RELEASE NOTES

Information to our customers and partners

DATE OF ISSUE: 2024-12-18
PAGE: 1 (40)
SYSTEM: TOOL
PRODUCT: AUTROCLIENT
TOPIC: AUTROCLIENT VERSION 1.0.8

AUTROCLIENT VERSION 1.0.8

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Introduction

This is a release that supports Autroprime 2.1.9 (AutroGuard EX protectors), 2.1.10 (Swedish alarm tone), and 2.1.11 (AutroGuard V-430 with integrated CO sensor).
In addition, AutroClient 1.0.8 contains quite a few bugfixes and general improvements.

Installation of AutroClient

When installing AutroClient, you will get an error if you uninstall a previous version and then install the new version using the default name "AutroClient" only.
In this case, the installer will fail because the directory already exists.

To work around this problem, add the version to the name (for example, "AutroClient 1.0.7"). Alternatively, delete "`C:\Program Files (x86)\AutroClient`" manually.

AutroClient 1.0.8 should work with `Config.xml` files from all older versions of Autroprime / AutroClient.
But it can be smart to keep older installed versions of AutroClient (with the version as part of the installation name).

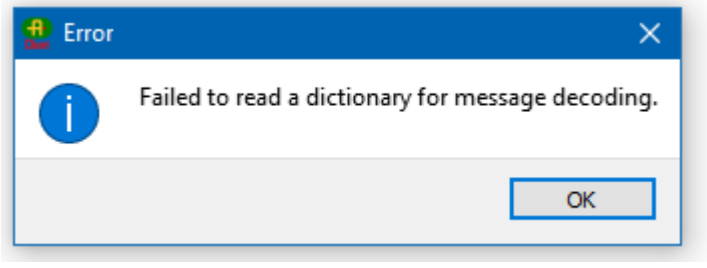
Known bugs: Missing refresh of the AutroClient screen

We have recorded several situations where a change in the left side of a view is not reflected either in the right side of the screen, or in another view.
A general workaround here is to save the `Config.xml` and then open it again.
In most cases, you will see that the change you did was written to `Config.xml` and is now correct in other views.

Observation: Open log fails sometimes

The installation program offers to start the AutroClient directly. However, this might lead to the following issue, so we recommend to not start it this way.

If you start AutroClient from the installation program, open a configuration, and then open a log, you might see the following error message:



To work around this issue, close AutroClient, then open it again.

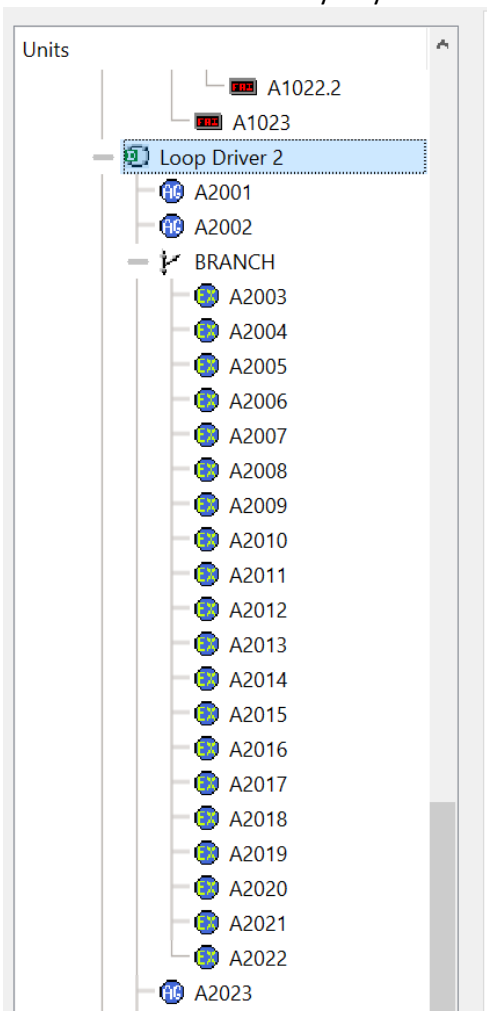
AutroClient creates a settings file in
`C:\Users\%USERNAME%\AppData\Local\autroclient\autroclient.ini`.
If things get "stuck", try to delete this file.

Support for Autroprime 2.1.9 – AutroGuard EX protectors

V-530-EX/AP protectors are identical to V-430 electrically. Therefore, they can also be configured with AutroClient 1.0.7.
The EX protector has been added to PowerCalc.

New protector icons

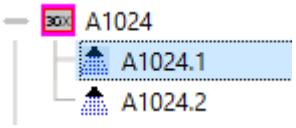
We have added an EX symbol. Along with the new branch presentation (see Improvement: Show branch graphically in tree) in the topology tree, this symbol makes EX protectors more visible.
Also note the AutroSafe-style symbol for regular V-430 AutroGuard protectors.



Filter:

	LSI	ID	Name	Function	Hardware	Detection Zone
1	001	B1	A2001	Multi detector	V-430/AP	Default Detection Zone
2	002	B2	A2002	Multi detector	V-430/AP	Default Detection Zone
3	002.01	B3	A2003	Multi detector	V-530-EX/AP	Default Detection Zone
4	002.02	B4	A2004	Multi detector	V-530-EX/AP	Default Detection Zone
5	002.03	B5	A2005	Multi detector	V-530-EX/AP	Default Detection Zone
6	002.04	B6	A2006	Multi detector	V-530-EX/AP	Default Detection Zone
7	002.05	B7	A2007	Multi detector	V-530-EX/AP	Default Detection Zone
8	002.06	B8	A2008	Multi detector	V-530-EX/AP	Default Detection Zone
9	002.07	B9	A2009	Multi detector	V-530-EX/AP	Default Detection Zone
10	002.08	B10	A2010	Multi detector	V-530-EX/AP	Default Detection Zone
11	002.09	B11	A2011	Multi detector	V-530-EX/AP	Default Detection Zone
12	002.10	B12	A2012	Multi detector	V-530-EX/AP	Default Detection Zone
13	002.11	B13	A2013	Multi detector	V-530-EX/AP	Default Detection Zone
14	002.12	B14	A2014	Multi detector	V-530-EX/AP	Default Detection Zone
15	002.13	B15	A2015	Multi detector	V-530-EX/AP	Default Detection Zone
16	002.14	B16	A2016	Multi detector	V-530-EX/AP	Default Detection Zone
17	002.15	B17	A2017	Multi detector	V-530-EX/AP	Default Detection Zone

We also added a sprinkler icon (changed from an FAI icon):



Support for Autroprime 2.1.10 – Swedish alarm tone

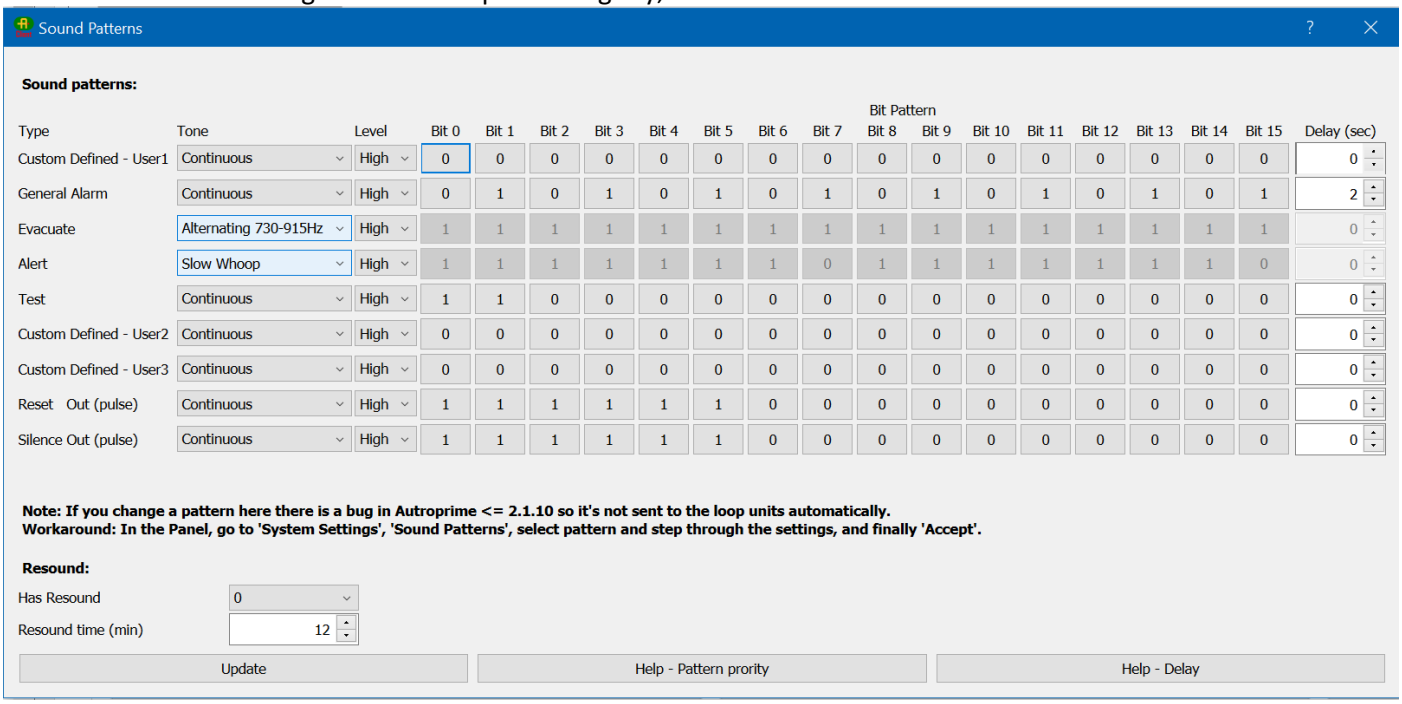
AutroClient 1.0.7 could configure the Swedish Alternating tone, but it allowed the on/off pattern to be tampered with. This has been corrected in 1.0.8.

About sound patterns

Sound patterns (or ringing tones) consist of a tone and an on/off pattern. This is the way bells work, and simple sounders using the “continuous” tone. The other tones, Slow Whoop and Alternating, need a preconfigured on/off pattern to work properly.

Now AutroClient will fill in that pattern when you select a tone. The pattern is pre-set to a standard and cannot be changed (gray in the dialogue).

The Sound Patterns dialogue has been updated slightly, and now looks like this:

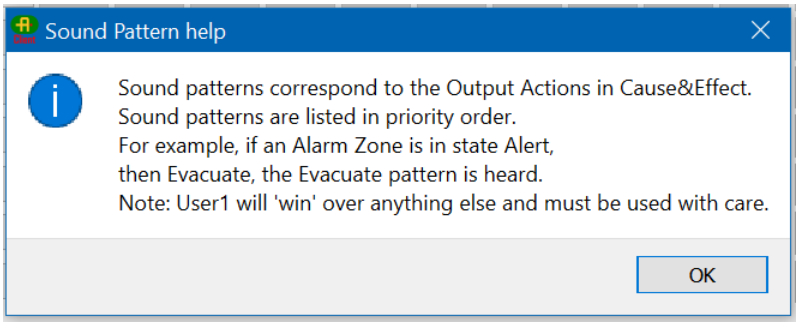


Note:

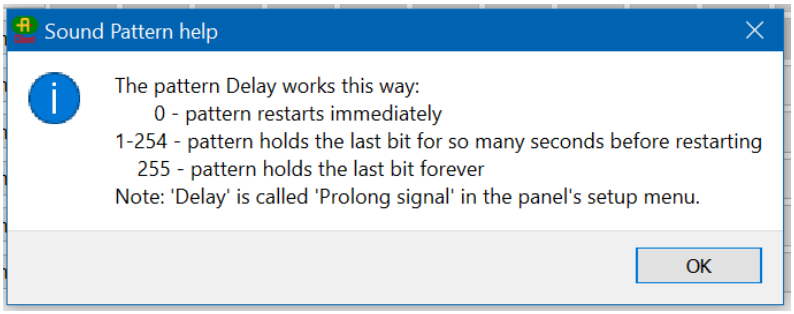
- The Slow Whoop and Alternating tones are intended as *Evacuate* sounds.
  Slow Whoop is used in the example for *Alert*, but that is just to show all selections in one picture.
- The Alternating tone is supported in BBQ/BBR-x30 from version 1.6, released 2014.
  When you open a `Config.xml` file in AutroClient, you get warnings about “old” units, and for BBQ/BBR these warnings match the units not supporting Alternating tone.
- When selecting anything but Continuous tone as *Evacuate* sound, you get a pattern with (almost) all bits ON.
  This is not well suited for mechanical bells and old BBQ/BBR/BBL units.
  Autroprime will then automatically use the classic Evacuate pattern 1100110011 for those units.
- The previous two notes mean that you can upgrade an old installation to Autroprime 2.1.9++ and configure Alternating tone for *Evacuate*.

The Sound Pattern dialogue has two new buttons:

- Button “Help – Priority”:



- Button “Help – Delay”:



Fixed bug: Slow Whoop could not be handled

AutroClient searched for “Slow whoop”, while `Config.xml` uses “Slow Whoop” (with a capital W).
This has been corrected.

Fixed bug: Delay could not be more than 99

It’s possible to set a tone to hold the last bit state forever by setting Delay = 255. AutroClient had a maximum value of 99.
This has been corrected.

Known bug in Autroprime: Loop sounders not updated when importing configuration

If you change any patterns in AutroClient and import the changes into the panel, the patterns are NOT sent to the loop units.
The same issue occurs if you use a backup configuration and the patterns were changed in the current configuration, or if you replace the BSA-200 motherboard and the backup configuration that you load has non-default patterns.

