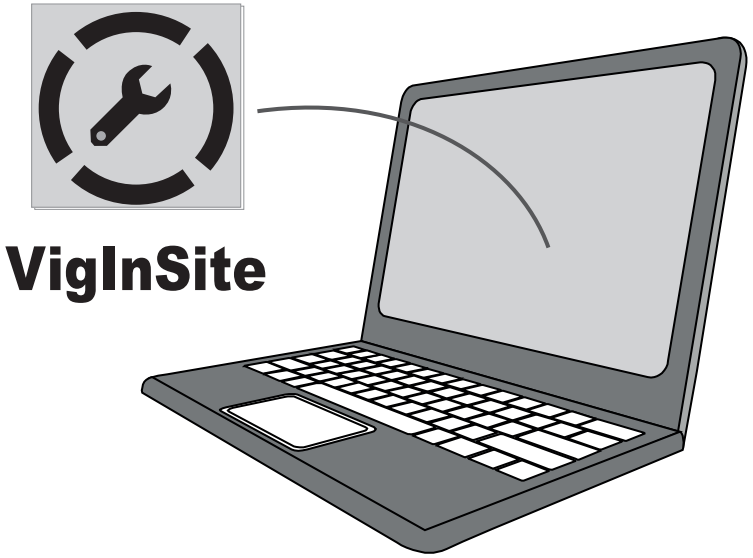
Honeywell
GENT

User Guide

VigInSite Tool

V2.04



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Unlicensed

Standard licence

Advanced licence

Preface

This is the second issue of the User Guide for VigInSite Tool V2.04, it covers the changes to include Loop Builder and Input Simulator features, fire log filter options plus updates to include changes to screens layouts. The VigInSite Tool is designed for use by commissioning and maintenance Engineers, for faster turnaround of resolution to work on site and to resolve issues. When connected to a panel it is possible to view panel and loop device health information for ease of maintenance. The tool may also be used to program Loop Simulators to connect to an Off site system to simulate an On Site system. It may also be used to update panel card firmware using Credits.

VigInSite Licences

Unlicensed

You can view event logs, panel build to include installed cards and loop device build for loop circuits. The About option provides information on VigInSite version number plus customer service and technical support contact information.

Standard Licence - licensed by Vigilon Commissioning Tool

In addition to the Unlicensed functions you can view loop device health, active disablements, domain and panel list and software version of cards in the connected panel plus card firmware update.

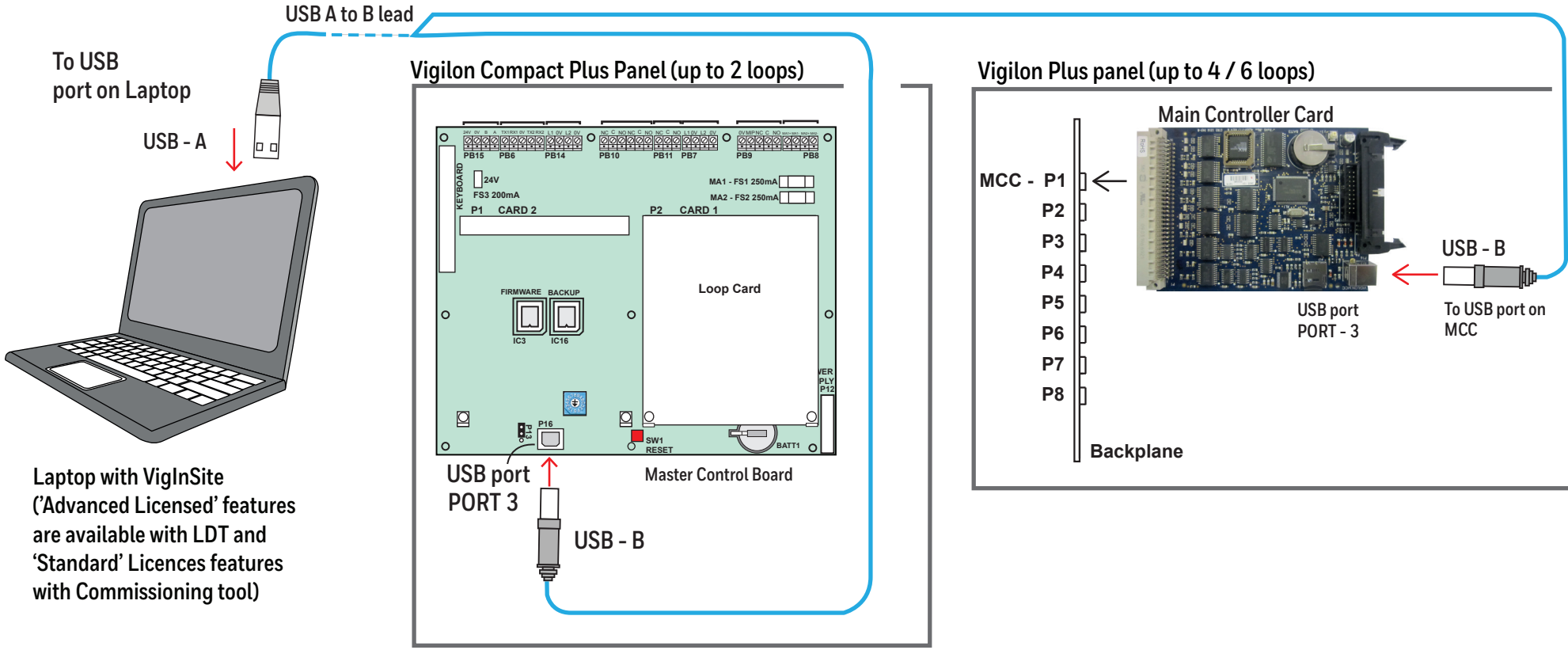
Advanced Licence - licensed by Vigilon Loop Diagnostic Tool

In addition to the Standard licence functions you can view advanced information associated with devices to include label, map, condition codes, states, zones and sectors information. There is also device health data with flags to show if any device need maintenance. This information can be saved as a text file as well as an Excel report file. Additionally, the Excel report can be viewed graphically. The loop builder feature allow off-line creation of loops, which is part of the process to program loop simulators. The loop diagnostics allow loop circuit fault and location to be identified. Safe system condition can be viewed to show status of timers to alarm.

	Unlicensed	Standard licence	Advanced licence
Active Events	✓	✓	✓
Fire Log	✓	✓	✓
Historic Log	✓	✓	✓
System Treeview	✓	✓	✓
About	✓	✓	✓
Loop Device Health		✓	✓
Disablements		✓	✓
Domain & Panel List		✓	✓
Software Versions		✓	✓
Credits		✓	✓
Firmware control		✓	✓
Advanced Loop			✓
Find Device			✓
Network Routing			✓
Test Fire Log			✓
Loop Simulator			✓
Loop Builder			✓

Wiring

Here is the wiring diagram that shows where to connect the USB A to B lead between the Laptop and Vigilon Plus panel or Vigilon Compact Plus Panel.



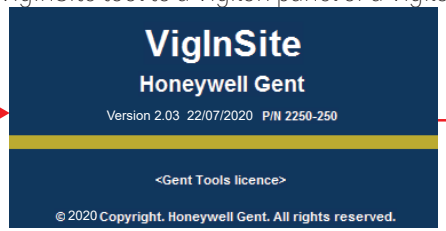
How to launch VigInSite and login to the connected panel

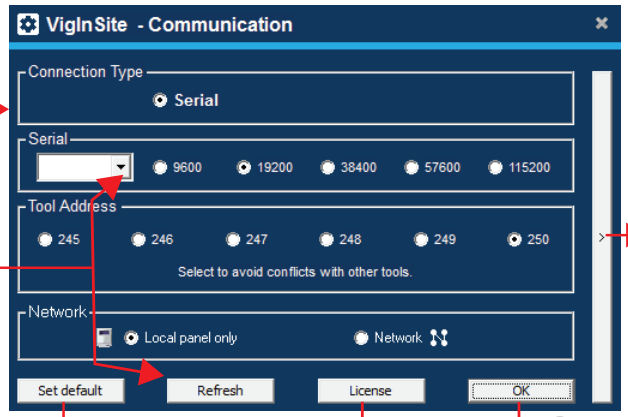
Here is how to connect VigInSite tool to a Vigilon panel or a Vigilon Compact panel.

Select the **ViginSite** icon.



①

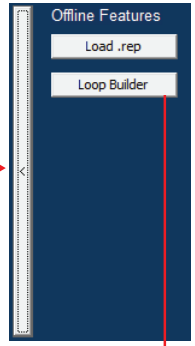




② Click on the **Refresh** button to list available COM ports. Select the required COM Port. Note the USB driver software is automatically installed once the tool is connected to the panel.

Select the **Set default** button to save the COM port, tool address and Baud rate for quicker start up next time.

① , ② ….ⓝ are suggested steps of operation.



You can open a previously saved report **.rep** file offline in Excel using **Load.rep** button in VigInSite. Once opened the file can be saved as a **.xls** or a **.xlsx** file. This feature is used where a file was previously saved using **Save.rep** button on *Device Health* page. The Loop Builder button allows building of a system offline for simulation.

Click and See page 24 How to build a Loop

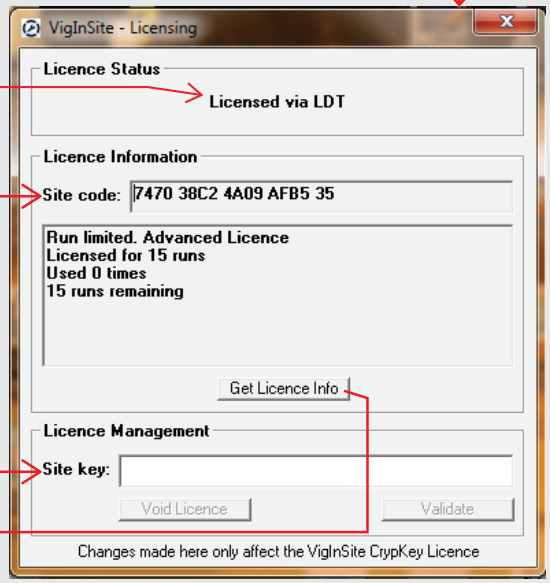
③ Select the **OK** button when COM port is recognised.

④ Next page

After a short duration the VigInSite window will appear for further action to access the panel.

Select the **License** button to view the licensing of VigInSite tool.

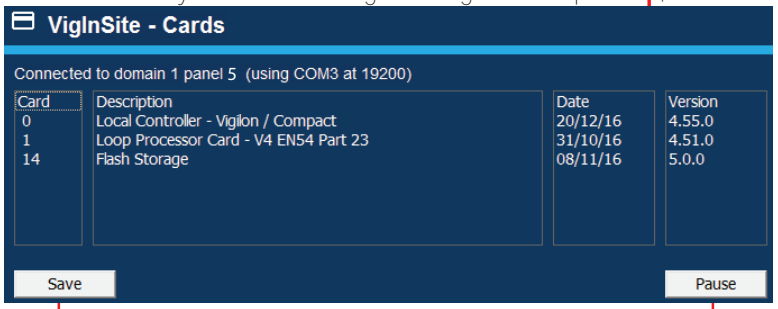
When VigInSite tool is installed it is automatically licensed if the laptop has:
- Vigilon Commissioning tool or
- LDT tool or both.



A special case licence feature using Site code and Site key entry are normally not used as the tool is licensed via LDT or Commissioning tool.

Select the **Get Licence info** button to refresh the license information.

This is a transitory window as the ViginSite logs into the panel.



