2	Deur Meterkast	19-Instant with Tamper	☑
☐	3	Zone 3	19-Instant with Tamper	☐
☐	4	Zone 4	19-Instant with Tamper	☐
☐	5	Zone 5	19-Instant with Tamper	☐
☐	6	Zone 6	19-Instant with Tamper	☐
☐	7	Zone 7	19-Instant with Tamper	☐
☑	8	Hal RM	8-Smoke / Fire	☑
☑	9	Voordeur	17-Entry/Exit Delay1 with Tamper	☑
☑	10	Hal Entree	17-Entry/Exit Delay1 with Tamper	☑

1. Select the zones you want to be scanned in the scan zone colomn, Only select the zones you actually use in you panel otherwise scanning will take a long time to complete.
2. Click on the "Get Zone Info" and the selected zones will be queried for their name an type.
   The screen will be refreshed and goes back to the General settings tab when scanning is finished. If a lot of zones need to be scanned wait a couple of minutes and refresh the screen yourself. If the scanning was succesfull you will see the defined zone names and types.
3. Now you can select the zones for which you want to have a HS device created in the HS-device colomn. This will ignore the Scan zone setting, it will just create a HS device when the HS Device option is selected, even if it is a none existing Zone in your panel.
4. Click on the "Create HS devices" button to create the devices and it will create the devices which have been enabled. If a device allready exists for a particualar zone it will not be recreated. If a zone is deselected in the HS Device colomn, and a device exists for that particular zone it will be deleted !!!
   If the device creation is finished the screen will refresh to the General settings tab.

Next go to the Caddx Partitions tab

1. Click on the "Get Partitions Info" button to query the partitions of the panel. A valid partition mean that a least 1 zone is enabled for that partition and an invalid partition has no zones defined. If the scan is finished the screen will refresh to the General settings tab
2. Now you can select the partitions for which you want to have a HS device created in the HS-device colomn. It will just create a HS device when the HS Device option is selected, even if it is an invalid partition in your panel.
3. Click on the "Create HS devices" button to create the devices and it will create the devices which have been enabled. If a device allready exists for a particualar partition it will not be recreated. If a zone is deselected in the HS Device colomn, and a device exists for that particular partition it will be deleted !!!
   If the device creation is finished the screen will refresh to the General settings tab.

You are now ready with the configuration!

Devices list

In de devices view you will now see all your created zones and partitions.

You can "Arm Away" , "Arm Stay" and "Disarm" your partitions and "Bypass" your zones if this is supported by the zone.

Events

You can use events to control your partitions. See example below.

Example 1. Run a device action based on your own condition.

Example 2. Run a bypass event

Example 3. Display a keypad message

See below the list of keypad addresses. Message length is max 32 characters. Display time is max 255 seconds.

	KEYPAD							
	1	2	3	4	5	6	7	8
1	192	193	194	195	196	197	198	199
2	200	201	202	203	204	205	206	207
3	208	209	210	211	212	213	214	215
4	216	217	218	219	220	221	222	223
5	224	225	226	227	228	229	230	231
6	232	233	234	235	236	237	238	239
7	240	241	242	243	244	245	246	247
8	248	249	250	251	252	253	254	255

Triggers

You can use events to triggers based on partition or zone events. See example below.

Example 1. Trigger on siren on.

Example 2. Trigger on Zone troubled

Release history.

Plug-in version 3.x is tested with Homeseer 3 version 3.0.0.149 and later.

Version 3.1 → 6 April 2015 (HomeSeer V3 only)

New/changed since version 3.0
- Added a HS device with the last user who disarmed a partition
- Added a HS device to toggle the partition chime
- Added an HS action to display a message on a keypad
- Added a Caddx device image to the HS devices.
- Several bug fixes

Still a problem
- Timing issues with Zone scan caused errors, but I don't know why and as far as I know it is not causing any issues ☺

Future plans
- You tell me….
- …..

Version 3.0 → 23 February 2015 (HomeSeer V3 only)

Initial version
- Support for the the following Caddx/Networx panels:
  - Caddx NX-4
  - Caddx/Networx NX-6
  - Caddx NX-8
  - Networx NX-8E
  - Networx NX-8E-CF
  - Networx NX-4 version 2
  - Networx NX-6 version 2
  - Networx NX-8 version 2

  Not all type have been tested, but should be working.

Still a problem
- Timing issues with Zone scan caused errors, but I don't know why and as far as I know it is not causing any issues ☺

Future plans
- You tell me….
- …..

I used code from several different sources to complete this plug-in. A special thanks to James Villela, the owner of the HS2 Caddx plugin to give me his source code, which was really helpful in determine how the communication to the panel worked.

If you liked what I did with this plug-in, please consider a donation
Thank you very much.

Please report all issues with this version to me.
Sent an email with the description of the problem to HomeSeer@du-Pre.com
Debugging will be much easier and faster if you also can supply me with the homeseer log (with the plug-in debug set to on).