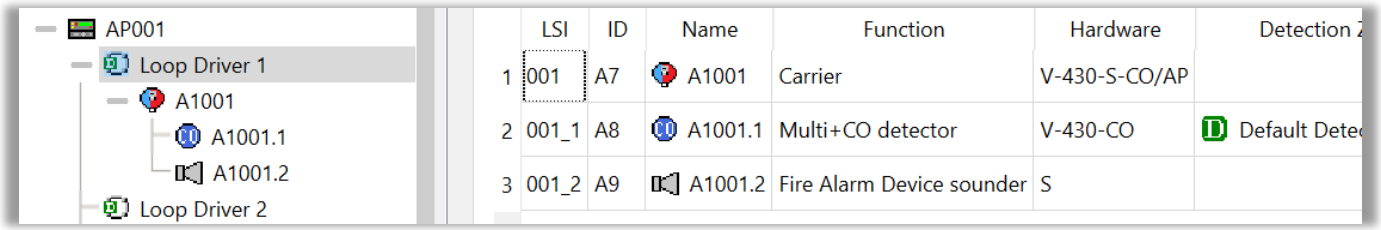
Workaround:
Go into the panel menus for Sound Patterns, then into each pattern you have changed.
Click down through the values, then select <Accept>. The loop units will then be updated in real time.

Support for Autroprime 2.1.11 – AutroGuard V-430-S-CO

When working with AutroGuard V-430 with integrated CO sensor, you MUST use AutroClient 1.0.8 or later.
Saving the configuration for AutroGuard V-430-S-CO with 1.0.7 or earlier will make the configuration unusable in the panel.

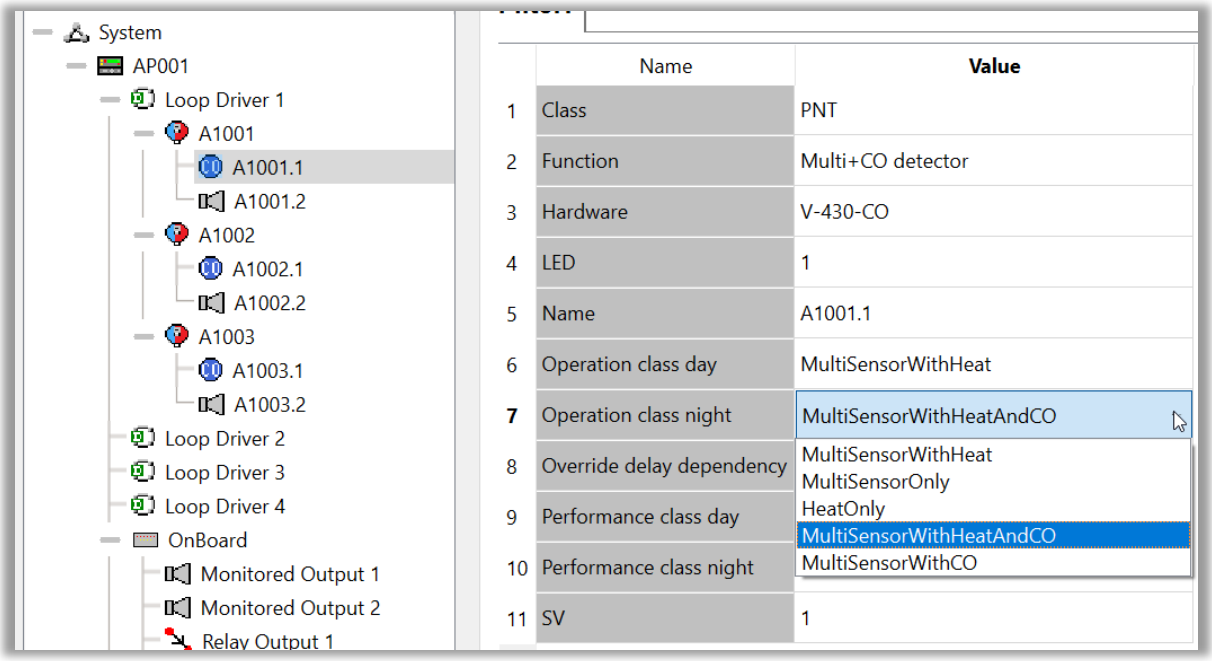
New unit with CO sensor

This is how the V-430-S-CO/AP units looks in AutroClient:



AutroGuard with integrated CO sensor works like a Multi detector with CO assistance, so the configuration is very similar to a V-430.
The only new functionality is that the Operation classes have been extended with:

- MultiSensor with Heat and CO (default value; here Heat can give alarm alone)
- MultiSensor with CO (Heat is heat-assist to Multi/CO only).



V-430-S-CO/AP added to PowerCalc

The V-430-S-CO/AP units are included in PowerCalc.
You cannot remove the FAD part by configuration, so one 200+ mA loop can at a maximum have around 30 units with CO sensor.

System view

Improvement: Supports high-DPI screens (with Windows "scaling") better

Previously, font sizes sometimes looked strange (too small or too large) if you ran AutroClient on a high resolution screen and had the Windows display setting "scaling" configured to more than 100%.
This looks much better in 1.0.8. However, for unknown reasons, Windows' standard file open/save dialog is still tiny.

Improvement: File paths for open/save made identical

Previously, AutroClient stored the configuration path and the log path separately. So when you opened a new configuration and wanted the corresponding log, you easily ended up opening an old log.

Also, saving loop info in `.CSV` format always saved in `AutroClient.exe`'s installation directory.

Now all file operations use the same path.

Improvement: File path and name in Windows bar

If you have several configurations/logs open at the same time, AutroClient previously only showed its version in the Windows bar.

Now it also shows the directory and file name:

Improvement: Window position/size saved for next startup

Previous versions of AutroClient started as a rather small window in a fixed position on the screen.
Now AutroClient stores the position and window size when it is stopped, and restores it on the next startup.

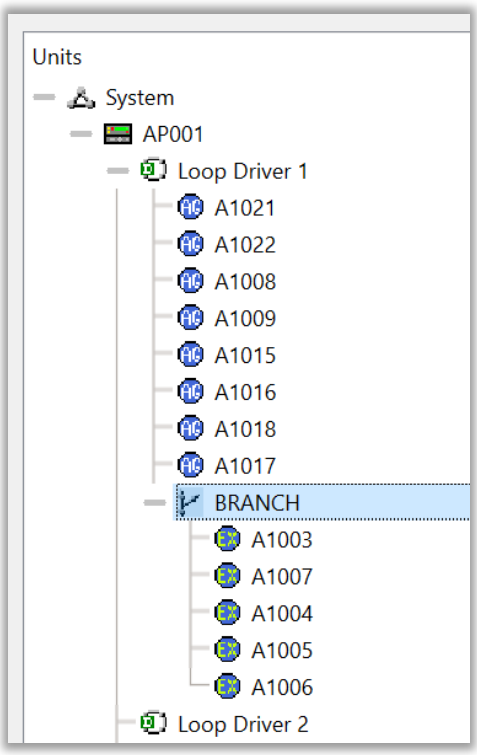
Note that if you last had AutroClient on a second screen, which is not connected anymore, AutroClient might "disappear" the next time you try to start it.

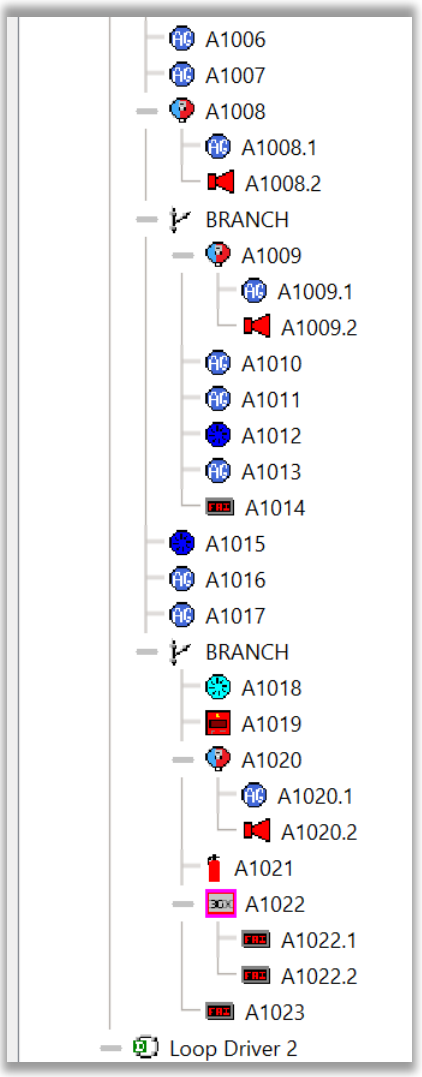
In this case, remove the last saved positioning information. Open the `C:\Users\%USERNAME%\AppData\Local\Autronica\AutroClient\autroclient.ini` file in a text editor and remove the two lines that looks like this:

```
AppGeometry=@ByteArray(\x1\xd9\xd0\xcb\0\x3\0\0\xff\xff\xf2\x17\...
AppState=@ByteArray(\0\0\0\xff\0\0\0\0\xfd\0\0\0\0\0\0\a\x83\0\0\...
```

Improvement: Show branch graphically in tree

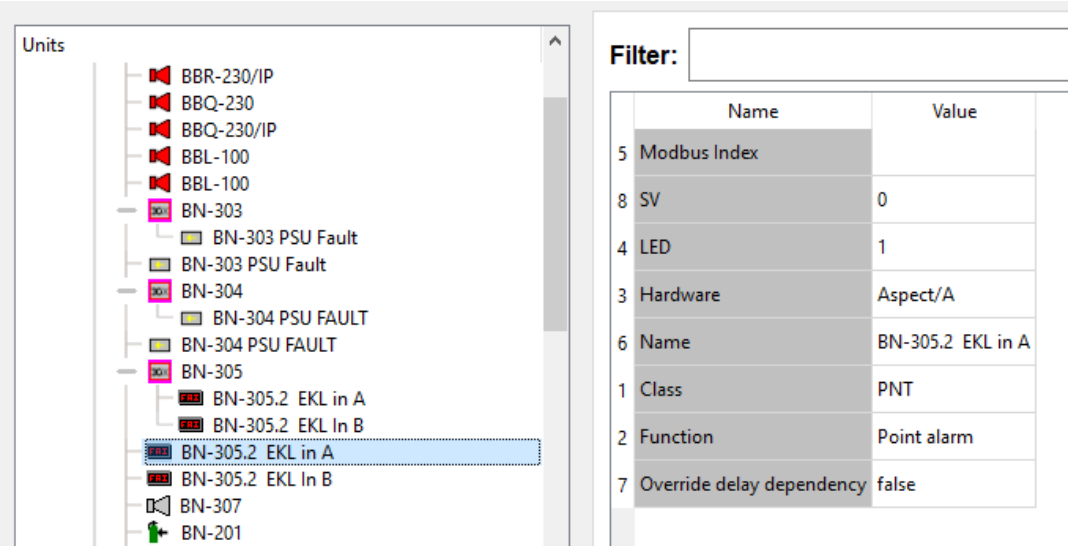
We finally can see a branch without having to study LSI numbers:





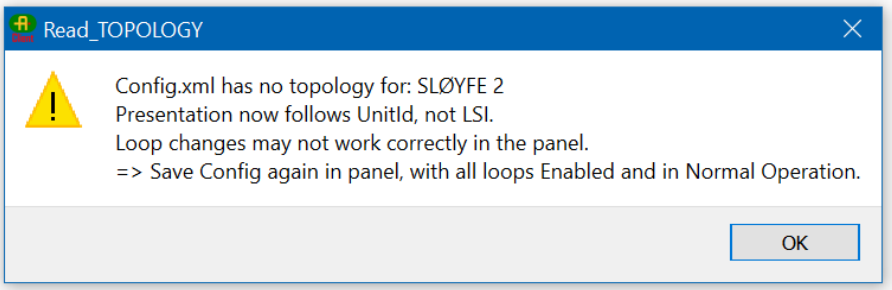
Improvement: Tree presentation with empty topology

We occasionally see `Config.xml` files where a loop's topology information is empty. This happens if the panel user selects **Save Config** while a LoopDriver is raising a loop in the background.
The loop presentation in earlier AutroClient version then could look like this (note that the BN-30X functions are listed twice):



Now the presentation will be correct.