Select the **Save** button to save panel cards information to a text file in location: *My Documents\VigInSite\Cards.*

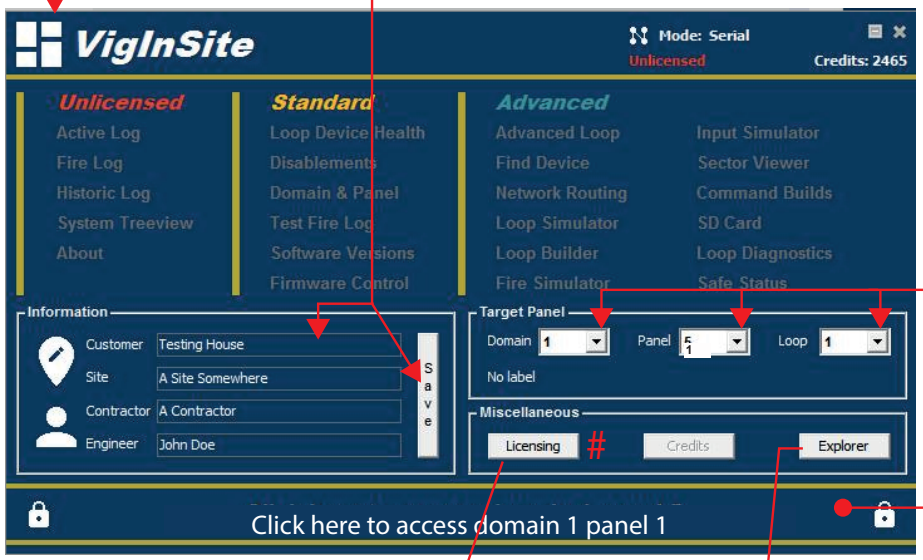
Select the **Pause** button to stop the connection and **Continue** when ready.

Launch VigInSite continued...

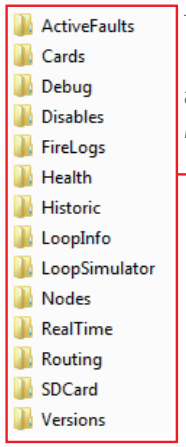
④ From the previous page.

⑤ Enter the mandatory Customer site and contractor information here and then select the **Save** button.

⑥ Select the required Domain number, Panel and Loop addresses of the target Vigilon panel.



The **Licensing** button opens a window for manual licensing where LDT or Commissioning tool are not installed, see previous page.

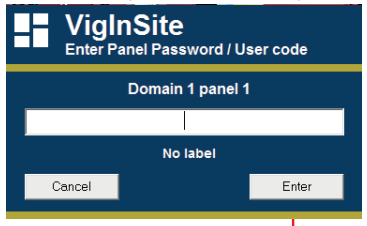


The **Explorer** button opens the location where VigInSite files are stored:
My Documents/ViginSite

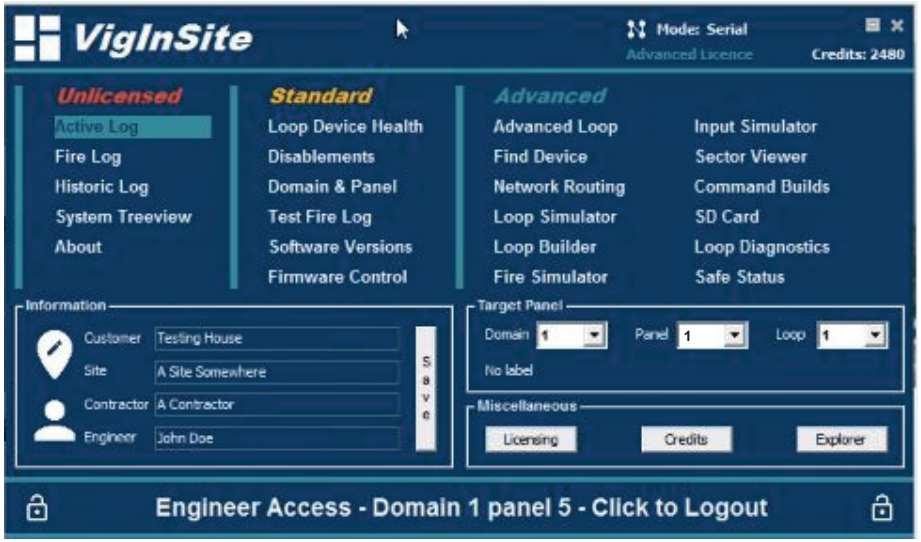
\# - See *Licence* information on the previous page.

⑦ Click here to access the panel.

⑧ Enter the Vigilon Panel's AL3 PIN and select the **Enter** button.
If there is no protection at the panel then just select the **Enter** button.



VigInSite is automatically licensed by installed LDT or Commissioning tool.



You can now use VigInSite to control and get information from connected panel(s).

How to view Active log

Here is how to get, view and save the Active log(s) from target panel(s).

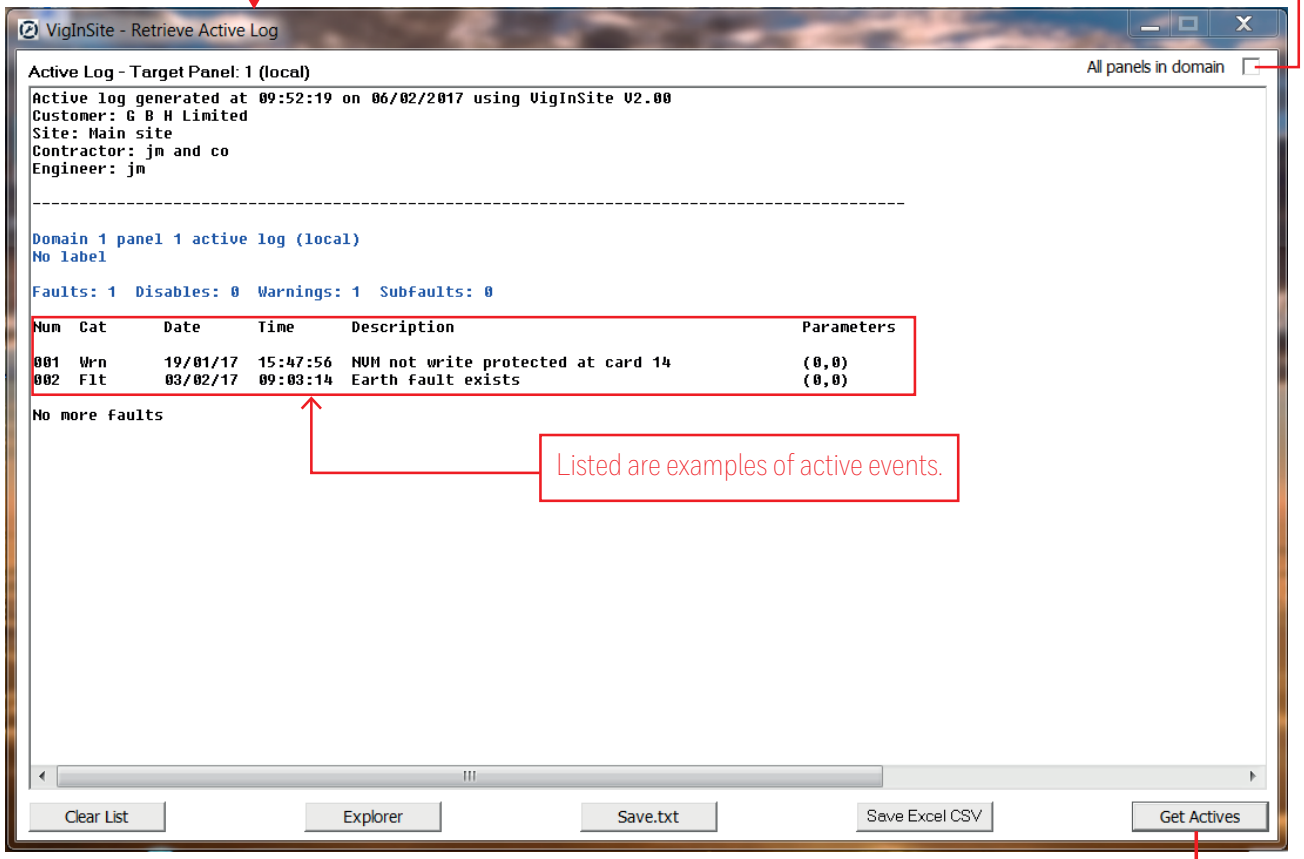
Unlicensed ✓ | Standard licence ✓ | Advanced licence ✓

① Active Log

② Get Actives

①, ②....ⓝ are suggested steps of operation.

Check this box to view Active logs from all the panels in the domain.



Listed are examples of active events.

At anytime select the **Get Actives** button to retrieve the latest Active fault log from the panel(s).

③

The Active log can be saved or cleared from the display, on completion click on X to exit.

Select the **Save.txt** button to save the displayed log to a text file for future viewing or for record.
The file is saved in a directory:
My Documents/VigInSite/ActiveFaults

Select the **Save Excel CSV** button to save the log as a .csv text file for future viewing or for record.
If this file is opened in Excel then the data can be viewed graphically and in a required manner using filters.
The file is saved in the following directory:
My Documents/VigInSite/ActiveFaults

Select the **Clear List** button to clear the displayed information.

Select the **Explorer** button to view previously saved active log files in directory:
My Documents/VigInSite/ActiveFaults

How to view Fire log

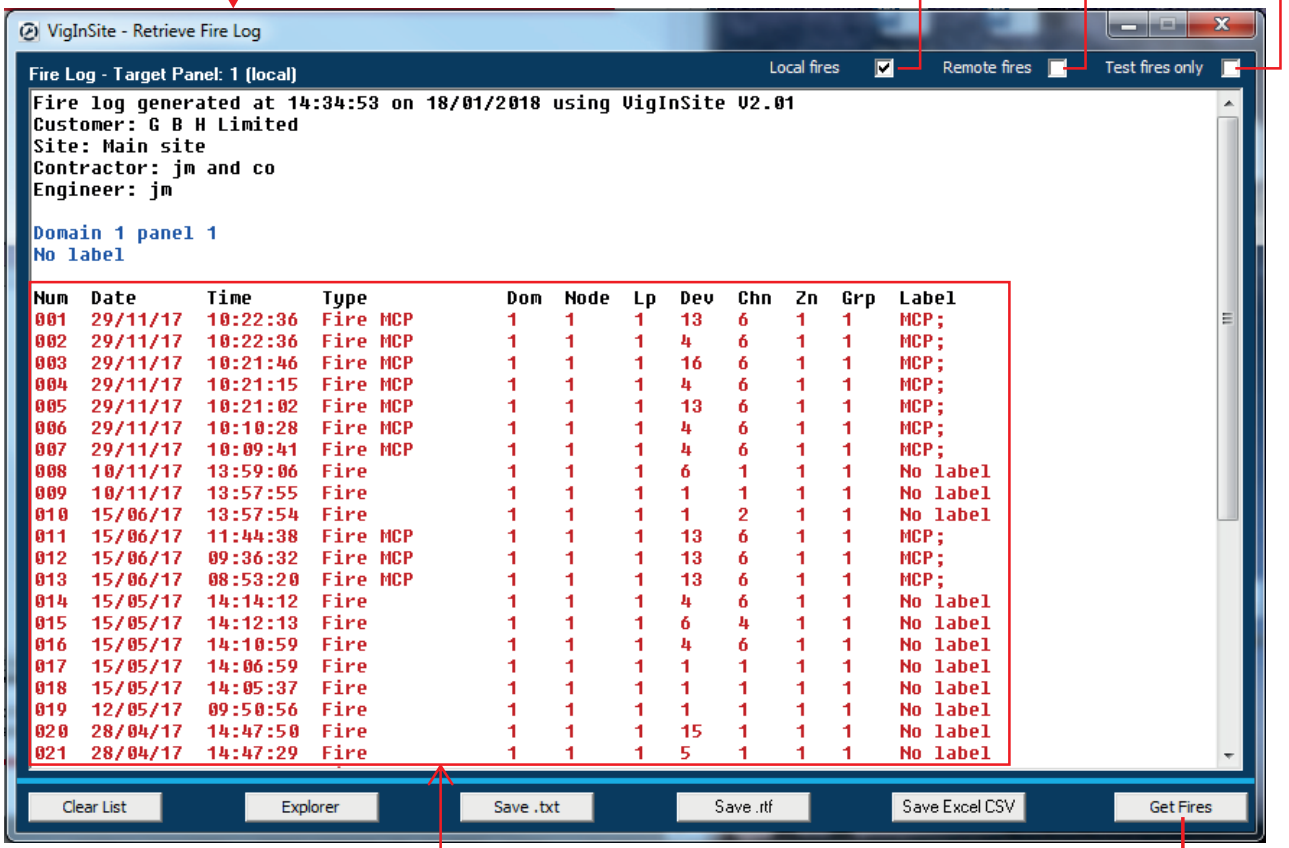
Here is how to get, view and save the Fire log from a target panel.

Unlicensed ✓ | Standard licence ✓ | Advanced licence ✓

①, ②....ⓝ are suggested steps of operation.

① Fire Log

② Get Fires



Check this box to view Local Fires from targert panel.

Check this box to view Remote Fires from Remote panel.

Check this box to view Test Fires only from target panel.

Listed here are typical Fire logs.

At anytime select the **Get Fires** button to retrieve the latest Fire log from the target panel.

③

The Fire log can be saved or cleared from the display.

Select the **Save.txt** or **Save.rtf** button to save the displayed log to a text file for future viewing or for record.
The file is saved in a directory:
My Documents/VigInSite/FireLogs

Select the **Save Excel CSV** button to save the log as a **.csv** text file for future viewing or for record.
The file is saved in the following directory:
My Documents/VigInSite/FireLogs
The file can be opened in Excel.

Select the **Clear List** button to clear the displayed information.

Select the **Explorer** button to view previously saved fire log files in directory:
My Documents/VigInSite/FireLogs

On completion click on X to exit.

How to view Historic log

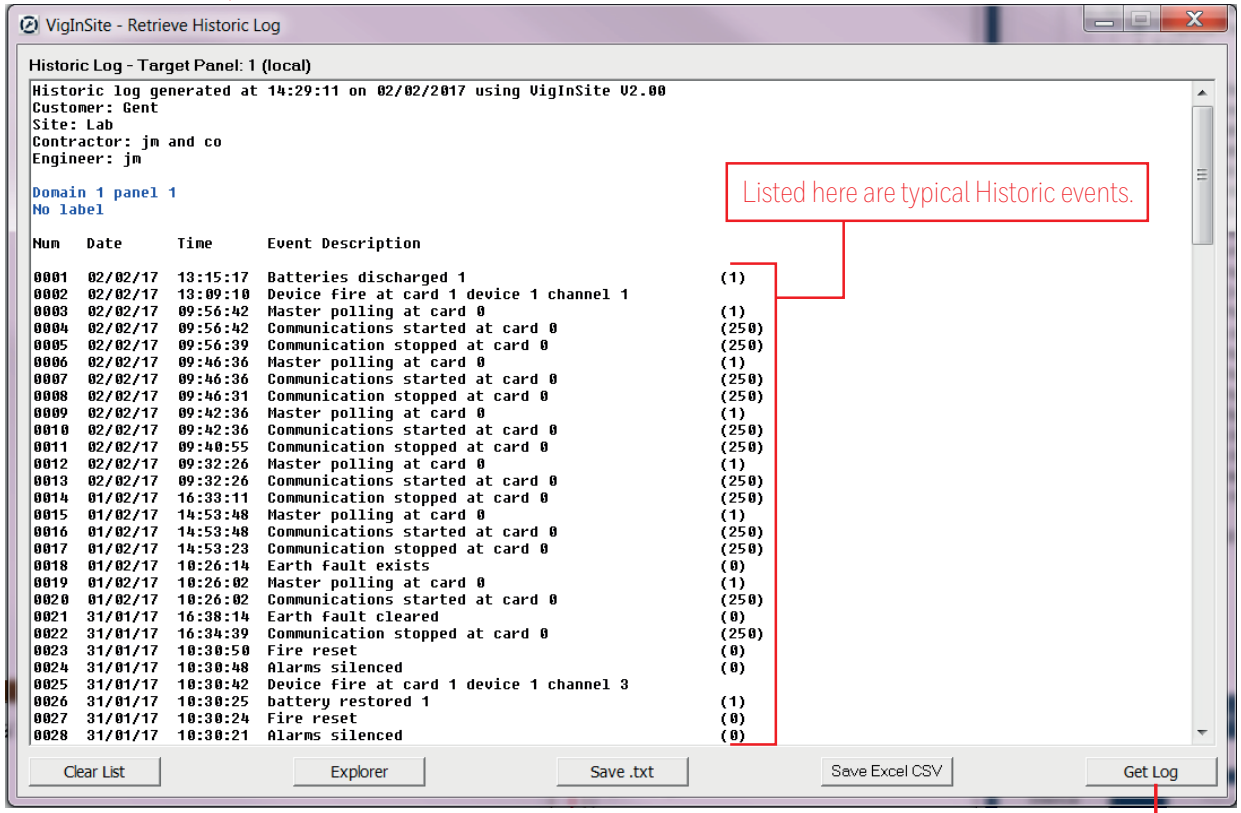
Here is how to get, view and save Historic events log from a target panel.

Unlicensed ✓ | Standard licence ✓ | Advanced licence ✓

① Historic Log

② Get Log — Wait until the Event download is complete.

① , ② ....ⓝ are suggested steps of operation.



Listed here are typical Historic events.

At anytime select the **Get Log** button to retrieve the latest Historic log from the target panel.

③

The Historic log can be saved or cleared from the display, on completion click on X to exit.

Select the **Save.txt** button to save the displayed log to a text file for future viewing or for record.
The file is saved in a directory:
My Documents/VigInSite/Historic

Select the **Save Excel CSV** button to save the log as a .csv text file for future viewing or for record.
The file is saved in the following directory:
My Documents/VigInSite/Historic
The file can be opened in Excel.

Select the **Clear List** button to clear the displayed information.

Select the **Explorer** button to view previously saved active log files in directory:
My Documents/VigInSite/Historic

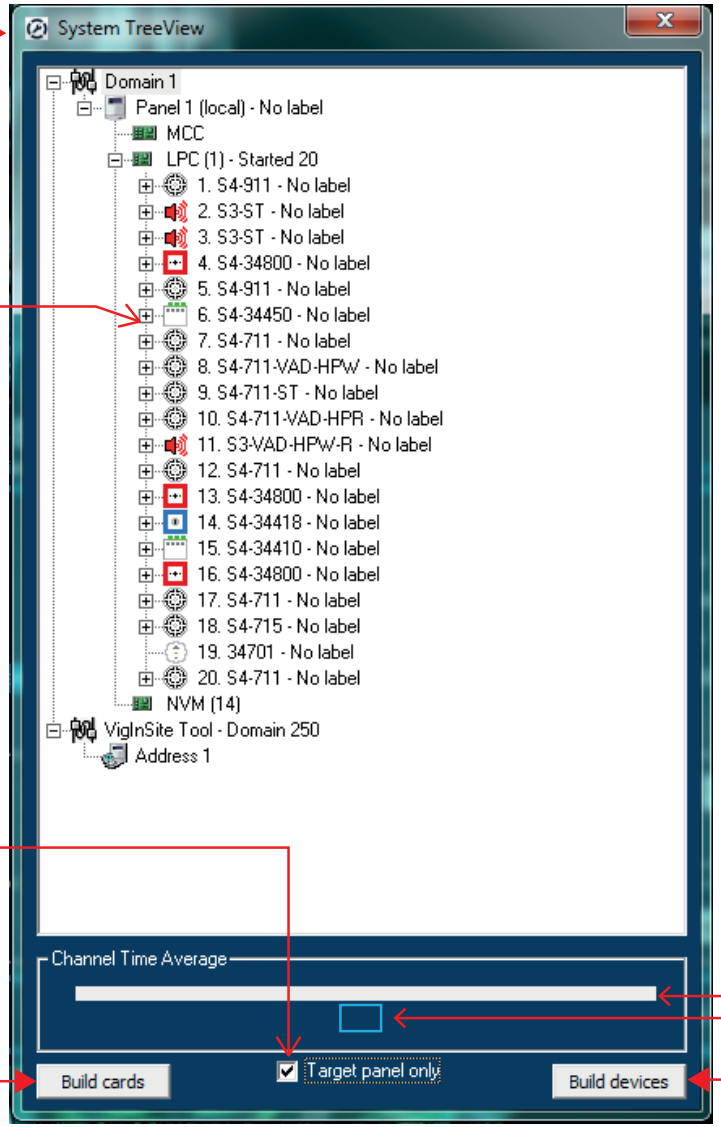
How to view System Tree

Here is how to retrieve the panel build and device build of loop circuits.

Unlicensed	Standard licence	Advanced licence
✓	✓	✓

①, ②....ⓝ are suggested steps of operation.

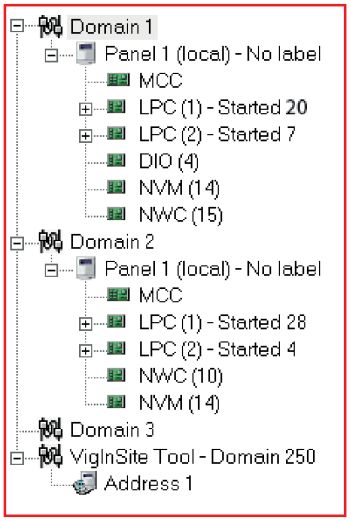
① **System Treeview**



Initially only the Build of Cards in panel (s) are displayed.

You can expand any device to view its elements.

If 'Target panel only' box is unchecked then all the panels of all domains are listed, as shown here:



By checking this box the retrieval is from the *target panel* only.

The time averages of a sensor element is displayed when it is selected in the treeview.

② At anytime you can select the **Build cards** button to retrieve the latest card build from the panel(s)

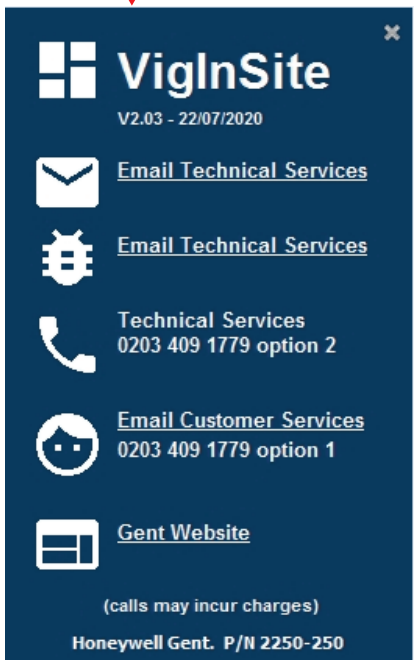
③ At anytime you can select the **Build devices** button to retrieve loop device build from the panel(s). On completion click on X to exit.

About and Contacts

Here is how to view information about ViginSite.

Unlicensed	Standard licence	Advanced licence
✓	✓	✓

About



You can view the VigInSite software version number and release date. The page also has links to technical support and customer services emails. There is also a phone number to call technical services for help. A link to Gent Website.

Click on the respective link to open email to request Technical services and to open the website in a web browser.

On completion click on X to exit.

How to view and save loop device map and labels

Here is how to get, view and save information on loop devices, such as what they are, map location on the loop and label given to each device.

Unlicensed	Standard licence	Advanced licence
×	✓	✓

①, ②....ⓝ are suggested steps of operation.

① **Loop Device Health**

② Check the required check boxes to filter description, labels and/or map to get from the connected panel(s).