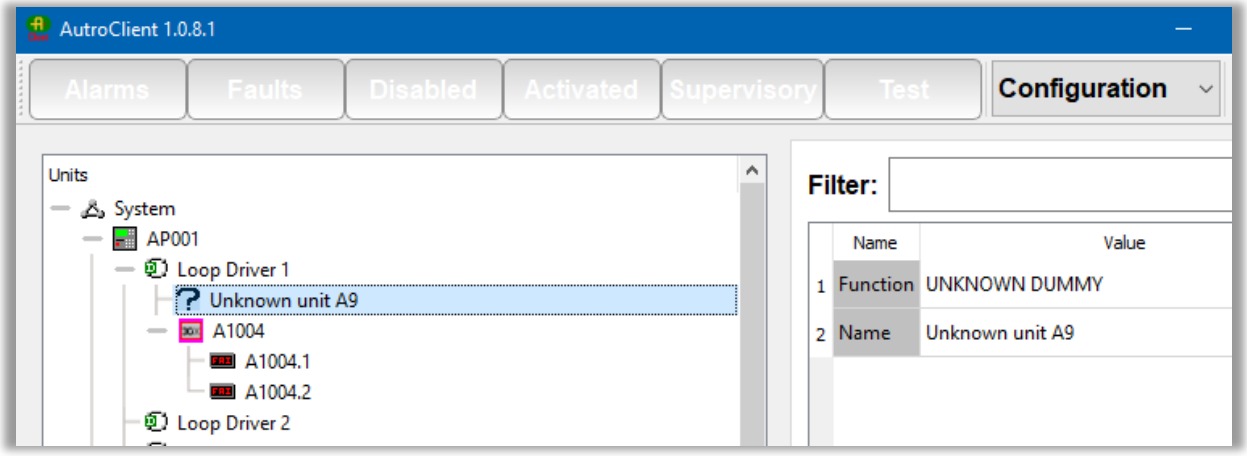
However, this is an unfortunate configuration. Therefore, AutroClient will give a warning with some advice:



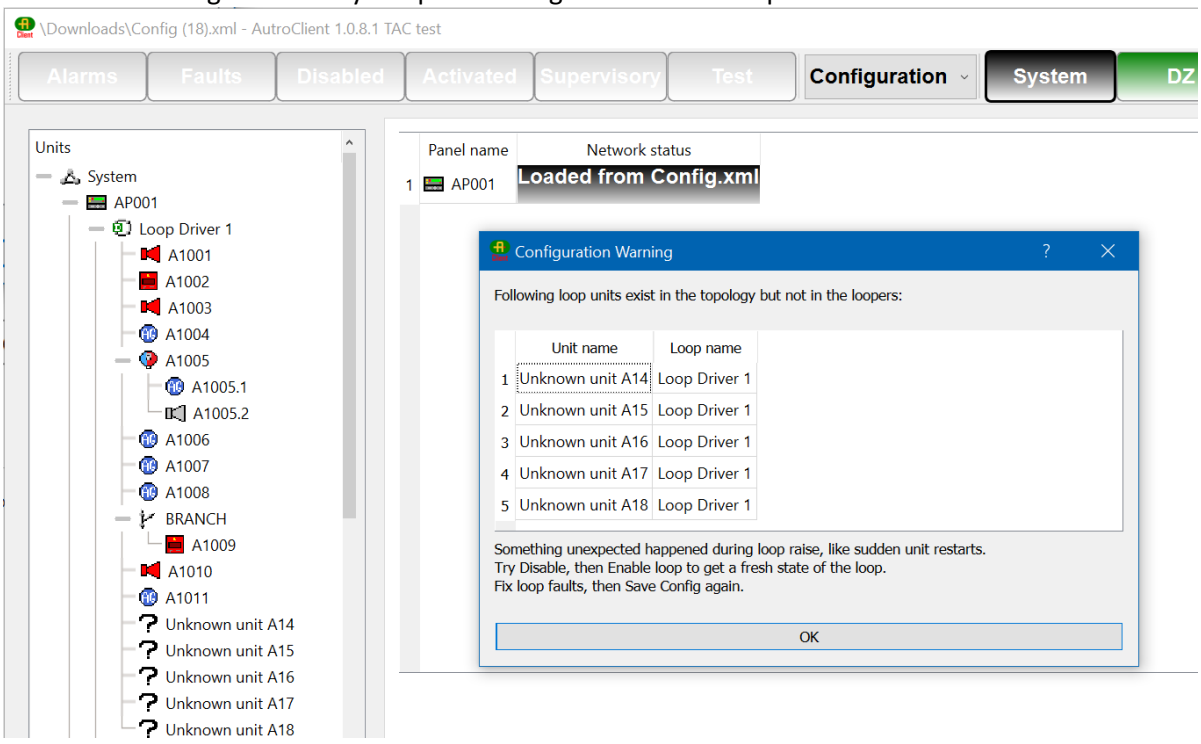
Improvement: Show topology with unknown unit

A loop might have a non-supported AL_Com unit (for example, an AutroGuard V-100 base rather than V-100/AP), or the panel might not be able to determine the unit type due to problems during loop raise. You then see a fault message on the panel that there is a non-supported unit, often given as type “Void”.

If you save the configuration for such a loop, we previously could not see the problem unit in AutroClient. Now there will be a “Unknown unit” in the loop presentation:

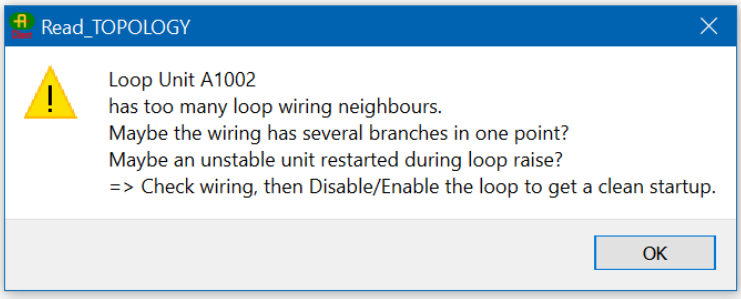


There is a warning box when you open a configuration with this problem:



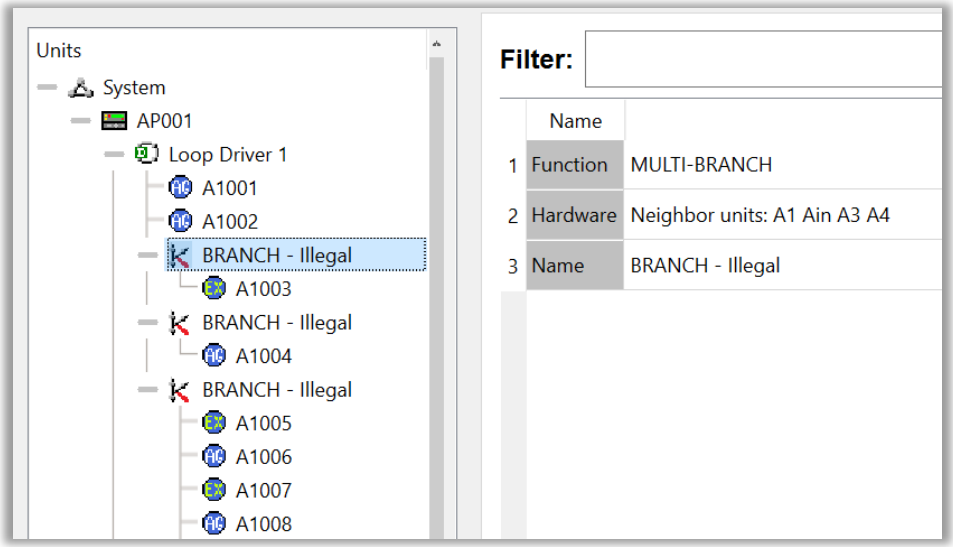
Improvement: Warning for illegal number of branches

We have occasionally seen "strange" topologies saved in `Config.xml`. When AutroClient notices this during opening of `Config.xml`, it will give a warning:



The loop tree structure will show the points where the topology is illegal. Note, however, that this graphic presentation is not correct as it can only represent simple branches and no "spaghetti"-like topologies.

The following example shows an EX branch that is wired correctly, but presented as a mixture of main-loop and branch units. You must fix the root cause in the panel and save a new configuration. Then the presentation in AutroClient will be correct again.

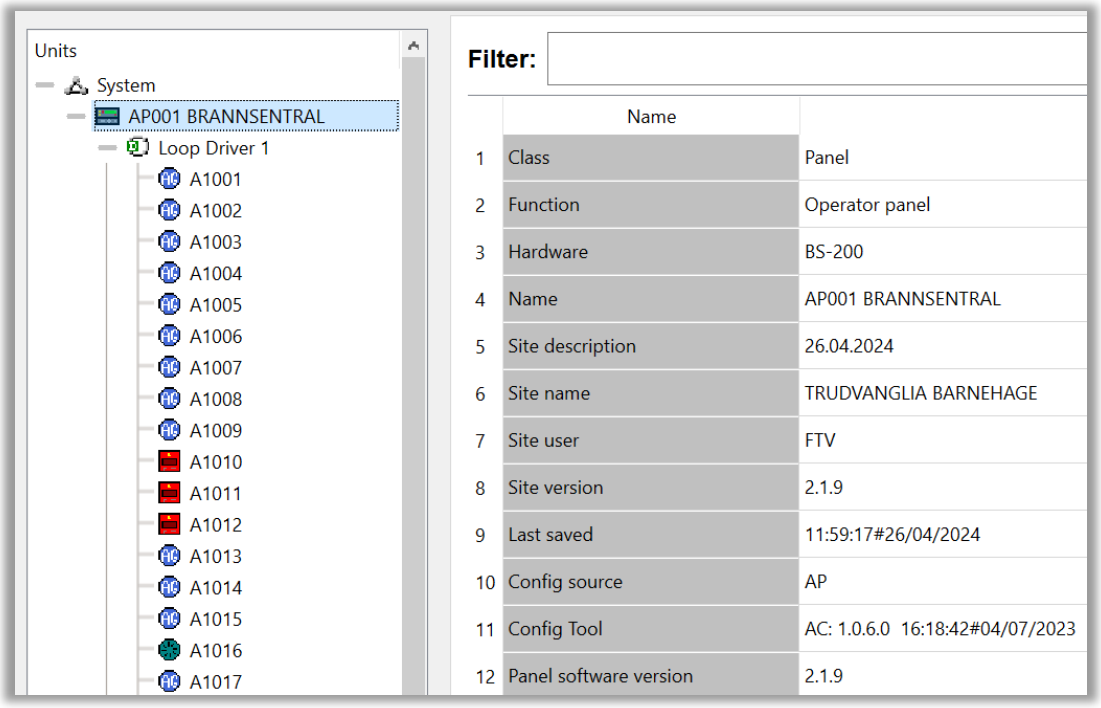


Improvement: Panel information extended

There is quite a lot of information in the `Config.xml` file. Some of it has been available when you click the Panel object in the System tree. Now even more is directly visible in AutroClient.

Values are grouped logically, and some texts have been extended to make it clear what they describe.
"Site version" was previously not editable in AutroClient, now it is editable.
"LEDs on Alarm" was presented as an editable value. The panel uses a fixed value here, 4 for Denmark and 3 for the rest of the world. Therefore, the entry is no longer visible in AutroClient.

Tip: You can always open the `Config.xml` file in a browser by double-clicking it.

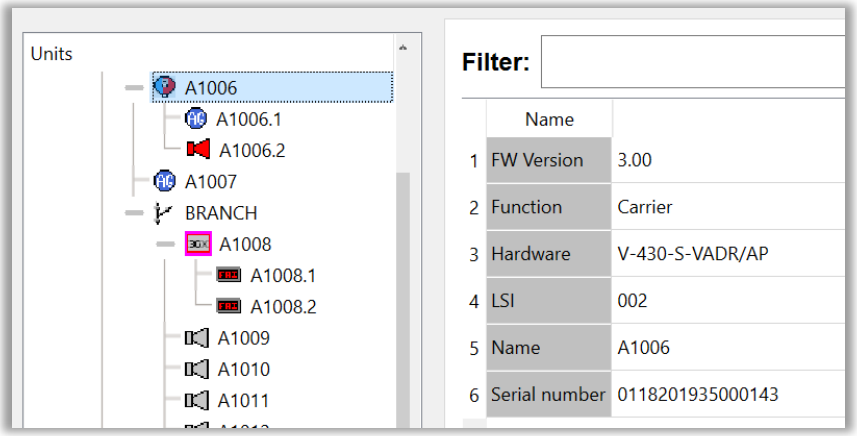


The "Config source" field describes where the running configuration comes from (what program wrote the file).
There are three possible values:

- AP – The Autroprime panel itself
  This can be the last "Save Config" by the panel user, or it can be an automatic save (for example, when a detector head has been swapped and the new serial number is stored in `Config.xml`).
- AC – AutroClient
  If this configuration has been handled by AutroClient previously, that info can be found under "Config Tool", where the AutroClient version and save date is shown.
- CT – The old Excel based configuration tool from around 2010
  This tool MUST NOT BE USED, as it can introduce serious faults in the configuration file.

Improvement: Show firmware version for all loop units

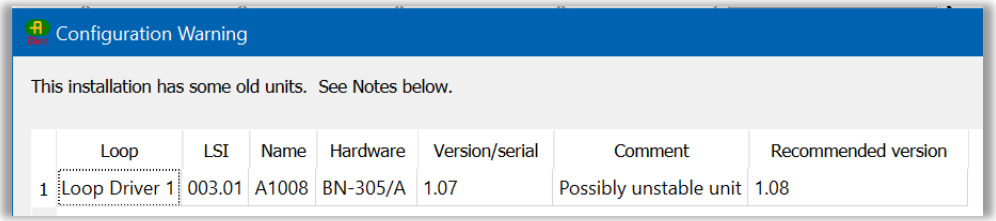
Autroprime versions 2.1.11 or later store the software version for loop units in `Config.xml`.
The information about the firmware version is visible when you click any loop unit in the System view:



All AL_Com units have a firmware version, typically 1.x for IO and 2.x for all classic detectors.
Autroprime only knows the firmware version of AutroGuard bases, and for V-100/AP bases (and also /SPARE detectors) the version is 3.00 or higher:

V-100/AP version number	Corresponding AutroGuard version number
3.00	Up to and including 1.23.1 (except 1.22.3)
3.01	1.22.3
3.02	1.23.3

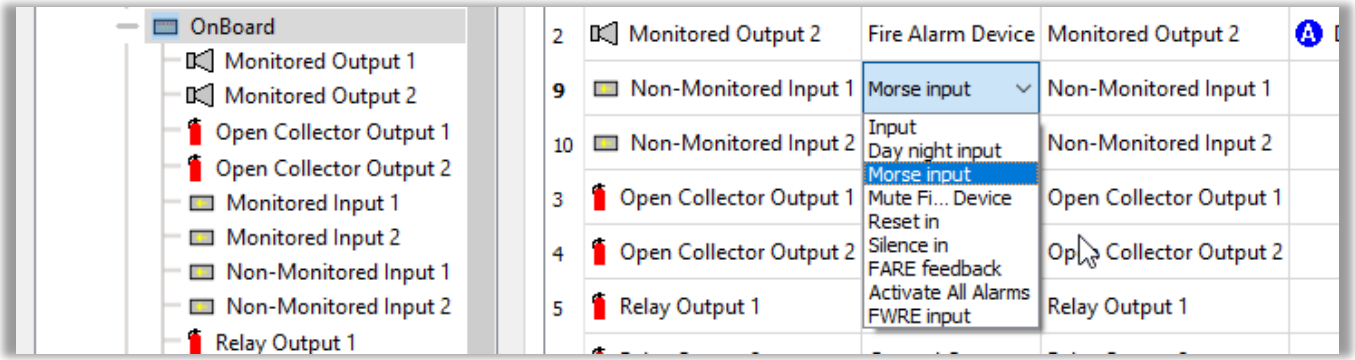
When AutroClient knows the version, the checks during loading of the configuration also become more accurate:



Previously, this check was based on the production date in the serial number.