(Uncheck to get information from the Target panel only)

③ Get Info

Loop / Device Information - Target Panel: 1 (local)

```
Loop / Device Information generated at 14:34:24 on 03/02/2017 using VigInSite V2.00
Customer: G B H Limited
Site: Main site
Contractor: jm and co
Engineer: jm

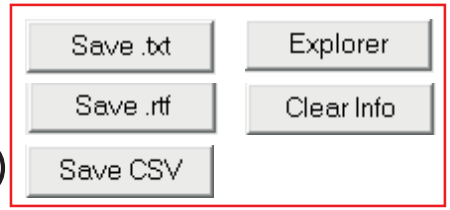
--------------------------------------------------------------------------------

Domain 1 panel 1 loop 1  (V4.51.0  31/10/16) (local)
Status: Started    Wiring: Complete    Devices: 20

Dev  Prev  Next  Com   Pos    Dir   Device description          Part No.          Device label

1    End1  2           Main   L2    Dual Opt Heat CO           S4-911            RECEPTION
2    1     3           Main   L1    S-Cubed Strobe             S3-ST             RECEPTION
3    2     4           Main   L1    S-Cubed Strobe             S3-ST             HALL
4    3     5           Main   L1    Manual Call Point          S4-34800          OFFICE
5    4     6           Main   L2    Dual Opt Heat CO           S4-911            OFFICE 2ND FLOOR
6    5     7           Main   L1    S4 Loop powered            S4-34450          PLANT ROOM
7    6     8           Main   L2    Dual Opt Heat              S4-711            OFFICE
8    7     9           Main   L2    S4 Dual Opt White VAD      S4-711-VAD-HPW    STORE
9    8     10          Main   L2    Dual Opt Heat + Strobe     S4-711-ST         2ND OFFICE 2ND FLOOR
10   9     11          Main   L2    S4 Dual Opt Red VAD        S4-711-VAD-HPR    OFFICE 2ND FLR
11   10    12          Main   L2    S3 White VAD               S3-VAD-HPW-R      OFFICE 2ND FLR
12   11    13          Main   L2    Dual Opt Heat              S4-711            STORE 2ND FLR
13   12    14          Main   L1    Manual Call Point          S4-34800          CANTEEN
14   13    15          Main   L1    Keyswitch Interface        S4-34418          OFFICE
15   14    16          Main   L1    S4 Loop powered            S4-34410          WC
16   15    17          Main   L1    Manual Call Point          S4-34800          OFFICE
17   16    18          Main   L2    Dual Opt Heat              S4-711            WC 2ND FLR
18   17    19          Main   L2    Optical                    S4-715            CANTEEN
19   18    O/C   20    Main   L1    TBreaker                   34701             STAIRS
20   19    End2        Spur   L2    Dual Opt Heat              S4-711            MANAGERS OFFICE
```

④



Select the required button to Save loop device information, Clear display or Explore files. On completion click on X to exit.

Select the **Save.txt** or **Save.rtf** button to save the displayed loop device to respective text file for future viewing or for record. The file is saved in a directory:
My Documents/VigInSite/LoopInfo

Select the **Save CSV** button to Save the loop devices as a **.csv** text file for future viewing or for record. The file is saved in the following directory:
My Documents/VigInSite/LoopInfo

The file can be opened in Excel

Select the **Clear info** button to clear the displayed information.

Select the **Explorer** button to view previously saved loop device files in directory:
My Documents/VigInSite/LoopInfo

How to filter view device health status for maintenance

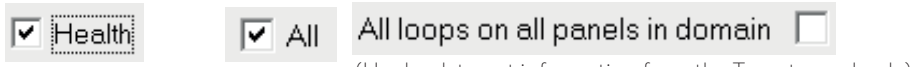
Here is how to get, view and save loop device health report to identify devices needing maintenance.

Unlicensed	Standard licence	Advanced licence
×	✓	✓

①, ②....ⓝ are suggested steps of operation.

① **Loop Device Health**

② Check the '**Health**', '**All**' and if required '**All loops on all panels in domain**' check boxes.



(Uncheck to get information from the Target panel only)

③ Get Info

Ensure loops are fully allocated and have started at the panel before you select **Get Info** button.

Loop / Device Information - Target Panel: 1 (local)

```
Loop / Device Information generated at 14:51:41 on 03/02/2017 using VigInSite V2.00
Customer: G B H Limited
Site: Main site
Contractor: jm and co
Engineer: jm

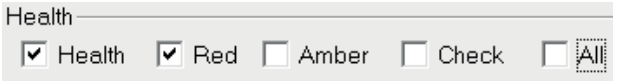
--------------------------------------------------------------------------------

Domain 1 panel 1 loop 1  (V4.51.0  31/10/16) (local)
Status: Started    Wiring: Complete    Devices: 20

Dev  Part No.          Manu date   Week    Health   Age     Criteria

1    S4-911            24/07/07    30      RED      10yrs   6/7yrs
2    S3-ST             17/06/08    24      GREEN    9yrs    18/20yrs
3    S3-ST             22/04/08    16      GREEN    9yrs    18/20yrs
4    S4-34800          23/04/08    17      GREEN    9yrs    18/20yrs
5    S4-911            24/07/07    30      RED      10yrs   6/7yrs
6    S4-34450          14/04/08    15      GREEN    9yrs    18/20yrs
7    S4-711            17/10/08    42      GREEN    9yrs    12/14yrs
8    S4-711-VAD-HPW    17/09/13    38      GREEN    4yrs    12/14yrs
9    S4-711-ST         26/10/04    43      AMBER    13yrs   12/14yrs
10   S4-711-VAD-HPR    17/09/13    38      GREEN    4yrs    12/14yrs
11   S3-VAD-HPW-R      18/09/14    38      GREEN    3yrs    18/20yrs
12   S4-711            27/01/09    4       GREEN    8yrs    12/14yrs
13   S4-34800          12/05/08    19      GREEN    9yrs    18/20yrs
14   S4-34418          12/05/08    19      GREEN    9yrs    18/20yrs
15   S4-34410          06/05/08    18      GREEN    9yrs    18/20yrs
16   S4-34800          23/04/08    17      GREEN    9yrs    18/20yrs
17   S4-711            27/01/09    4       GREEN    8yrs    12/14yrs
18   S4-715            21/10/08    42      GREEN    9yrs    12/14yrs
19   34701             07/05/08    19      GREEN    9yrs    18/20yrs
20   S4-711            27/01/09    4       GREEN    8yrs    12/14yrs
```

④ Uncheck **All** to allow filtered view of Red, Amber and Check events, select the required boxes.



Devices health is listed in the designated colours:
GREEN = Device OK
AMBER = Device approaching replacement
RED = Replace this device
CHECK = Manually inspect device to establish age

⑤ Select the required report to save and view later.



Select the **Health report (text)** button to save the filtered device health report as a text **.txt** file for future viewing or for record.
The file is saved in a directory:
My Documents/VigInSite/Health

Select the **Excel report** button to open the device health report in Excel for analysis. The report shows the device age data in list and in graphical format . The file can be saved locally.
If you do not have Excel on your laptop then you can save the file for Offline viewing by selecting the **Save.rep** button. You can open a previously **Saved .rep** file in VigInSite on a laptop having Excel by selecting the **Load.rep** button in the initial startup window.

On completion click on X to exit.

How to view and save disablement events

Here is how to get, view and save disablement events from the panel(s).

Unlicensed	Standard licence	Advanced licence
×	✓	✓

①, ②....ⓝ are suggested steps of operation.

① **Disablements**

② Check the *All loops on all panels in domain* box to get the disablements from all panels in domain.
Uncheck the box to get information from the Target panel only. All loops on all panels in domain ☐

③ Get Disables

Disablement Information - Target Panel: 1 (local)

```
Disablement Information generated at 09:12:07 on 06/02/2017 using VigInSite V2.00
Customer: G B H Limited
Site: Main site
Contractor: jm and co
Engineer: jm

-----------------------------------------------------------------
Domain 1 panel 1 disablements (local)
No label

No zone disablements
No group disablements

---------------------------
Loop 1  (V4.51.0  31/10/16)

Devices disabled list: 1,5
No I/O lines disabled
No sectors disabled

-----------------------------------------------------------------
```

This example shows devices 1 and 5 on loop 1 Panel 1 of Domain 1 are disabled.

④

The disablement information can be saved or cleared from the display.

Select the **Save.txt** button to save the displayed disablements to a **.txt** file for future viewing or for record.
The file is saved in a directory:
My Documents/VigInSite/Disables

Select the **Clear Info** button to clear the displayed information.

Select the **Explorer** button to view previously saved disablement event files in directory:
My Documents/VigInSite/Disables

On completion click X to exit.

Clear Info | Explorer | Save .txt

How to view Domain and Panel list

Here is how to get, view and save the domains and panels list to see what is on a network.

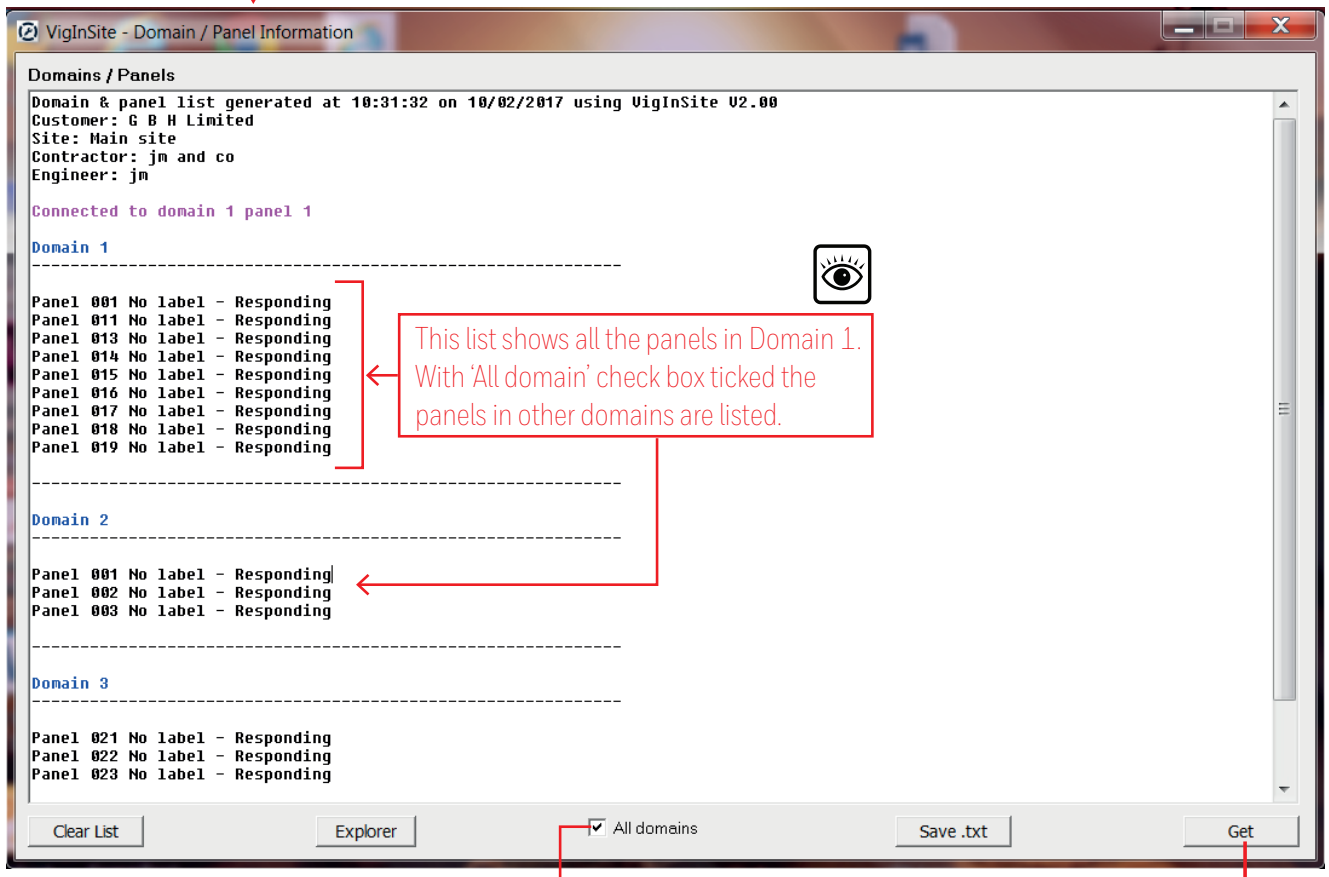
Unlicensed ×

Standard licence ✓

Advanced licence ✓

① Domain & Panel List

② Get



This list shows all the panels in Domain 1. With 'All domain' check box ticked the panels in other domains are listed.

Check this box to obtain panels in all domains.

At anytime select the **Get** button to retrieve the latest Panels in Domains information from the system.

①, ②....ⓝ are suggested steps of operation.

③ Select the required button to save, clear or explore information on panels in domains.

Select the **Save.txt** button to save the domains and panels information to a text .txt file for future viewing or for record. The file is saved in a directory: *My Documents/VigInSite/Nodes*

Select the **Clear List** button to clear the displayed information.

Select the **Explorer** button to view previously saved domain and panel files in the directory: *My Documents/VigInSite/Nodes*

On completion click on X to exit.

How to view panel card software version

Here is how to get, view and save the software versions information of Cards installed in Panels in Domains.

Unlicensed ×

Standard licence ✓

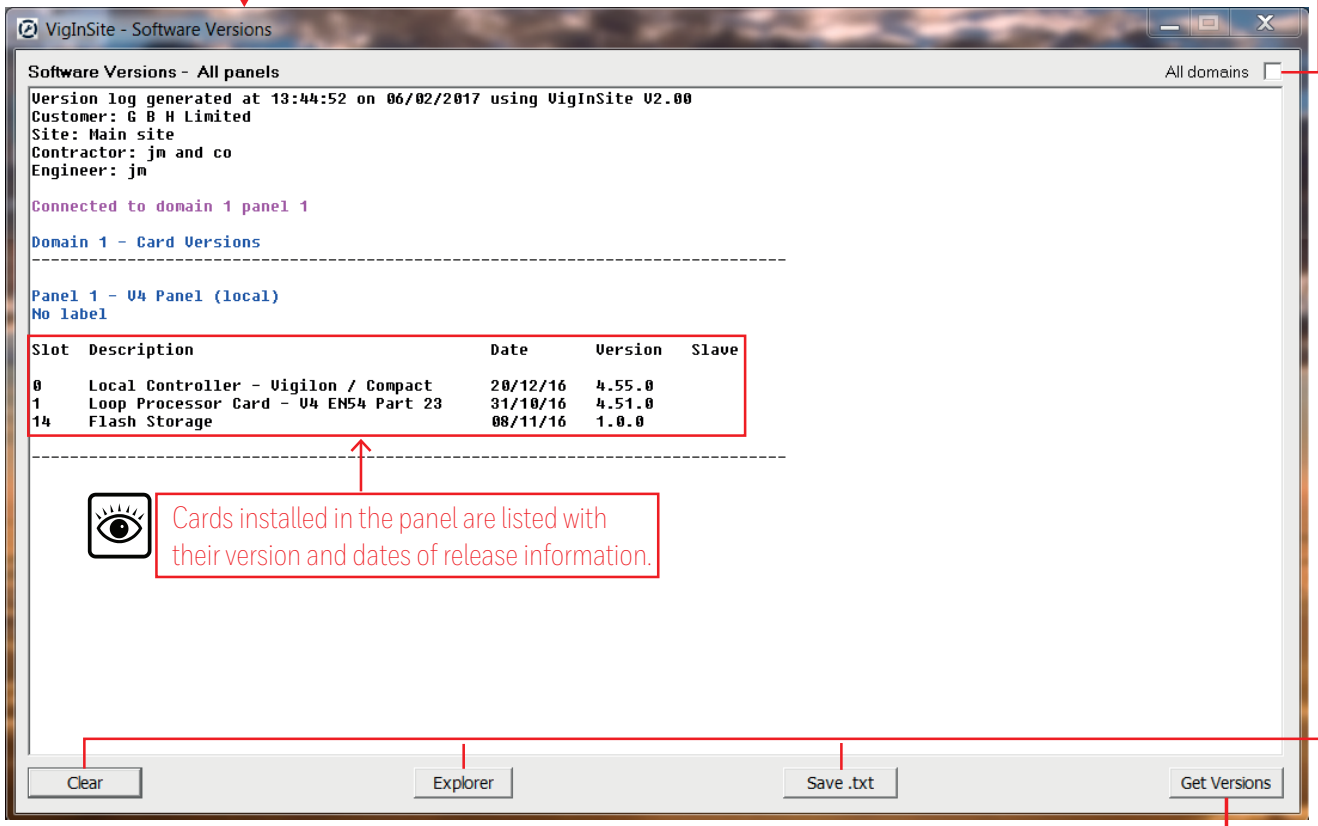
Advanced licence ✓

①, ②....ⓝ are suggested steps of operation.

① Software Versions

② Get Versions

Check this box to view cards information from all domains.



Cards installed in the panel are listed with their version and dates of release information.

③ Select the required button to save, clear or explore. information on Card software versions.

Select the **Save.txt** button to save the software version to a text .**txt** file for future viewing or for record. The file is saved in a directory: *My Documents/VigInSite/Versions*

Select the **Clear** button to clear the displayed information.

Select the **Explorer** button to view previously saved software version files in directory: *My Documents/VigInSite/Versions*

On completion click X to exit.

At anytime select the **Get Version** button to retrieve the latest Cards information from panels in Domains.

How to check and add Credits for firmware update

Here is how to check and add Credits that can be used to update card firmware on a Vigilon panel.

Unlicensed	Standard licence	Advanced licence	Engineering
×	×	×	✓

① Select the **Credits** button in the Miscellaneous box to open 'VigInSite Credits' box.





This number shows the remaining **Credits**.

② To get Credits you will need to get a code for entry in Credit key field, so select the **Get code** button and note the 18 digit Credit code .



How to update panel card firmware

Here is how to update Vigilon Plus and Compact Plus MCC, IOC, LPC and NW card firmware using a micro SD card.

Unlicensed	Standard licence	Advanced licence
×	✓	✓

①, ②....ⓝ are suggested steps of operation.

Never stop a firmware update process, always wait until the process is complete.
Stopping an update process will make the respective card UNUSABLE.
It is recommended that spare cards are taken to site for such eventuality.

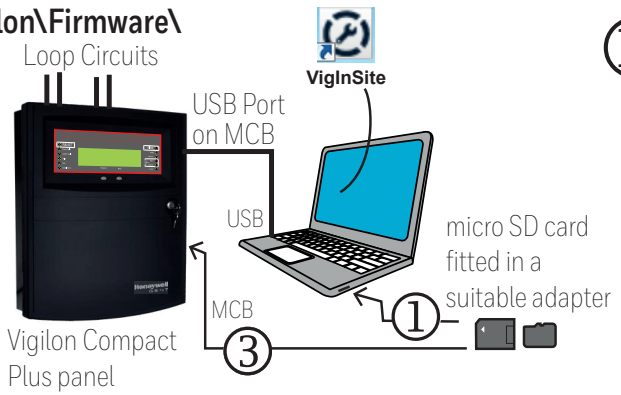
Ensure you have sufficient VigInSite credits to perform firmware updates. Also ensure the system configuration is backed up at the panel to the NVM before starting the flash update process, as the panel will automatically restart and recover backed up configuration from the NVM.

① It is assumed the required Panel Card firmware has been downloaded from GentExpert website and is saved on a mico SD card in the location: **Vigilon\Firmware**

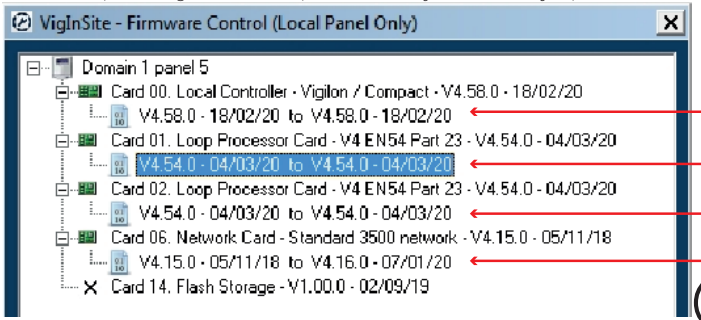
② Ensure the Laptop with VigInSite is connected to the Vigilon Plus panel whose card(s) require update(s).

③ Ensure the micro SD card with update firmware is plugged into MCC/MCB of panel.

④ At VigInSite select **Firmware Control**



⑤ Select the firmware of the Card to be updated. The example below shows LPC file selected for corresponding Card FW update. Note you can only update one card at a time.



These are the firmware files held on the mirco SD card used for updating the associated Card FW.

Flash update possible

⑥ Select the required update file to flash a Card with new FW. 'Flashing possible' message is shown.

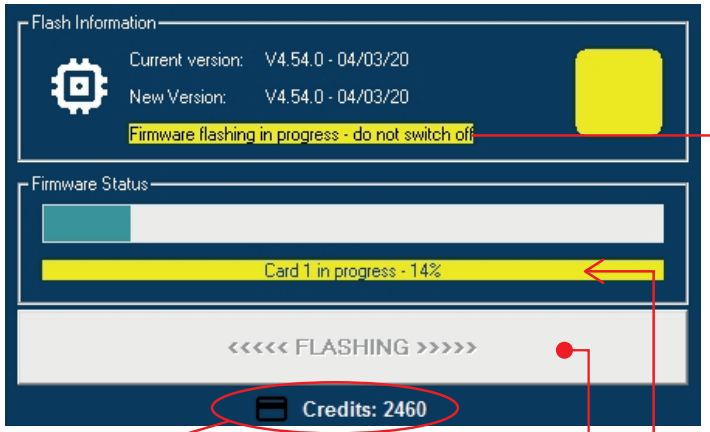
⑦ Select `>>>>> Flash Firmware <<<<<` button.

⑧ Confirm to accept the Card HW is compatible and confirm the firmware on SD card is correct by selecting the '**Yes'** button.
Note: Credit will be used regardless of Card HW being compatible. If Card HW is not compatible then the update will not happen, but credit will be used.

⑨ Confirm again by clicking the '**Yes**' button you want to update the Card firmware.

⑩ Flashing in progress - do not switch off
Flashing complete

LPC firmware update status is shown while flashing is in progress.



Credits left

Wait until the LPC Firmware update is complete 'green'.
On completion the panel will automatically start allocation of the Loop and recover previous backup.

When MCC firmware is updated it will cause VigInSite to Quit and you must watch the panel display for progress.

On Completion the panel will automatically start allocation of the Loop(s) and recover previous backup.

How view Advanced loop information

Here is how to get, view and save selected Advanced information on device status and limited engineering data.

Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

① Advanced Loop Info

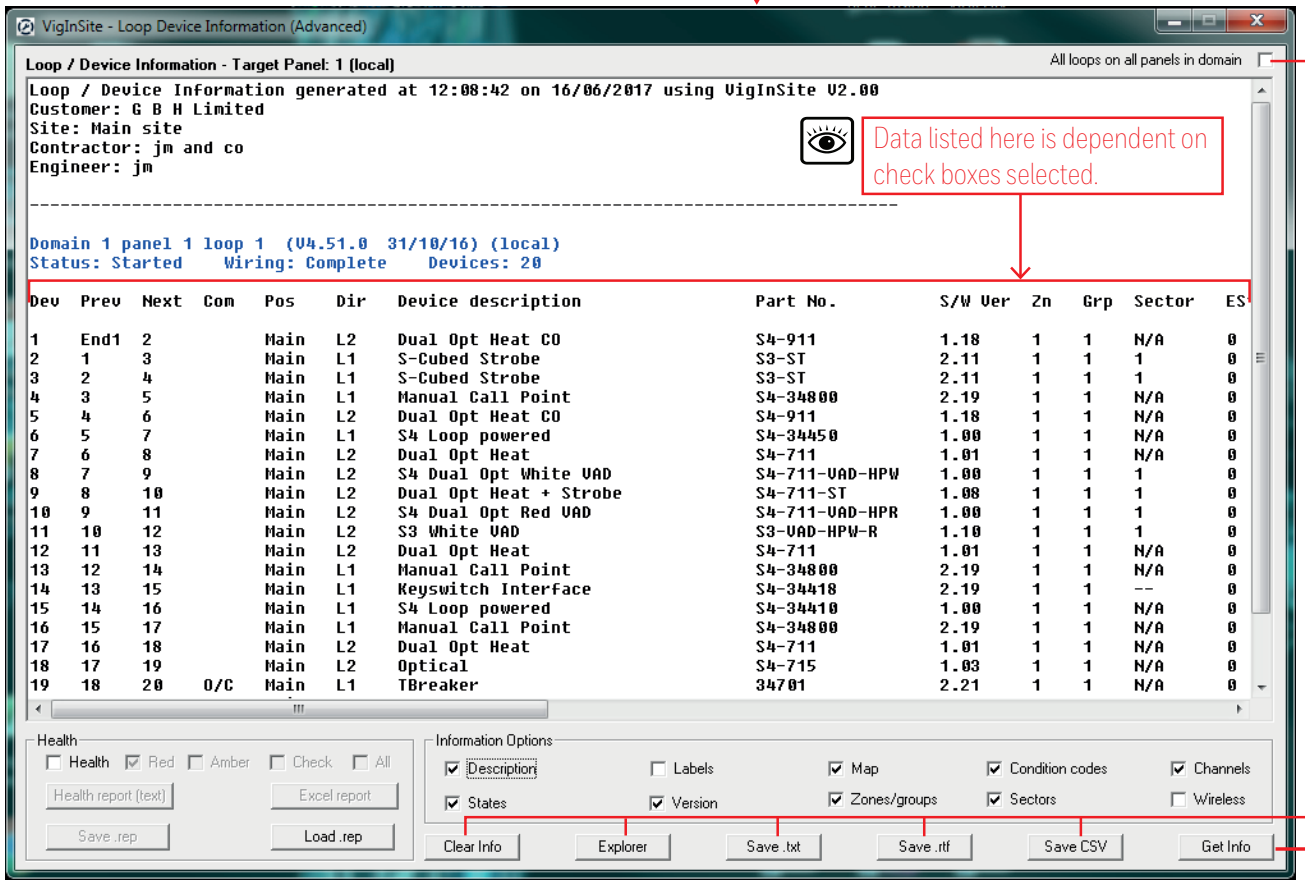
② Get Info

③ Select the required check boxes for listing.