Fixed bug: Function of OnBoard IO not available in drop-down list

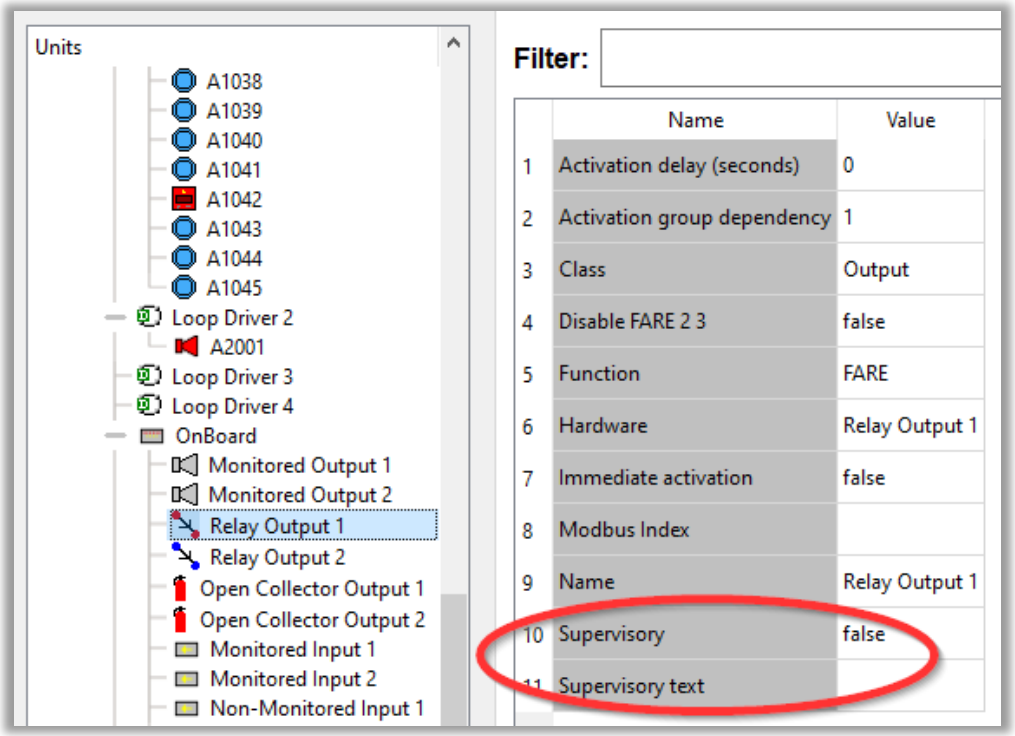
In 1.0.7, there was a bugfix related to OnBoard IO: Many units could have the same function, where the panel allows only one unit per function.
This bug was fixed, but the fix introduced another problem. If you clicked the function drop-down, it listed only unused functions, which made it impossible to get back the function you had configured.
Now, the current function is included in the list of selectable functions:



Fixed bug: “Supervisory” could be set for OnBoard outputs

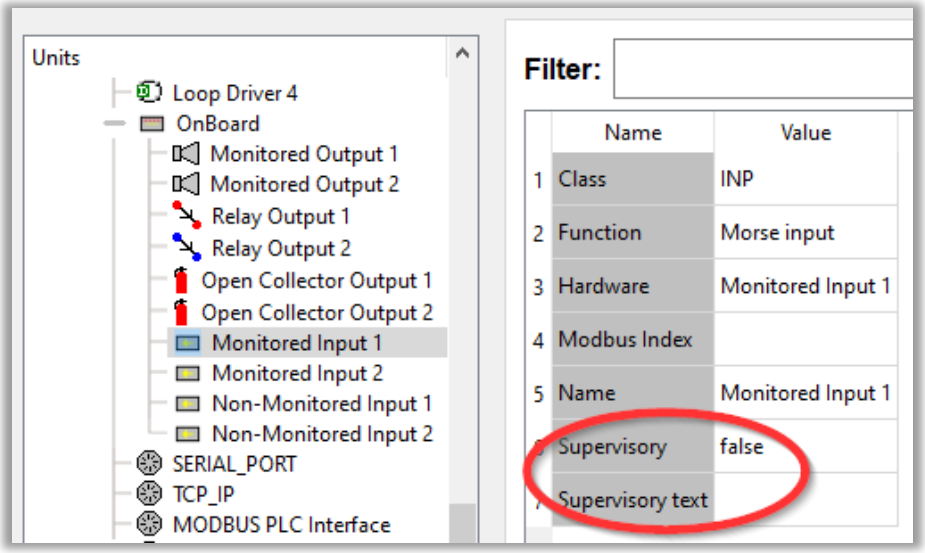
All OnBoard outputs offered to configure Supervisory, which is a function for General Inputs only.
In addition, it was offered for BN-30X Function C, “Fault input”.

AutroClient 1.0.8 no longer offers Supervisory in this context (screenshot from AutroClient 1.0.7):.



Known bug: "Supervisory" can be set for too many OnBoard inputs

Supervisory is a function for General Input only.
But you will find a configurable Supervisory field for other kinds of inputs also, which will not work in the panel.



Loop power calculator

Fixed bug: Loop power calculator for V-430/AP gave too high current

In a case where a loop ran on 150 mA in the panel, AutroClient said it required 200 mA.
This issue was fixed:

- V-430/AP units were calculated at 0.3 mA (same as old units) rather than 0.12 mA (AutroGuard). As there were quite a few such units, this error added up.
- LED calculation added one extra, so for configured 3 LEDs in alarm it counted 4, adding 3 mA extra.

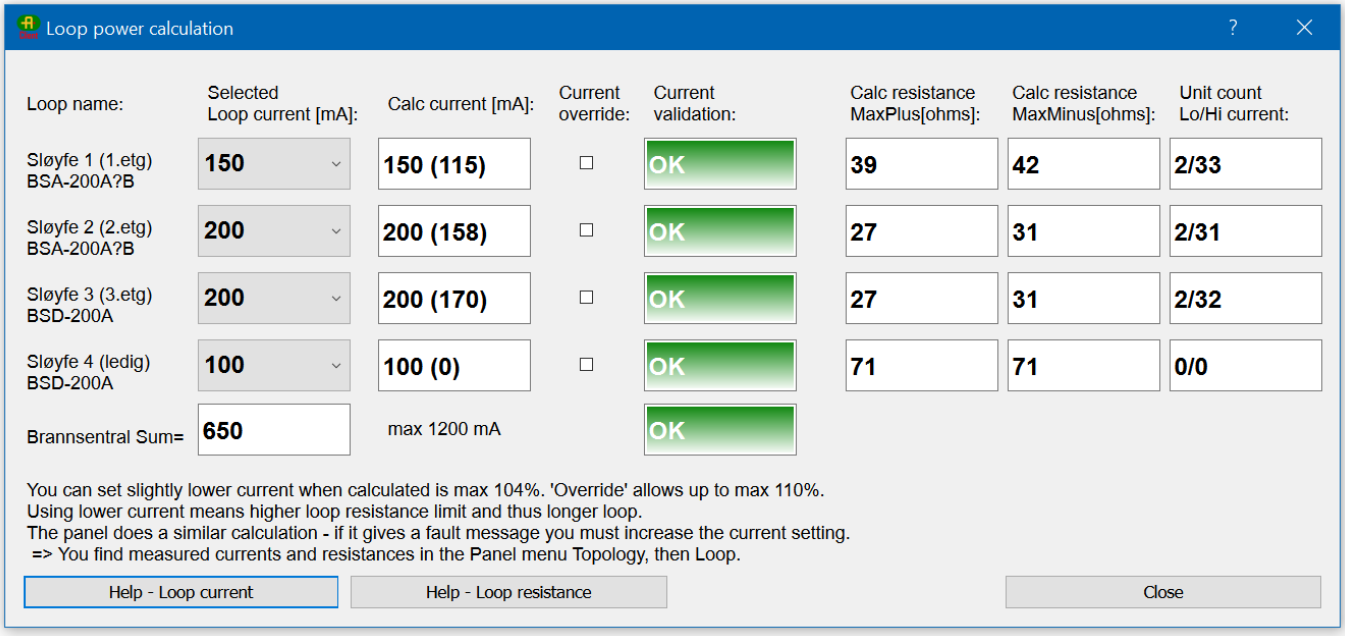
Note that the calculation done by AutroClient can be 1 mA higher than the panel's due to rounding effects, so it's still possible that the AutroClient passes right over the limit, but this should happen very seldomly.

Improvement: Resistance limit calculator

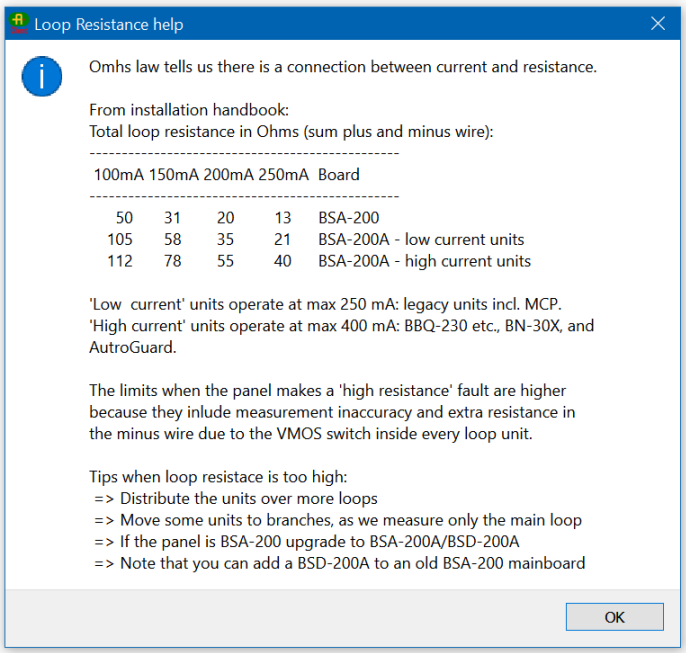
If the panel gives a fault message "Loop resistance too high", plus an indication of Plus or Minus wire, you can go into the panel menu, "Topology", select the problem loop, and hit ENTER.

There you can see the measured loop current, plus the measured resistances in Plus and Minus.

AutroClient will now help you determine how close the system is to the limit:



Select “Help – Loop resistance” for more information:



The help information includes the current vs. resistance table from the Installation Handbook. Note that the resistance limits for the old BSA-200 board are much lower than for the newer BSA-200A (/BSA-200B) board. In addition, for BSA-200A the calculation takes into account that the VMOS switch inside each unit has less resistance in high-current units, so the limits shown may vary for each loop.

The panel does its own current and resistance calculations and might give fault messages even if AutroClient says it’s OK. In such cases, the installation is very close to the limits, and it’s always best to organize loops so that they operate well within safe limits.

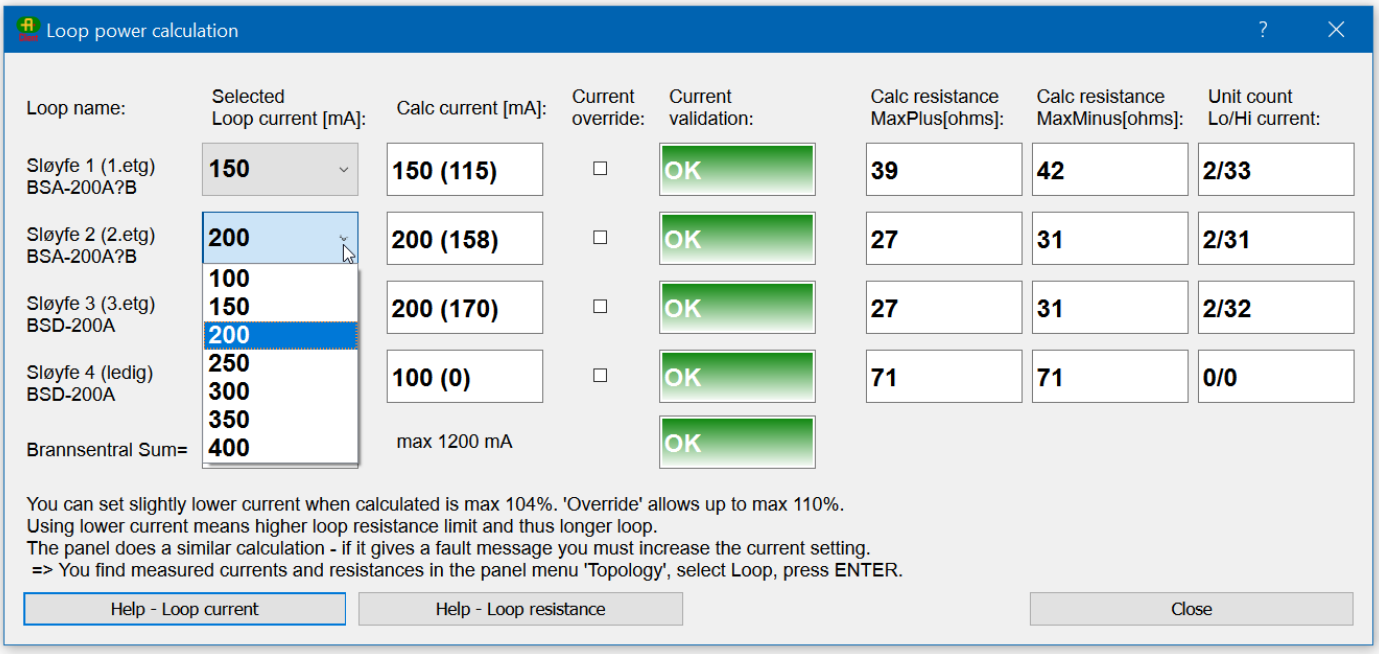
We also added some advice at the bottom of the power calculation window. The override functionality was added to Autroprime some years ago to handle installations where loop resistance vs. loop current was a problem.

Note that because all loops are different, both related to wiring and the type of units, some loops can become unstable even if the calculator says they are within limits.