Information Options

☑ Description	☐ Labels	☑ Map	☑ Condition codes	☑ Channels
☑ States	☑ Version	☑ Zones/groups	☑ Sectors	☐ Wireless

④ Get Info



Check this box to view information on All loops on all panels in a domain.

⑤

Select the required button to save to file, clear display or view previously saved file via explorer.

Select the **Save.txt** or **Save.rtf** button to save the displayed information to a text file for future viewing or for record. The file is saved in a directory: *My Documents/VigInSite/LoopInfo*

Select the **Save CSV** button to save the log as a **.csv** file for future viewing in Excel or for record. The file is saved in the following directory: *My Documents/VigInSite/LoopInfo*

Select the **Clear Info** button to clear the displayed information.

Select the **Explorer** button to view previously saved files in the directory: *My Documents/VigInSite/LoopInfo*

On completion click X to exit.

At anytime select the **Get Info** button to retrieve the latest Advanced information.

How to filter view Advanced device health status

Here is how to get, view and save loop device health report for maintenance record.

Unlicensed	Standard licence	Advanced licence
×	×	✓

① , ② ....ⓝ are suggested steps of operation.

① **Advanced Loop Info**

② Check the required **Health, All** and **All loops on all panels in domain** check boxes.



(Uncheck this box to get information from the Target panel only)

③ Get Info

Loop / Device Information - Target Panel: 1 (local)

```
Loop / Device Information generated at 14:51:41 on 03/02/2017 using VigInSite V2.00
Customer: G B H Limited
Site: Main site
Contractor: jm and co
Engineer: jm

-------------------------------------------------------------

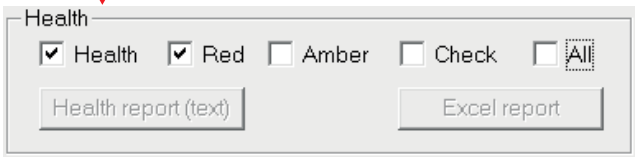
Domain 1 panel 1 loop 1  (V4.51.0  31/10/16) (local)
Status: Started    Wiring: Complete    Devices: 20

Dev  Part No.          Manu date   Week    Health    Age     Criteria

1    S4-911            24/07/07    30      RED       10yrs   6/7yrs
2    S3-ST             17/06/08    24      GREEN     9yrs    18/20yr
3    S3-ST             22/04/08    16      GREEN     9yrs    18/20yr
4    S4-34800          23/04/08    17      GREEN     9yrs    18/20yr
5    S4-911            24/07/07    30      RED       10yrs   6/7yrs
6    S4-34450          14/04/08    15      GREEN     9yrs    18/20yr
7    S4-711            17/10/08    42      GREEN     9yrs    12/14yr
8    S4-711-VAD-HPW    17/09/13    38      GREEN     4yrs    12/14yr
9    S4-711-ST         26/10/04    43      AMBER     13yrs   12/14yr
10   S4-711-VAD-HPR    17/09/13    38      GREEN     4yrs    12/14yr
11   S3-VAD-HPW-R      18/09/14    38      GREEN     3yrs    18/20yr
12   S4-711            27/01/09    4       GREEN     8yrs    12/14yr
13   S4-34800          12/05/08    19      GREEN     9yrs    18/20yr
14   S4-34418          12/05/08    19      GREEN     9yrs    18/20yr
15   S4-34410          06/05/08    18      GREEN     9yrs    18/20yr
16   S4-34800          23/04/08    17      GREEN     9yrs    18/20yr
17   S4-711            27/01/09    4       GREEN     8yrs    12/14yr
18   S4-715            21/10/08    42      GREEN     9yrs    12/14yr
19   34701             07/05/08    19      GREEN     9yrs    18/20yr
20   S4-711            27/01/09    4       GREEN     8yrs    12/14yr
```

Device health is listed in the designated colours:
GREEN = Device OK
AMBER = Device approaching replacement
RED = Replace this device
CHECK = Manually inspect device to establish age

④ Uncheck **All** check box to show Red, Amber and Check boxes previously grayed.



⑤ Check the required boxes to get a filtered listing.

Get Info

⑥ Select the required file format to save to a health file.

Health report (text) | Excel report | Save .rep | Load .rep

Select the **Health report (text)** button to save the filtered device health report as a text **.txt** file for future viewing or for record. The file is saved in a directory: *My Documents/VigInSite/Health*

Select the **Excel report** button to open the device health report in Excel for analysis. The report shows the device age data in list and in graphical format . The file can be saved locally.
If you do not have Excel on your laptop then you can save the file for Offline viewing by selecting the **Save.rep** button. You can open a previously **Saved .rep** file in VigInSite on a laptop having Excel by selecting the **Load.rep** button in the initial startup window.

On completion click on X to exit.

How to Find devices

Here is how to find devices in a connected system.

Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

① Find Device



The Find Device function will stop at an S4 Interface Unit as well as at a Keyswitch interface, there will be no indications given at these devices.

③ Scroll the device range and goto the required device.

You can scroll forward or backward 10 devices position, which helps not having to scroll one device at a time to get to a desired device address location.

Use these buttons to get to the end devices, that is the first or last device.

④ Go near the installed location of the device to see if it is giving a found indication, which will be a flashing indication or an audible indication from a sounder device.

Flashing symbols will appear here to indicate Device found.

② You can stop/start the Find Device at any time.

How to view Network routing information

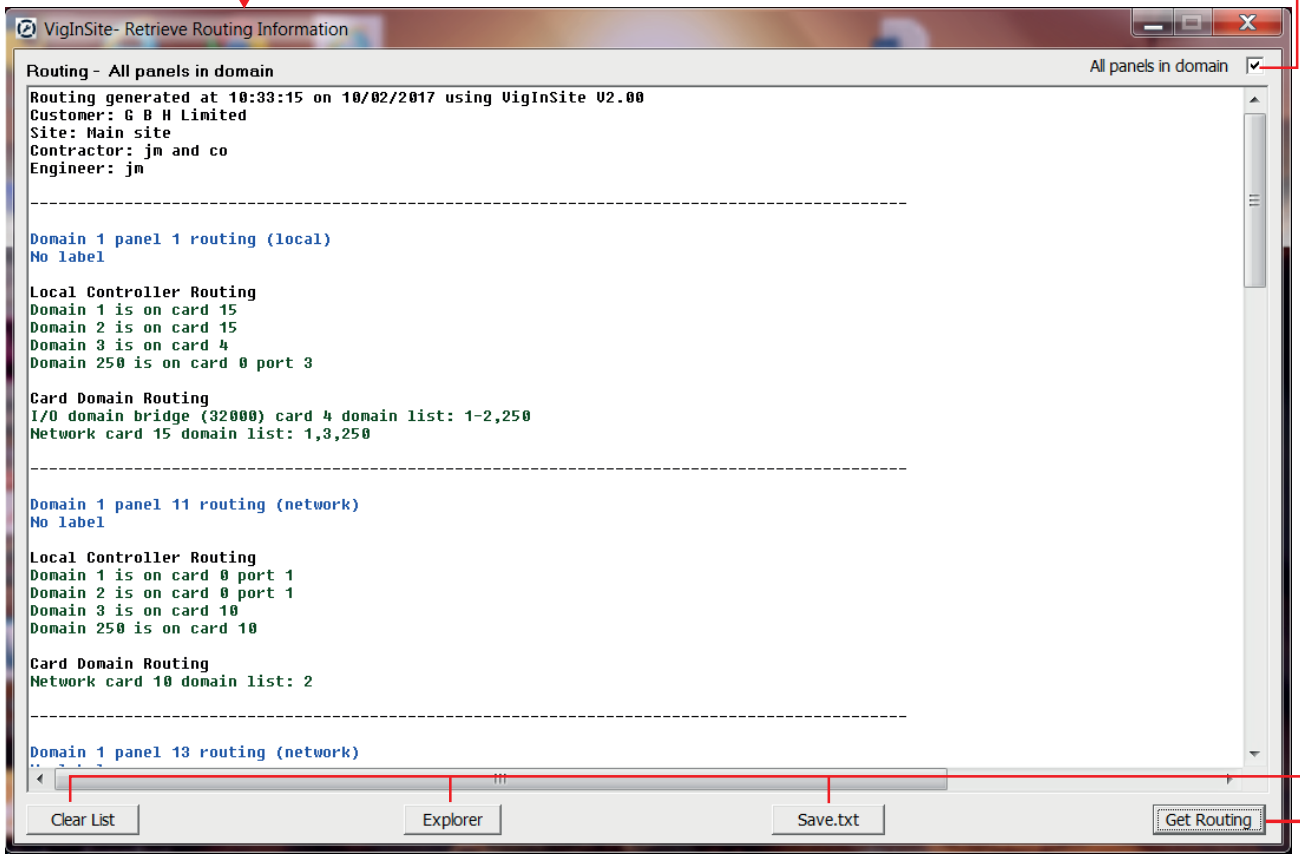
Here is how to get, view and save the message routing between cards in panels in a domain.

Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

① Network Routing

② Get Routing



Check this box to view information on All panels in domain

③

Select the required button to save, clear or explore message routing information.

Select the **Save.txt** button to save the displayed information to a text .**txt** file for future viewing or for record.
The file is saved in a directory:
My Documents/VigInSite/Routing

Select the **Clear List** button to clear the displayed information.

Select the **Explorer** button to view previously saved files in directory:
My Documents/VigInSite/Routing

On completion click on X to exit.

At anytime select the **Get Routing** button to retrieve the latest routing information from the system.

How to view Real time Test Fire Logger

Here is how to start and stop real time Fire Test log view of a system. You can save the logged information for reference.