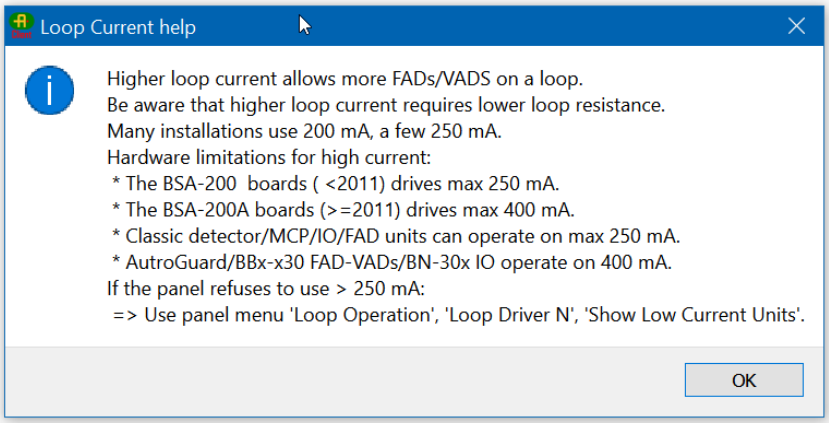
Improvement: Loop current drop-down offers only valid settings

In the Loop current calculator, you can see how much current the loop units will draw when FAD/VADs are activated, and you can change a loop's maximum current setting. Here the drop-down box allowed setting up to 400 mA, independent of the panel hardware. Now, it limits the setting to a maximum of 250 mA for the old BSA-200 mainboard. Note that the panel might refuse using over 250 mA, because older loop units cannot operate over 250 mA.

About high currents:
There is a tradeoff between loop current (i.e. maximum number of FAD/VADs) and loop resistance. We see many installations at 200 mA, a few at 250 mA. With AutroGuard units, 300 mA will be possible, but the cable resistance requirements may be impractical.

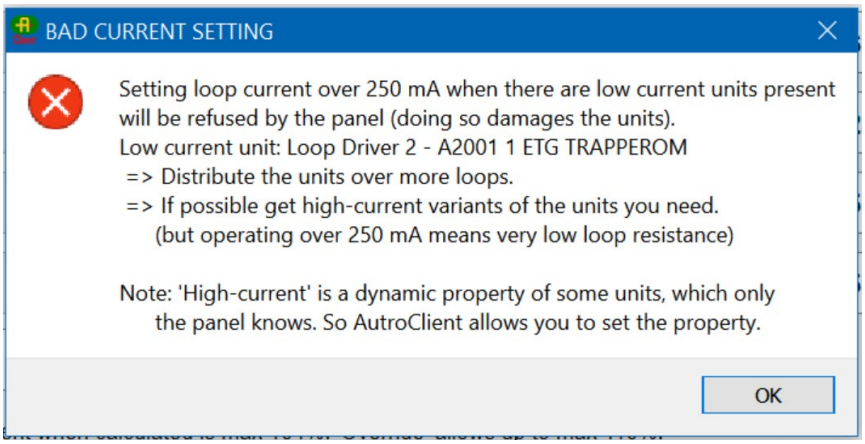


There is a new "Help – Loop Current" button in the Loop power calculation dialogue:



If you have a large loop that operates at 250 mA, and you add some more equipment, the calculator will say that you must go to 300 mA. Then you pass the magic line between the classic “low current” and the newer “high current“ units. If the classic units are operated at >= 300 mA, the electronics will be damaged, so the panel will refuse to set current over 250 mA.

AutroClient knows what units are low- and high-current based on their type code, so it can check and possibly give the user a warning.
As of 2024, most units installed (AutroGuard, BN-30X) are high-current. But the standard MCP is low-current, which means that most loops cannot be set over 250 mA. Autronica might introduce a high-current MCP in the future, so AutroClient will allow you to set > 250 mA. Note that the panel knows exactly if there are low-current units on the physical loops and may refuse to operate over 250 mA.



Export/import in .CSV file format

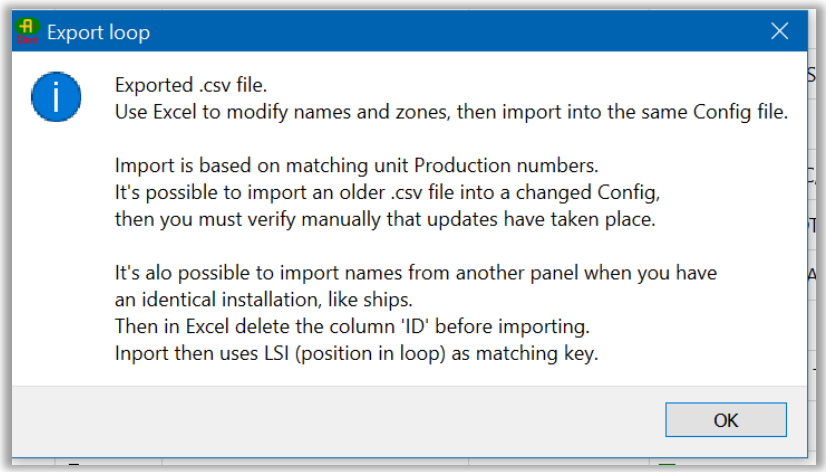
Improvement: Loop export/import based on production number

Existing functionality:

- You can export one loop at a time to a `.CSV` file.
- The file can be opened in Excel, where you can change unit names and DZs.
- When everything is ready, you can import the `.CSV` file into `Config.xml` again.

Over time, the key used for the import has changed: first LSI (position in loop), then in AutroClient 1.0.7 UnitId.
Both methods caused issues during import.

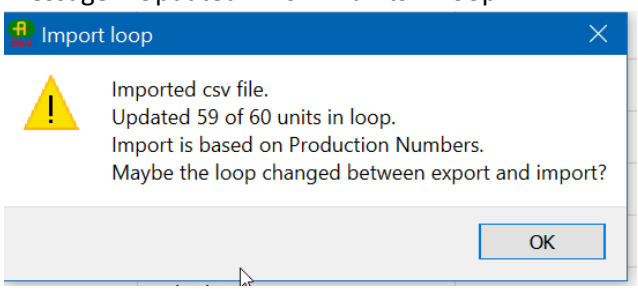
In AutroClient 1.0.8, we decided to use the production number as the key when importing.
The Export command gives the following message:



Using the production number gives a best effort import in many situations:

- The most common use of export/import is for a new installation:
  When loops are in normal operation, use the `Config.xml` with default names and export all loops to `.CSV`.
  Modify the names, then import the loops into the same `Config.xml`.
  Message: “All units updated”

- You change the loop between export and import.
  Message: “Updated XX of YY units in loop”.



- You have to split one large loop into two.
  In this case, the loop units are located in the same rooms, so the relation between production number and name/DZ still holds.
  The working procedure here i:
  - Export Loop N from the old `Config.xml`.
  - Import the file for old Loop N into new Loop N, you should get names for the remaining units.
  - Import the file for old Loop N into new Loop M, you should get names for the units that were moved.

- You have to do "Clear Loop Config" on a working system, or maybe replace the BSA-200 motherboard and then end up with cold-started loops.
  In these cases, the previous import based on UnitId did not work well as UnitIds are assigned over time and for old loops could be non-sequential. After cold-start, UnitIds will be sequential.
  Message: Either "imported all" or "XX of YY" depending on history.

Note:

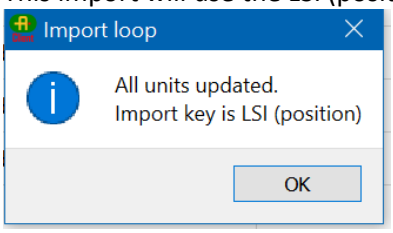
- **Always keep backups** of `Config.xml` files while working with imports, in case any problems occur.
- The import checks the **type of units** before updating.
  - BN-30X units will have the same production number even if the DIP-switches are changed and the unit becomes a logically different thing. A classic problem here is that units are installed with factory DIP-switch "A" and then are moved to another function later. So changing BN-30X DIP-switch is a loop change.
  - Be aware that a V-100/AP AutroGuard base is known to the panel by the base's production number, but changes type if the AutroGuard head is replaced by a head with different hardware (detector / FAD / VAD). So changing an AutroGuard head to a different type is also a loop change.

Copying names from one installation to another

For identical installations (for example, for identical ships or identical blocks of flats), you can use export/import to quickly copy names/DZs from one panel to another (with identical loops):

- Export the loops from the base `Config.xml`.
- In Excel, remove the column called "ID" and save under a new name.
- Open the "copy" `Config.xml`, import .CSV files without ID column.

This import will use the LSI (position in loop) info when importing, as production numbers will be different.



Improvement: List separator in exported file follows Windows region

AutroClient has been using semicolons as list separators. This causes complications for countries/languages using commas, because Excel then must use text file import to get the columns right.
Now AutroClient gets the list separator from the Windows region settings.

Fixed bug: Loop export did not open Excel

After a loop is exported, AutroClient tries to open Excel automatically on the generated .CSV file.
This operation did not work when a file path/name contained <space>. This has been corrected.

Known bug: Loop import

- Assigning Alarm Zone does not work.
- The CSV import can't be used to rename a Detection Zone, because it would create a new DZ name and not remove the existing one. You must use AutroClient's DZ view to rename. Assigning a DZ a unique name different from "Default Detection Zone" works like this:
    - If the DZ name already exists, add this detector to that DZ.
    - Else create a new DZ, take this detector out of the old DZ, add it to the new DZ.
- When you have created a new DZ by import, you must add it to Cause & Effect.
  When you save the configuration, you will get a list of non-configured DZs in case you forgot.

Improvement: Export Modbus indexes to .CSV

Select the Panel symbol in the System view and choose “Export Modbus Indexes” to create a .CSV file with Modbus indexes that can be opened with Excel:

	A	B	C	D	E	F	G
1	UnitId	Function	UnitType	UnitName	ModbusIn	RegisterAddr	
2	A0	AutroLooper	BSA-200	Loop Driver 1	11	30006	LSB
3	B0	AutroLooper	BSA-200	Loop Driver 2	12	30006	MSB
4	C0	AutroLooper	BSD-200A/HWrev.2	Loop Driver 3	13	30007	LSB
5	D0	AutroLooper	BSD-200A/HWrev.2	Loop Driver 4	14	30007	MSB
6	E1	Fire Alarm Device	Monitored Output 1	Monitored Output 1	21	30011	LSB
7	E2	Fire Alarm Device	Monitored Output 2	Monitored Output 2	22	30011	MSB
8	E5	General Output	Open Collector Output 1	FIRE TO ELEVA./SPARE	23	30012	LSB
9	E6	General Output	Open Collector Output 2	D.H.M	24	30012	MSB
10	E3	General Output	Relay Output 1	FIRE TO AMS	25	30013	LSB
11	E4	FWRE	Relay Output 2	SYS.ABN. TO AMS	26	30013	MSB
12	E7	Input	Monitored Input 1	Monitored Input 1	27	30014	LSB
13	E8	Input	Monitored Input 2	Monitored Input 2	28	30014	MSB
14	E9	Input	Non-Monitored Input 1	MAIN AC	29	30015	LSB
15	E10	Input	Non-Monitored Input 2	EM'CY AC	30	30015	MSB
16	B18	Disable Input Device	BW-200	2026 TIMER	31	30016	LSB
17	A1	Optical detector	BH-200	1001	33	30017	LSB
18	A2	Manual Call Point	BF-50x	1027 MCP	34	30017	MSB
19	A3	Optical detector	BH-200	1002	35	30018	LSB
20	A4	Optical detector	BH-200	1028	36	30018	MSB

This export is intended as documentation of the Modbus configuration in an Autroprime panel. Importing indexes is not supported.

When implementing the Modbus export, we noticed that some `Config.xml` files did not have Modbus indexes for loops. This property is not configurable anywhere. So AutroClient now forces Modbus index 11, 12, 13, 14 to loops.

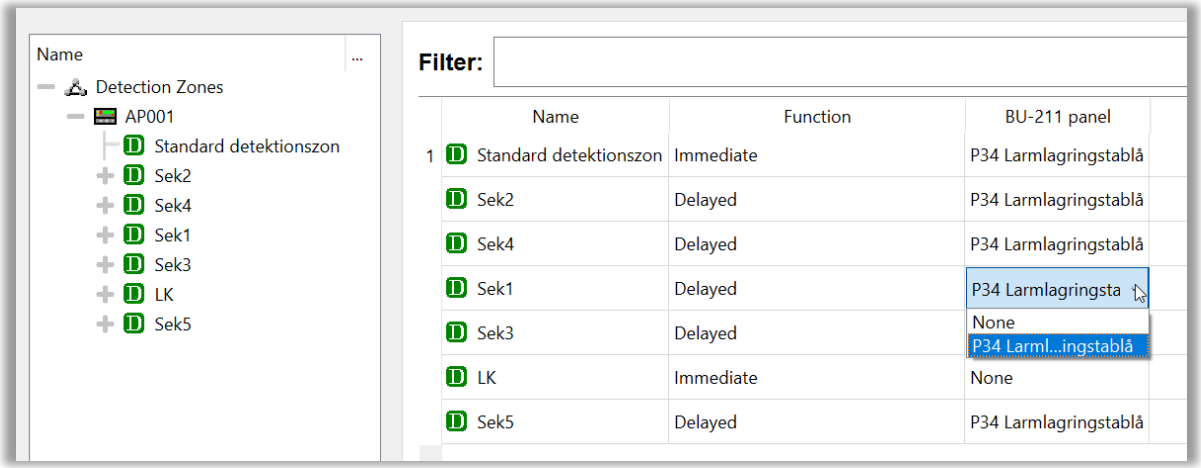
Another problem up to now was that the “Generate Modbus Indexes” button (intended as a test function) did not set indexes to detectors. This has been fixed.

Note that the export table incudes all units in `Config.xml`, even if the Modbus index is 0. This makes it easy to see if you forgot to configure a Modbus index anywhere.
(Setting Modbus index to 0 is allowed. It means that the status of this unit will not be visible on Modbus).

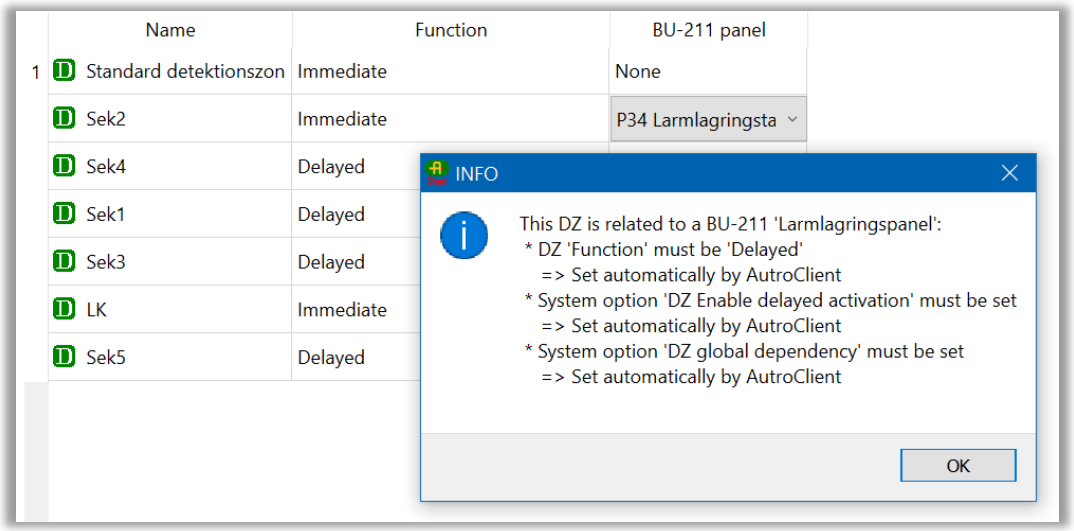
Detection Zones view

Support for BU-211 Larmlagringstablå

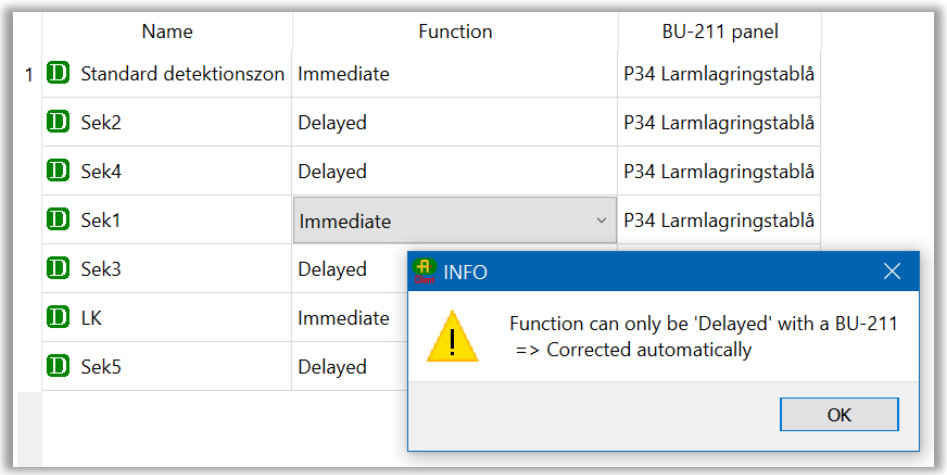
We now support BU-211 in AutroClient. BU-211 is mainly used in the Swedish market.
Note that if you saved a configuration with a BU-211 in AutroClient 1.0.7 or earlier, the relation to a DZ was lost, and it had to be added via panel menus again.
For each DZ, there is a drop-down listing all BU-211 panels in the system.



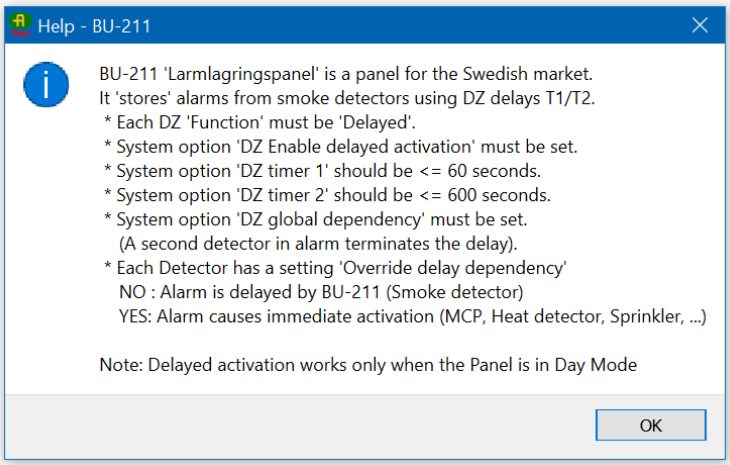
There are some checks regarding DZ function when you add a BU-211 to a DZ (note that the GUI is not updated immediately; you must click somewhere else on the screen before the test is executed):



When you try to set Immediate:



At the bottom of the DZ view, there is a new “Help - BU-211” button:



Alarm Zones view

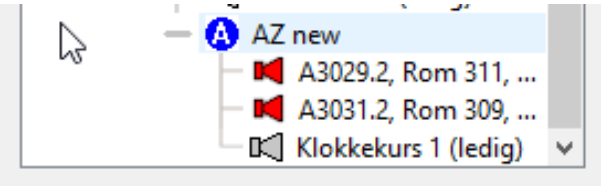
Fixed bug: Drag/drop of FADs between AZs did not update the internal list of FADs

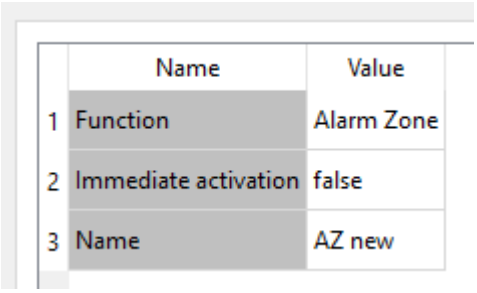
A typical operation in AutroClient is:

- Create a new Alarm Zone (AZ).
- Drag a FAD from the default AZ to the new AZ.
- Go to the Cause & Effect view, and make an activation group ("rule") that activates the AZ.

Previously, we had two bugs here:

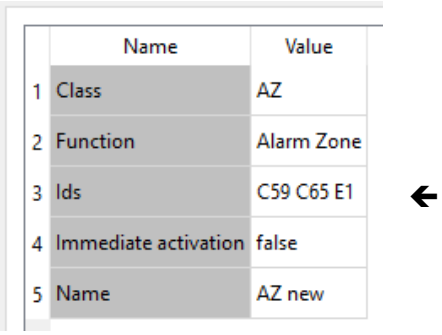
- The list of FAD UnitIds under each AZ was not updated (even if internal relations in the AutroClient program's memory were correct).
- A consistency check run when you try to save `Config.xml` complained that the new AZ was empty, suggesting the Cause & Effect would do nothing. The saved `Config.xml` was correct, though.





	Name	Value
1	Function	Alarm Zone
2	Immediate activation	false
3	Name	AZ new

This is now fixed, so that everything is correct on-screen, and the final check no longer complains.



	Name	Value
1	Class	AZ
2	Function	Alarm Zone
3	Ids	C59 C65 E1
4	Immediate activation	false
5	Name	AZ new

Fixed bug: "Parent AZ activation" warning remained after deleting a sub-AZ

When you set up a hierarchy of Alarm Zones, the behavior of the panel is that alarm in a top AZ causes alarm in sub-AZs also. This is implemented by creating a hidden activation rule under Cause & Effect, a so-called "Parent AZ Activation".

When removing a sub-AZ, this hidden rule was not removed, and it was impossible to remove it because the original AZ was lost. The issue did not cause any problem in the panel, but AutroClient warned that this rule existed forever after.

Now AutroClient will handle removal of AZs correctly, and it also cleans up old configurations silently.

Cause & Effect view

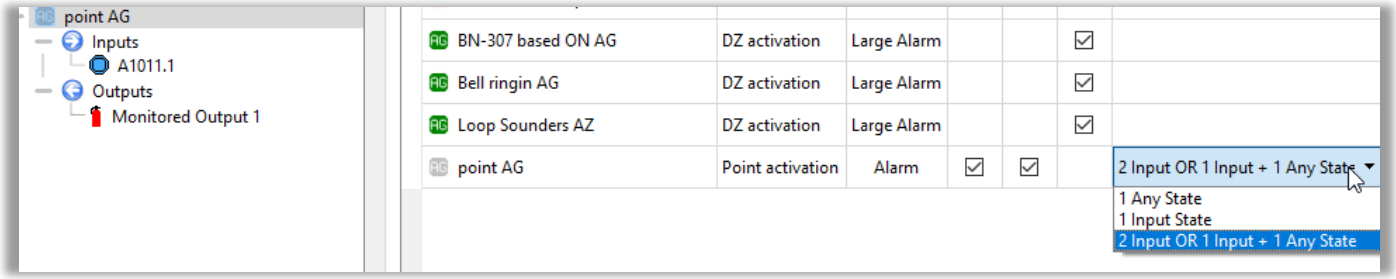
Known problem: Missing refresh

This relates to AZs and Cause & Effect configuration:

- When you change AZ names and/or FAD members in an AZ, the change is displayed correctly in the tree view on the left, but the table view on the right is not updated.
- When you save, a warning box says that the Activation Groups you just created are empty.

Fixed bug: Voting on 2 inputs

For point activation, it was possible to set up voting on 2 inputs even if there is only 1 input.
This configuration would never activate the output:

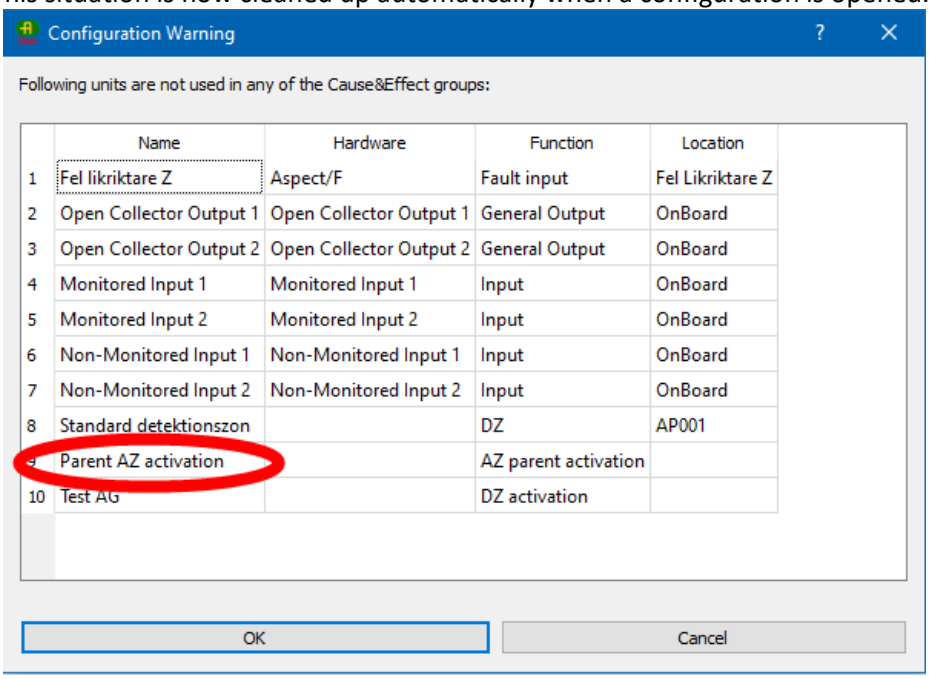


This has been fixed. The drop-down now shows only valid selections.

Fixed bug: Parent AZ activation warning

See the bug description in the Release Notes for AutroClient 1.0.7.

You could end up with an invisible Cause & Effect activation that was impossible to remove manually.
This situation is now cleaned up automatically when a configuration is opened.

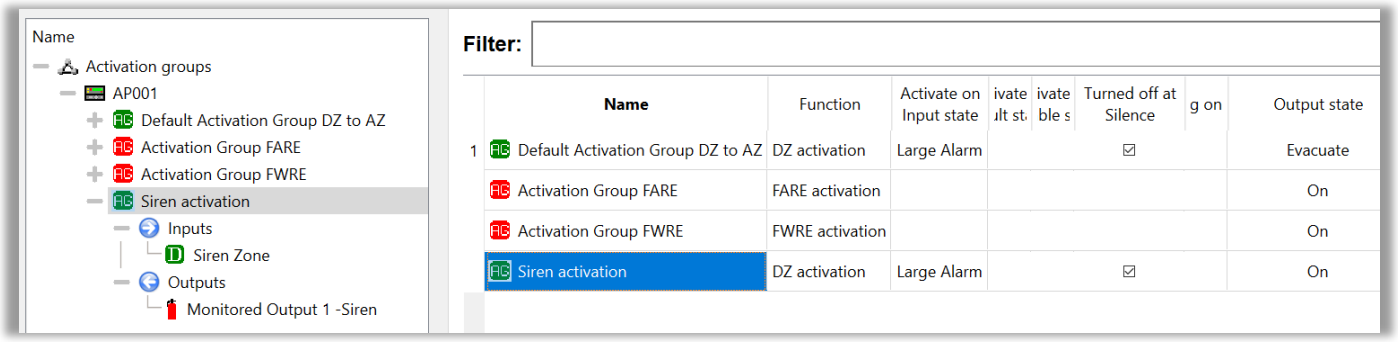


Tip: Configure constant 24 V output for a siren or flash

Some installations have alarm equipment (FADs), like siren or blitz, that require a constant 24 V output when regular FADs/VADs are activated.
Such a signal can be generated by configuring the General Alarm pattern to all 111111s, and then using several Alarm Zones to control what pattern is used for the different FAD types. For more details, see the Release Notes for AutroClient 1.0.7.

This configuration requires that you are careful with sub-AZs and the priorities between the different ringing patterns.