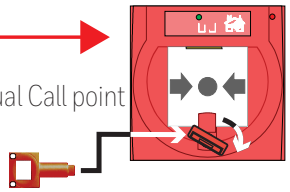
Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

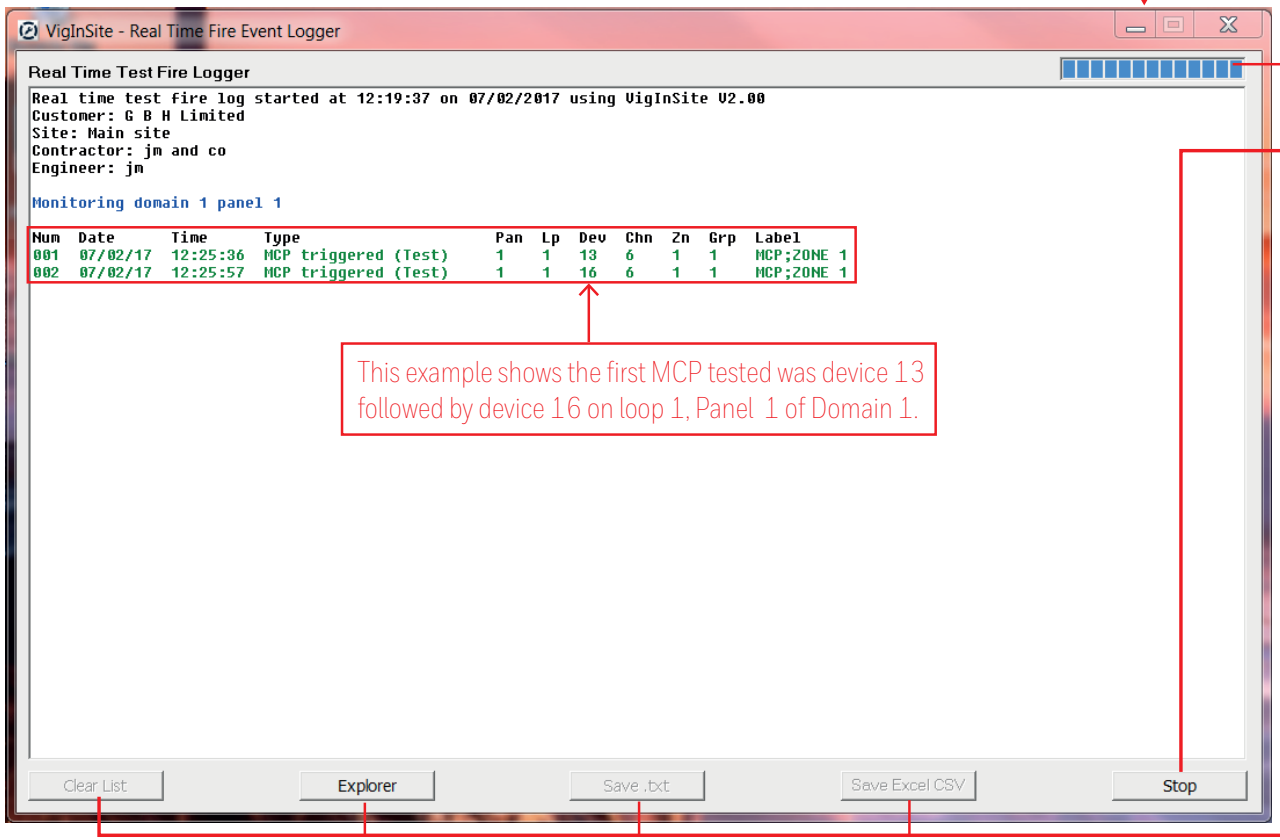
① At the **Vigilon panel** put the required Zone(s) in Test mode:
[TestEng]->**[UserCode]**-> *enter access code if one is set up* -> **<etc>** -> **[Test]** -> **[On]** -> *enter Zone(s) to put in Test mode* -> **[Enter].**

② At VigInSite
Test Fire Log → ③ **Start** →

Manual Call point



④ Turn the MCP test key quarter turn clockwise to trigger the MCP and then return the key to its normal position.



This example shows the first MCP tested was device 13 followed by device 16 on loop 1, Panel 1 of Domain 1.

A scan indication is given here as VigInSite scans for test fires on the Vigilon system.

⑤ At anytime select the **Stop** button to stop the scan of Fire test in the system.

⑥ Select the required button to save, clear or explore real time test fire information.

Select the **Save.txt** button to save the real time test fire information to a text **.txt** file for future viewing or for record. The file is saved in a directory:
My Documents/VigInSite/RealTime

Select the **Clear List** button to clear the displayed information.

Select the **Explorer** button to view previously saved files in directory:
My Documents/VigInSite/RealTime

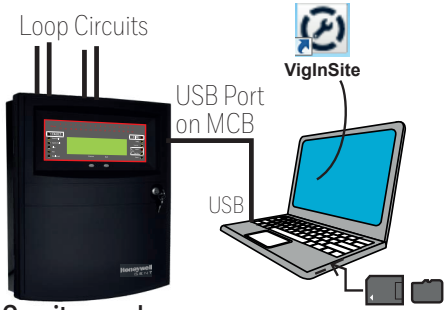
On completion click on X to exit.

How to program a Loop Simulator

Here is how to download **.txt files** of loops from an On-site panel, which are used to program Loop Simulators (also called Loop Device Simulators) at an off-site panel. An alternative method of programming Loop Simulators is by the use of Commissioning Tool to export the loop devices to Loop simulators, see also Commissioning tool - User Guide if required.
Below are procedures using VigInSite.

Unlicensed	Standard licence	Advanced licence
×	×	✓

You will need a micro SD card for this process. The micro SD card is used to program Loop Simulators at an Off-site panel.



①, ②....ⓝ are suggested steps of operation.

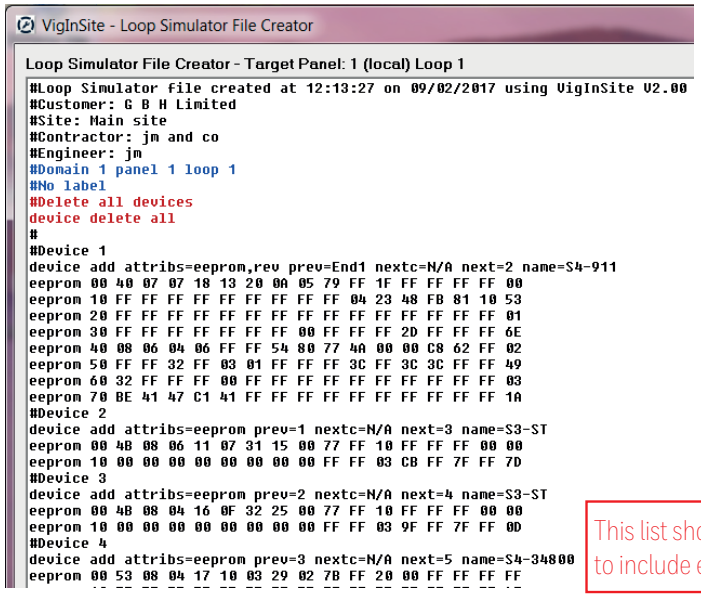
① a) Connect VigInSite tool to an operational On-site panel.

b) Fit an micro SD card to the laptop having VigInSite.

② Select a target loop to download from the On-site panel.



③ Loop Simulator → ④ Create Loop → Wait until the target loop has downloaded to VigInSite.



This list shows the site panel information to include eeprom data of each device.

⑤ Click on the **Save.txt** button to save the target loop file to:
C:\Users\..\My Documents\VigInSite\LoopSimulator\
Historically the filename was 'autoloadX.txt' with X suffix to relate it to the a loop. However you can now use a relatable filename for a target panel.
The suggested file naming convention is:
'Site name_Dx_Ny_Lz.txt'
where x is the domain number, y is the node/panel number and z is the loop number.

⑥ Where the *On-site panel* has more than one loop, then select the **Clear List** button and return to step ② to create another **.txt** file for another target loop.

Next page show off-site procedures.

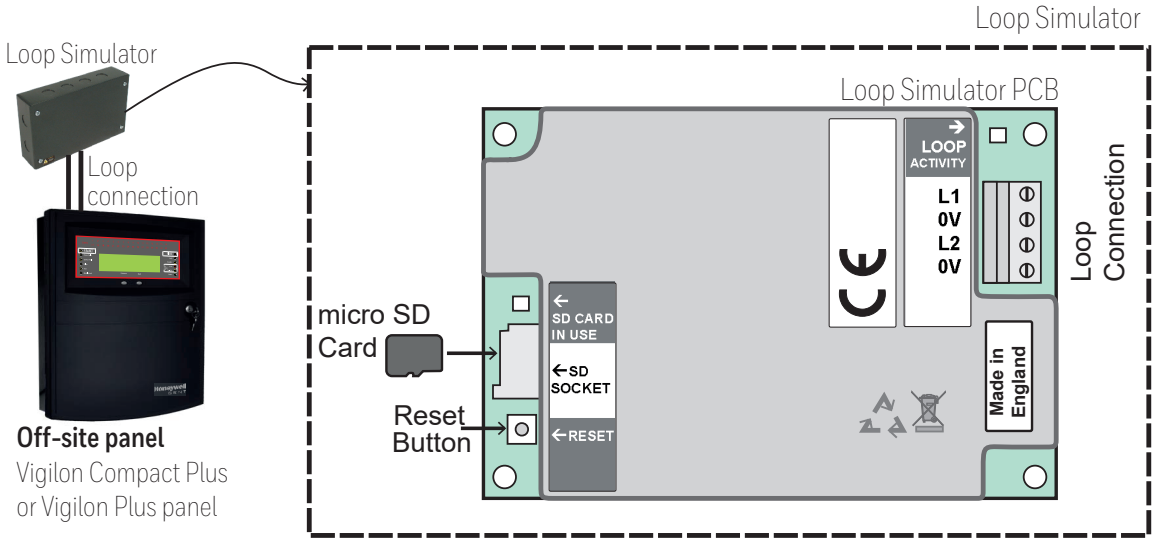
How to program a Loop Simulator...continued.

⑦ Copy and paste one .txt file associated with the required loop to a micro SD card in location:
SD CARD:\Simulator

⑧ At the **Off-site panel** and with nothing connected to the loop circuit to which a simulator will be connected perform 'reset' or 'allocate' on the loop.
Wait for 'Nothing found' message.

⑨ Connect a **Loop Simulator** to the required loop at this **Off-site panel**.

⑩ Eject the SD card from the laptop and insert it into the **Loop Simulator PCB** SD socket.



⑪ Press the **Reset** button on the *Loop Simulator PCB* .
- Note the **SD in Use** will flash whilst the loop is loading.
- When loading is complete the **SD in Use** will switch off.

⑫ Now restart the loop having a Simulator at the Off-site panel, by performing a loop 'Reset' or 'Allocate'. Then perform a second loop 'Allocate' or 'Reset' to ensure all the devices are read. The connected **Loop Simulator** will now simulate a real loop of an on-site system at an Off-Site panel.

To program the next Simulator
Remove the micro SD card from Simulator and insert it in the laptop. Archive the loop .txt file and ensure the 'Simulator' directory on the SD card is empty.

Repeat steps ⑦ to ⑫ prepare the next **Loop Simulator** to connect to another loop at the Off-site panel.

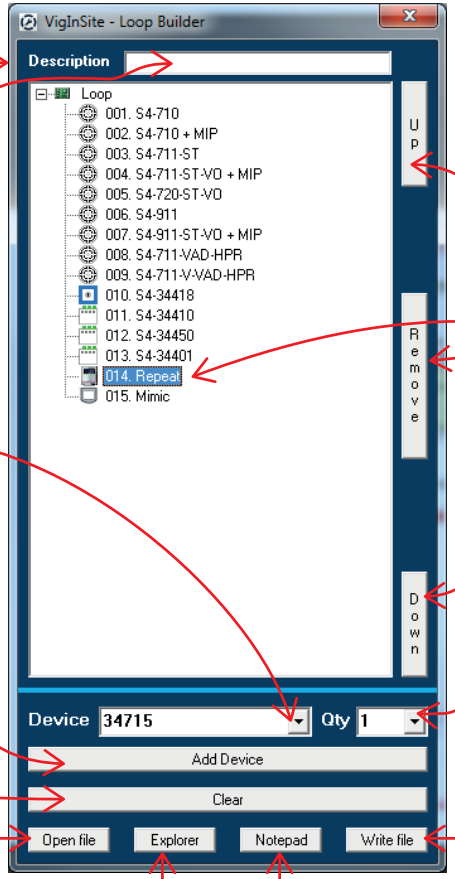
How to Build a Loop

Here is how to build loops of a Vigilon Plus system using VigInSite to allow Loop Device Simulators to be programmed completely off-site, without the need to have on-site system. This feature has its use where a Vigilon fire system is not yet installed but the detailed design of loops and devices are known. A system can be built using VigInSite and Simulators programmed connected to an Off-site panel. This allows the user to configure the planned system for basic cause and effect tests.

Unlicensed	Standard licence	Advanced licence
×	×	✓

① , ② ....ⓝ are suggested steps of operation.

① Loop Builder



② The built loop can be given a description here.