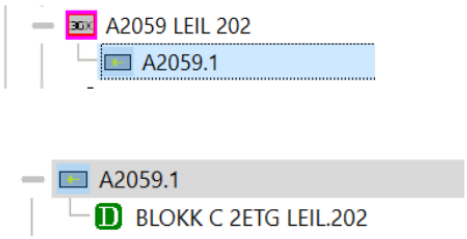
An alternative is to use an on-board Output and select the function “General Output” (FPE). You must then create a DZ activation rule for this output in Cause & Effect.
Note the use of “Turn off at Silence”; then the on-board output siren will make noise only when other sounders are active.
This configuration does not have any problems related to pattern priorities etc.



Disable DZ view

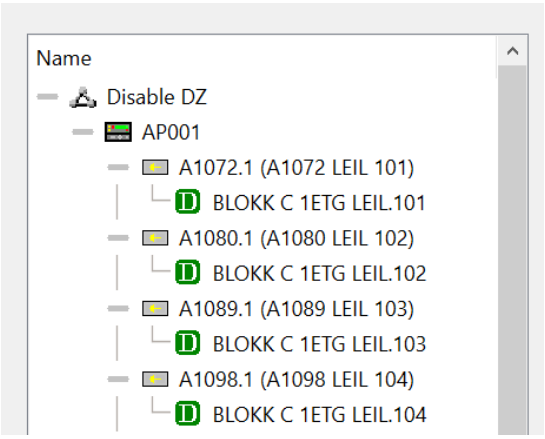
Improvement: Show “flat name” on the BN-303/O unit

The setup in “Disable DZ” is hard to read depending on what units have been assigned automatic names.
For example, in AutroClient 1.0.7, the “Pizza button” function has no name. When connecting it to a DZ, it was not easy to see that this is the correct button:



Now, the carrier name is copied to the function unit when presented on-screen.

For example, if the inputs have the system default name, it is now much easier to see that DZ assignments are correct:



If the installer has added the same name to both carrier and input, we now see the same information twice:

Fixed bug: Crash when removing a DZ connected to a BN-303/LS “pizza button”

This now works correctly.

Log reader view

Improvement: Show Unit name and Properties

Reading the log in previous AutroClient versions could be cumbersome, as the reference was UnitId (like A123) and you had to cross-reference that with either the `Config.xml` or the System view in 1.0.7.
Now the unit's name and several properties are listed, so that you can see what equipment type this is.
Note: To get names you must open `Config.xml` before you open a log from the same panel.

Output State	N	A14	A0108	Hardware = S-VADW Function = Fire Alarm Device sounder strobe	Unit Function = FAD Sounder&Strobe Act State = Evacuate Op State = Evacuate
Output State	N	E3	BRANNALARM OVERFØRING	Hardware = Relay Output 1 Function = FARE	Unit Function = FARE Act State = On Op State = On
Output State	N	A3	A0102	Hardware = BBQ-130 Function = Fire Alarm Device sounder strobe LSI = 003	Unit Function = FAD Sounder&Strobe Act State = Evacuate Op State = Evacuate
DZ State	N	J2	GANG VED KJØKKEN MANUELL MELDER	Detection Zone Function = Immediate	DZ Activation State = Large Alarm DZ Points Ack State = silenced
Point Alarm	N	A1	0101 MANUELL MELDER	Hardware = BF-300 Function = Manual Call Point LSI = 001	Alarm State = Alarm Ack State = Not Acknowledged DZ Id = GANG VED KJØKKEN MANUELL MELDER (J2), Point Blocked = Not Blocked

Example fault message: You see the name of the units before/after a loop break.

Fault Status	-	A0	Loop Driver 1	Hardware = BSA-200A?B/HWrev.7 Function = AutroLooper	Fault State = Fault Fault Type = FT_LOOP_CABLE_SHORT_OPEN Fault Detail = FD_LOOPCABLE_OPEN_CIRCUIT_MINUS Parameter List = 0108 (A12), 0110 (A16)

Fixed bug: Enable/disable source information

You previously could see this message, which was confusing because it mentioned both "enable" and "disabled":

User Arm Command	-	B0	Arm Command = Enable Time to enable = 2022-05-04 17:49:16.566 Source = The unit has been disabled by user (operator)

The log is built by a parser system that cannot create different texts based on values earlier in the fault info.
Now the output looks like this (which is also less wordy):

Arm State	N	E4	Feilvarsling	Hardware = Relay Output 2 Function = FWRE	Arm State = Enabled Source = System
User Arm Command	-	E4	Feilvarsling	Hardware = Relay Output 2 Function = FWRE	Arm Command = Enable Time to enable = 2024-09-26 14:17:08.312 Source = User (operator)
Arm State	N	E3	Brannvesen	Hardware = Relay Output 1 Function = FARE	Arm State = Enabled Source = System
User Arm Command	-	E3	Brannvesen	Hardware = Relay Output 1 Function = FARE	Arm Command = Enable Time to enable = 2024-09-26 14:17:06.875 Source = User (operator)

Note that the Autroprime panel sometimes sets wrong source information for Disable/Enable. AutroClient just presents the information.

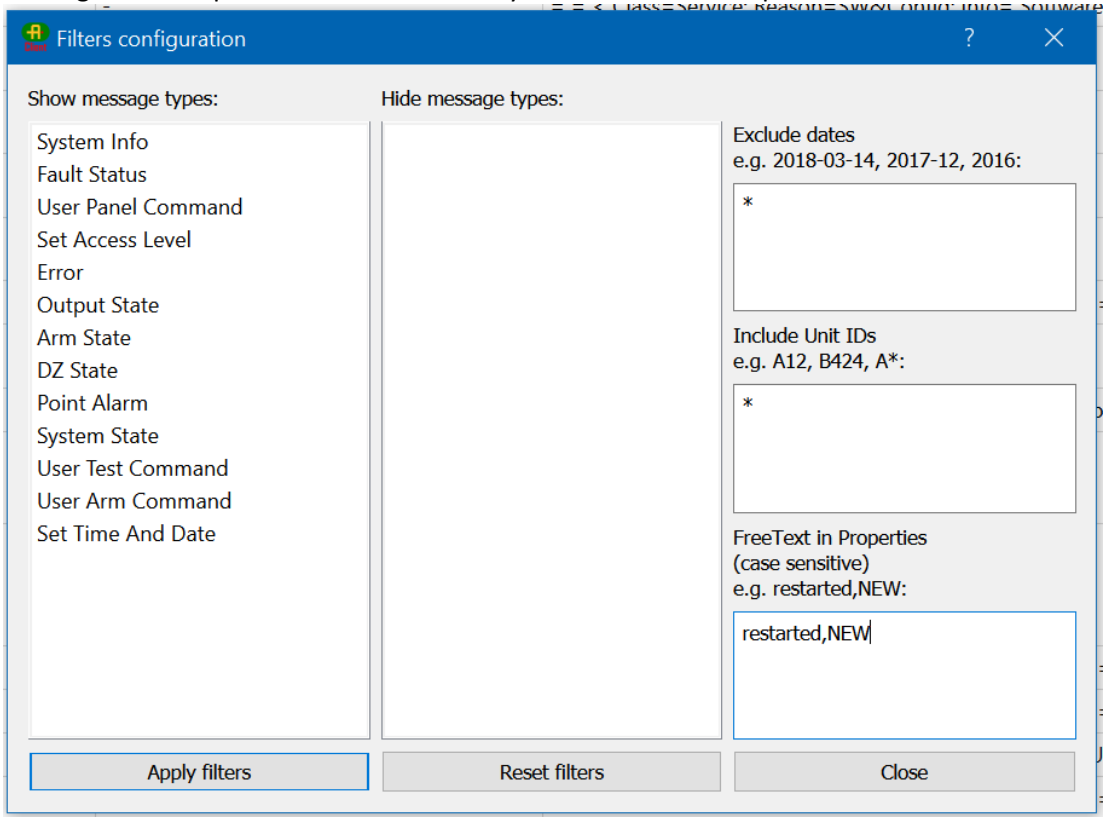
Improvement: Minor text updates

- Fault texts used informal internal names. “AUTROLOOPER” was replaced by “LOOPDRIVER”.
- “DOUBLELOOP” was extended with “/ Unexpected LoopUnit restart”.

  A “Double loop” is a branch that has been wired into the main loop again.
  The LoopDriver detects such a wiring problem and sets up a fault message “Illegal topology – double loop”.
  The way it detects the problem is that it will power down already found branches, then power the loop from the IN terminal, and if it gets a restart (power-up) message from an already known unit it must be double-loop.
  What we often see is that an unstable loop unit anywhere on the loop restarts, and then the double-loop fault is meaningless.

Improvement: New filter function – free text search in properties

The log contains quite a few entries like “System Info”. It’s now possible to enter text to search for:



For example, we might want to search for units that have restarted (the dreaded V-430-S-VAD problem). In addition, we want to see the resulting unit after several restarts, which Autroprime thinks is a new unit as it’s a detector only. So we search for “restarted,NEW”.

The result looks like this:

Name	Unit Properties	Properties
Loop Driver 2 (2.etg/3.etg/tak)	Hardware = BSA-200A?B/HWrev.7 Function = AutroLooper	Fault State = Fault Fault Type = FT_CONFIGURATION_MISMATCH_GENERAL Fault Detail = FD_TOPOLOGY_UNITS_NEW Parameter List = Loop Driver 2 (2.etg/3.etg/tak) (B0)
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID B26 restarted: ConfigID B46, 2019, V-430-S-VADW/AP>
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID A40 restarted: ConfigID A40, 1032, V-430-S-VADW/AP>
Loop Driver 2 (2.etg/3.etg/tak)	Hardware = BSA-200A?B/HWrev.7 Function = AutroLooper	Fault State = Fault Fault Type = FT_CONFIGURATION_MISMATCH_GENERAL Fault Detail = FD_TOPOLOGY_UNITS_NEW Parameter List = Loop Driver 2 (2.etg/3.etg/tak) (B0)
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID A40 restarted: ConfigID A40, 1032, V-430-S-VADW/AP>
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID A12 restarted: ConfigID A12, 1009, V-430-S-VADW/AP>
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID B6 restarted: ConfigID B6, 2003, V-430-S-VADW/AP>
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID B47 restarted: ConfigID B41, 2020, V-430-S-VADW/AP>
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID A40 restarted: ConfigID A40, 1032, V-430-S-VADW/AP>
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID A40 restarted: ConfigID A40, 1032, V-430-S-VADW/AP>
-	-	= = < Class=Metrics: Reason=Loop Measure: Info=LoopUnitID A40 restarted: ConfigID A40, 1032, V-430-S-VADW/AP>

Improvement: Show System Monitor log (SM_Log1.txt)

The Autroprime panel will export one or more files called `SM_Log1.txt`, `SM_Log2.txt` etc.
These are written by the panel's System Monitor, which is software that starts up the Fire panel application, monitors that it behaves normally, and does service functionality like software upgrade.

AutroClient now merges the SM_Log into the regular log, sorted on timestamp.

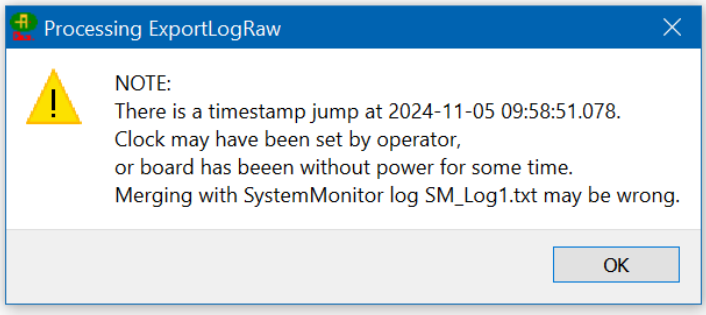
The SM_Logs are simple text files like this:

```
2019-11-07,16:05:17,SM startup: Unknown reboot reason.
2019-11-07,16:05:18,SM startup: Unknown reboot reason.
2019-11-07,16:05:17,SM startup: Unknown reboot reason.
2024-05-03,09:42:12,System upgrade started
2024-05-03,09:43:06,SM startup: Unknown reboot reason.
2024-08-21,10:39:33,Manual Shut Down
2024-08-21,10:39:33,System goes down - reason 'CAPS Manual Shutdown'
2024-08-23,13:13:30,Caps decided to restart, Front Panel not detected!
2024-08-23,13:13:30,System goes down - reason 'CAPS Direct SysFault'
2024-08-23,13:44:11,RESET_TIMEOUT_SYSTEM_A
```

Another example, merged into the regular log. Probably the S1 button was pressed to restart the whole panel, twice:

System State	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	System State = Normal Operation
Set Access Level	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	Access level = 1
System State	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	System State = System Started
SM_Log	-	SM	SystemMonitor	-	***** SM startup: Unknown reboot reason. *****
SM_Log	-	SM	SystemMonitor	-	***** SM startup: Unknown reboot reason. *****
Set Access Level	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	Access level = 1
System State	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	System State = System Shutting Down
System State	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	System State = Normal Operation
Set Access Level	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	Access level = 1
System State	-	P32	BRANNSENTRAL	Hardware = BS-200 Function = Operator panel	System State = System Started

The SM_Log is merged by comparing timestamps in the two logs. If the regular log contains timestamps that jump backwards in time, the log merge can be wrong.



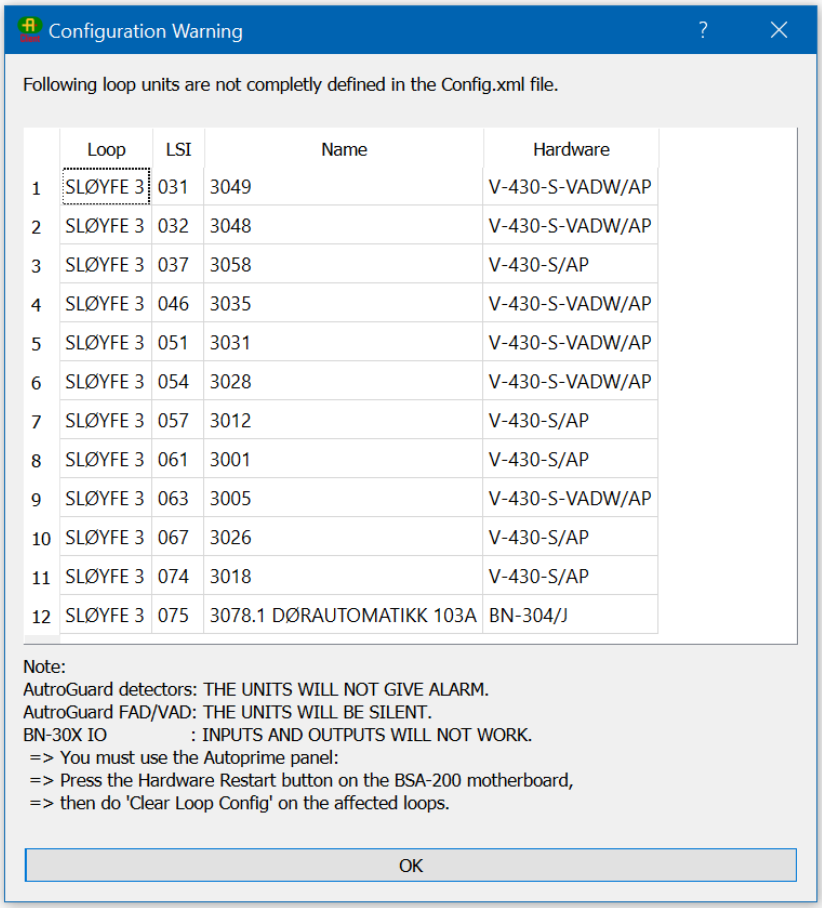
Warning boxes

Improvement: Check for incomplete configuration

Sometimes, so-called sub-addressed units in the Autroprime configuration have a base/carrier, but no application units (input/output/detector/FAD). The unit types in question are BN-30X and AutroGuard V-430-S (/-VAD). This happens very seldomly (about once per 500 Autroprimes).

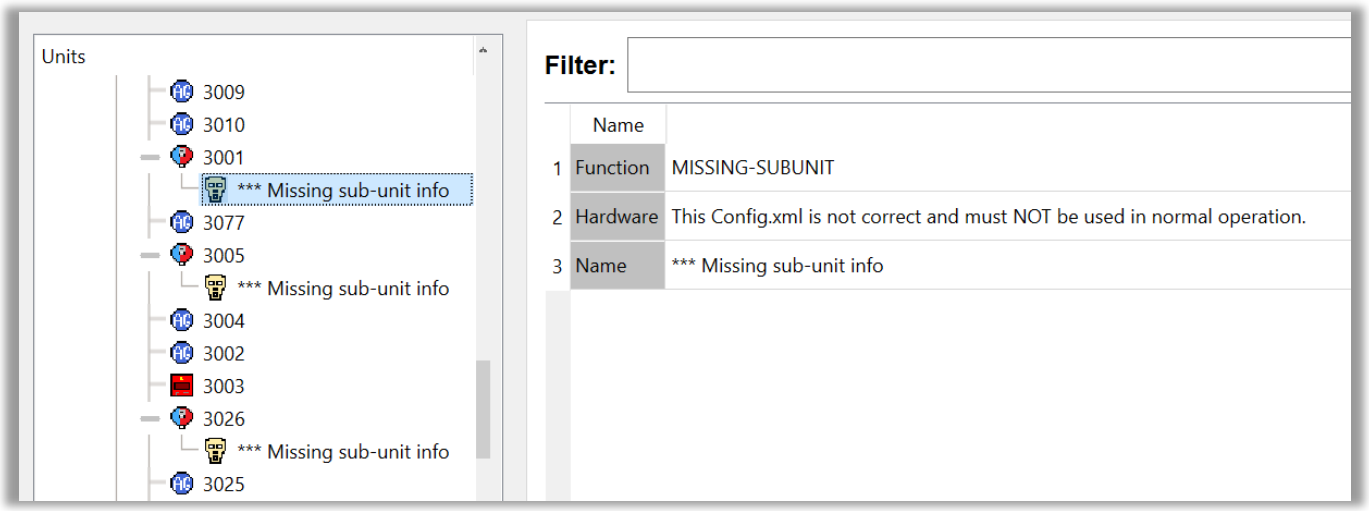
This is a serious problem, and you must take action.

- Autroprime 2.1.9 or later gives a warning if it starts up with such a configuration.
  See the Release Notes for Autroprime 2.1.9 for different ways to correct the situation.
- AutroClient 1.0.8 performs the same test when `Config.xml` is opened and shows a list of units, because the problem can affect several units (often at the end of a loop) when it happens.



	Loop	LSI	Name	Hardware
1	SLØYFE 3	031	3049	V-430-S-VADW/AP
2	SLØYFE 3	032	3048	V-430-S-VADW/AP
3	SLØYFE 3	037	3058	V-430-S/AP
4	SLØYFE 3	046	3035	V-430-S-VADW/AP
5	SLØYFE 3	051	3031	V-430-S-VADW/AP
6	SLØYFE 3	054	3028	V-430-S-VADW/AP
7	SLØYFE 3	057	3012	V-430-S/AP
8	SLØYFE 3	061	3001	V-430-S/AP
9	SLØYFE 3	063	3005	V-430-S-VADW/AP
10	SLØYFE 3	067	3026	V-430-S/AP
11	SLØYFE 3	074	3018	V-430-S/AP
12	SLØYFE 3	075	3078.1 DØRAUTOMATIKK 103A	BN-304/J

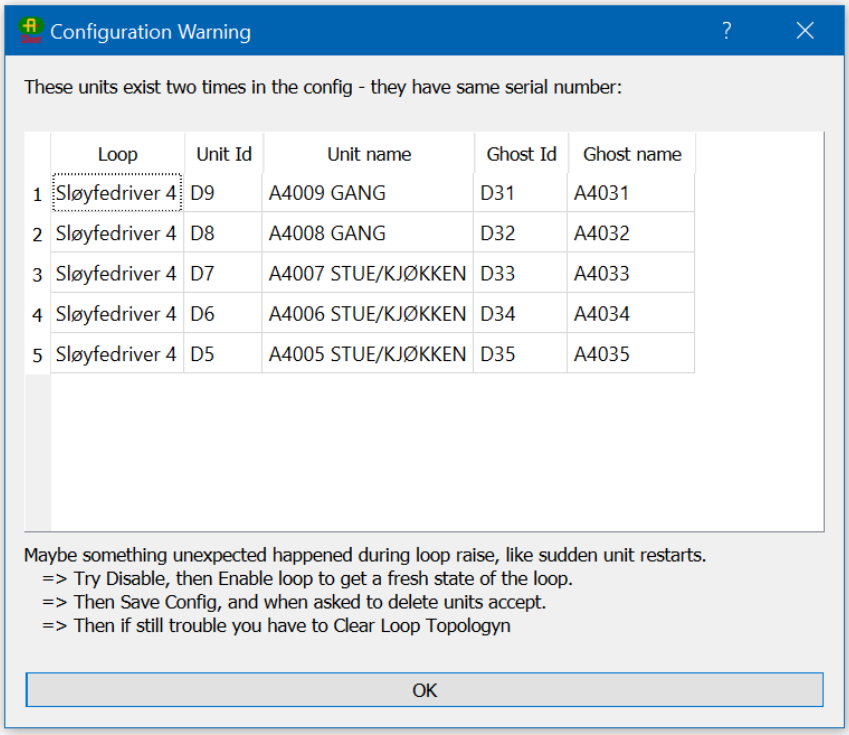
After the configuration has been opened, the problem units are shown in the tree view:



If you try to configure DZs or AZs, the units are NOT listed there, so it's not possible to continue with this configuration until you have used the Autroprime panel to save a new, valid configuration.

Improvement: Check for "ghost units"

In rare situations, a saved configuration contains the same units twice (the same serial numbers occur twice in the same loop). The panel still works, but the situation should be cleaned up.

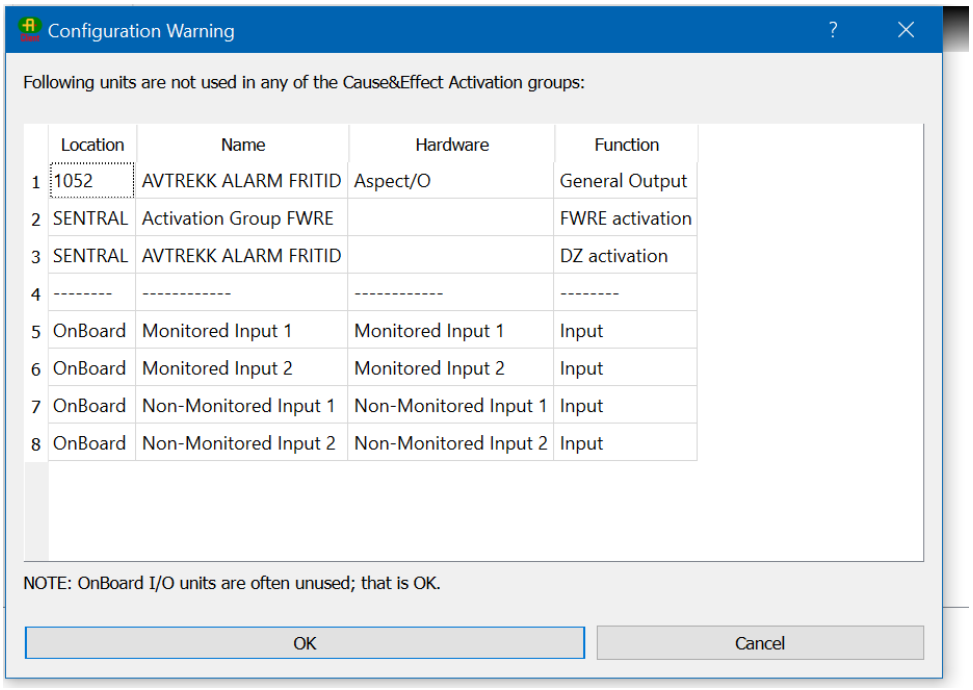


Improvement: Tuned the check for unused inputs to Cause & Effect

When you save a configuration, AutroClient checks for input units that are not configured in the Cause & Effect, because you might have loop-based BN units that you forgot to configure.

There are two improvements to this check:

- If you have set up dedicated Detection Zones for all detectors and the default DZ is empty, you no longer get a warning that it's not used.
- The list of unused inputs previously started with OnBoard inputs, and those are in many installations not in use.
  The interesting ones were at the bottom of the list, and not so easy to spot.
  Now the OnBoard inputs are at the bottom of the list, and there is a line separating them. The text "OnBoard" was moved to the first column so that it's easier to see why these are unused.



Fixed bug: Check for old firmware version in loop units complained about MCP V1

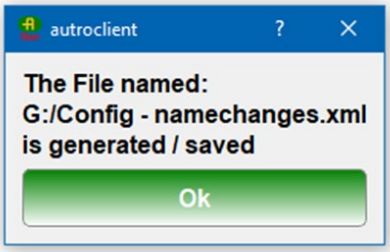
AutroClient 1.0.7 introduced a check for early firmware versions (e.g., for BN-30X), because these can contain dangerous bugs.
This check also did a test for MCP V2, which was introduced around the same time (2010).

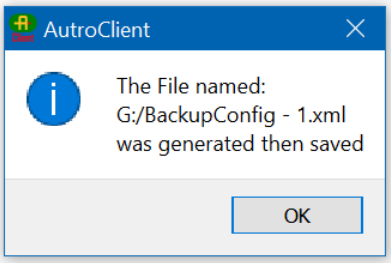
The test was intended to ignore MCP V1 from year 2000 an onwards, but was unfortunately implemented wrongly. This has been corrected, so now MCP V1 is handled correctly.

Other improvements

Consistent message boxes

Previously, message boxes had two layouts, one Windows style and one general OS style. Now, the message boxes use Windows style.





Another improvement is that all message boxes are placed over the center of the AutroClient application.
With modern large screens, and many users having two screens, such boxes appeared in unexpected locations.
Note that when the Windows File Save Dialog asks if you want to overwrite an existing file, that message box is displayed in the center of the screen, and we can't control that.

Checks for pulse patterns that are all 000000

It was previously possible to configure a ringing pattern as all 00000 pulses. This would result in complete silence in FADs.
This should be detected in manual tests during commissioning, but AutroClient has now also implemented several checks to detect this situation:

- When opening an existing configuration, you will be warned if there is a Cause & Effect rule activating a silent pattern.
- When configuring in Cause & Effect, you will be warned if you select a silent pattern.
- When configuring a pattern, you will be warned if you set it to all 0000 if this pattern is used in a Cause & Effect rule.

The Autroprime panel will from 2.1.10 give a fault message if a silent pattern is activated. This test will catch older configurations that are wrong.

Show "wait cursor" when doing lengthy file operations

When AutroClient handles files, like reading a log and exporting/importing .CSV files, it now shows a standard Windows wait cursor (a blue circle or an hour glass, depending on the Windows version).

Other bugs fixed

AutroClient asks you to save only when something really changed

Previously, you were always asked to save the configuration, even when you had only opened a configuration to inspect it.

"AutroClient Online" functionality

We do no maintenance on the AutroClient Online functionality, and we do not recommend using it.

Specifically, we do not recommend loading panel `Config.xml` via the Online feature. Use a USB pin instead.

Other known issues AutroClient 1.0.8

Functionality not supported in AutroClient

AutroClient is missing a number of commands/settings that can be, and for now must be set on the panel. For example:

- Settings in the External Interfaces menu: TCPIP, Serial Port, ESPA, Modbus, VDR, Remote Access
- System Settings commands: Day Mode Operation Times

Online configuration - missing properties

This only applies when connecting to an Autroprime panel using TCP/IP connection and doing online configuration. When viewing properties for the DID BW-200, the property showing the disable time is missing, i.e. it is not possible to change the disable time. Property PanelBS200Conn is also missing.