③ Select a device from the drop down options and click on the **Add Device** button, you will see the device in the tree view.

If you want to delete a device from the tree view then select it and click on the **Clear** button.

You can open a previously saved built loop file by selecting **Open file** button and selecting the file followed by **Open** button.

④ You can select a device and move it up or down the tree view. Any device can be edited out by clicking on the **Remove** button.

You can add multiples of the same device consecutively placed on the loop in the tree view by selecting a quantity from this drop down.

⑤ At any time you can Write (Save) the Built Loop map to: C:\Users\..\My Documents\VigInSite\LoopSimulator\ as a .txt file.

The Explorer button can be selected to view content of local directories.

You can open the built Loop map in Notepad by clicking on **Notepad** button.

⑥ You can now program a loop simulator of the built loop, see How to program a Simulator.

How to Simulate Fire

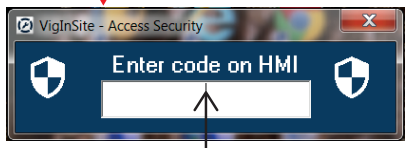
Here is how to perform fire simulation tests from VigInSite tool, when the tool it is connected to a Vigilon Panel.

Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

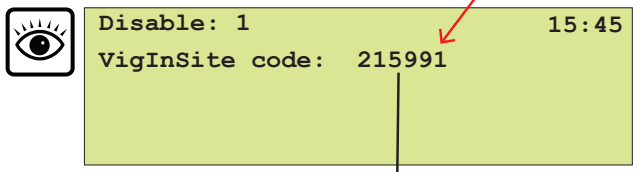
① At VigInSite select:

Fire Simulator



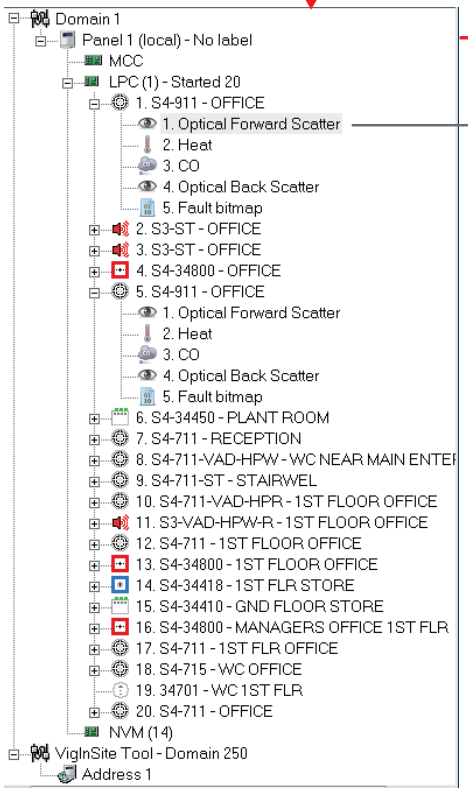
Panel displays a VigInSite code

(An example code is shown here)



This number is randomly generated by the panel to prevent unauthorised use, such as a remote connection to the panel.

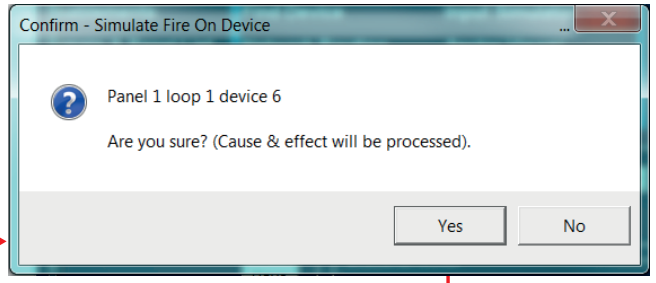
② Enter the VigInSite code displayed on the Vigilon panel into VigInSite.



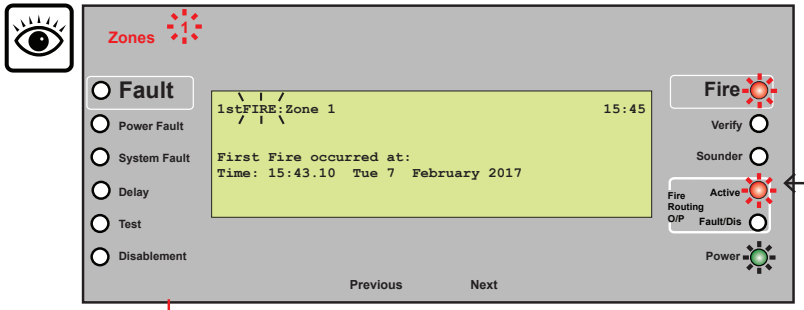
③ Expand the tree view to see the required device and its elements.

④ Select a device element in the system tree on which to perform a Fire simulation test.

⑤ Simulate



⑥ At the Vigilon Plus panel



If configured this light indicates there is an active Fire routing output to Alarm Receiving Centre to initiate Fire fighting action.

Build target panel only

Deselecting the *Build target panel only* check box will download all the panels in the domain.

Refresh Tree

Selecting the **Refresh button** will retrieve the system from the panel and show a new system tree view

At VigInSite

⑦ Silence

⑧ Reset

Select the next device element from the system tree to test, goto ④

How to do an Input Simulation

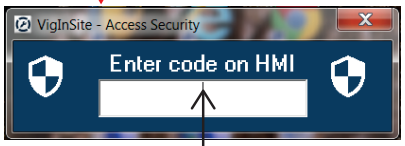
How to view the status of all Sectors and their respective output signal across the whole panel

Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

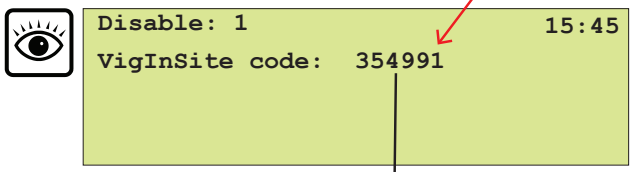
① At VigInSite select:

Input Simulator



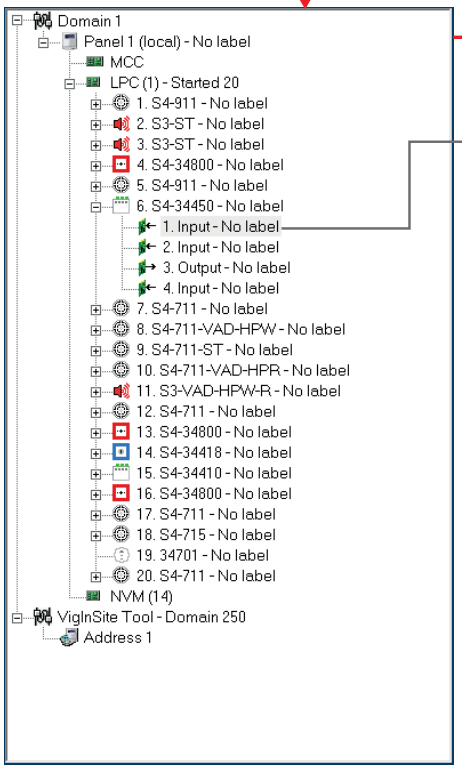
Panel displays a VigInSite code

(An example code is shown here)



This number is randomly generated by the panel to prevent unauthorised use of VigInSite, such as a remote connection to the panel.

② Enter the VigInSite code displayed on the Vigilon panel into VigInSite.



③ Expand the tree view to see the required device input.

④ Select a device input from the system tree on which to perform a Input simulation test.

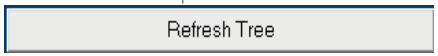
⑤ Select a type of test to perform on the input. For example selecting *Fault* will conduct a 'Fault' test on the input.



False, True and Fault can link into Command Builds for test behaviour at the panel.



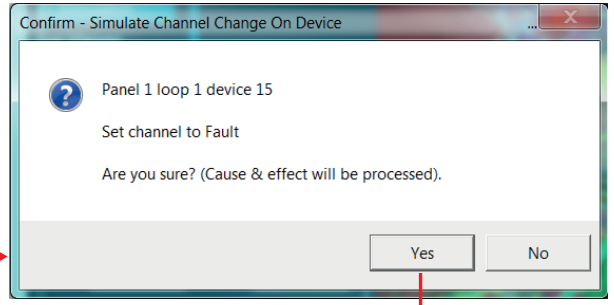
Deselecting the *Build target panel only* check box will download all the panels in the domain.



Selecting the **Refresh tree button** will retrieve the system from the panel and show a new system tree view.

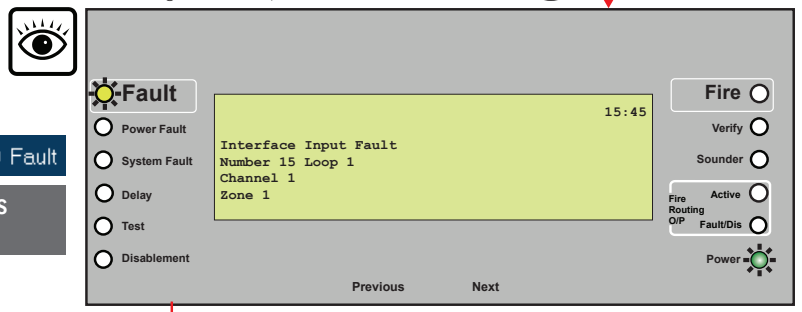
⑥





⑦

At the Vigilon Plus panel



At VigInSite

⑧ Goto step ⑤ and select '**Normal**' to restore.

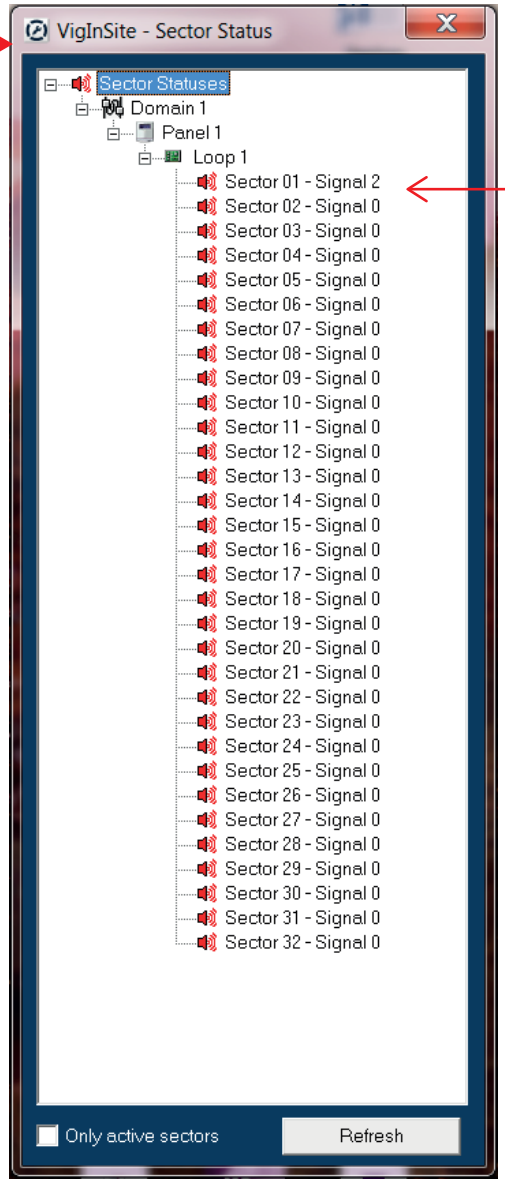
⑨ Select the next input from the system tree to test, goto ④

How to view Sector Status

How to view the status of all Sectors and their respective output signal across the whole panel.

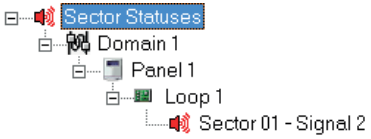
Unlicensed	Standard licence	Advanced licence
x	x	✓

Sector Viewer



All the sectors are listed and here Sector 1 is shown as an Active Sector - signalling signal 2

By checking the 'Only active sectors' box you will only see active sectors resulting from test fires in the system, for example:



If there are no active sectors then there will be no sectors listed:





By unchecking the 'Only active sectors' all the sectors are listed including active sectors.



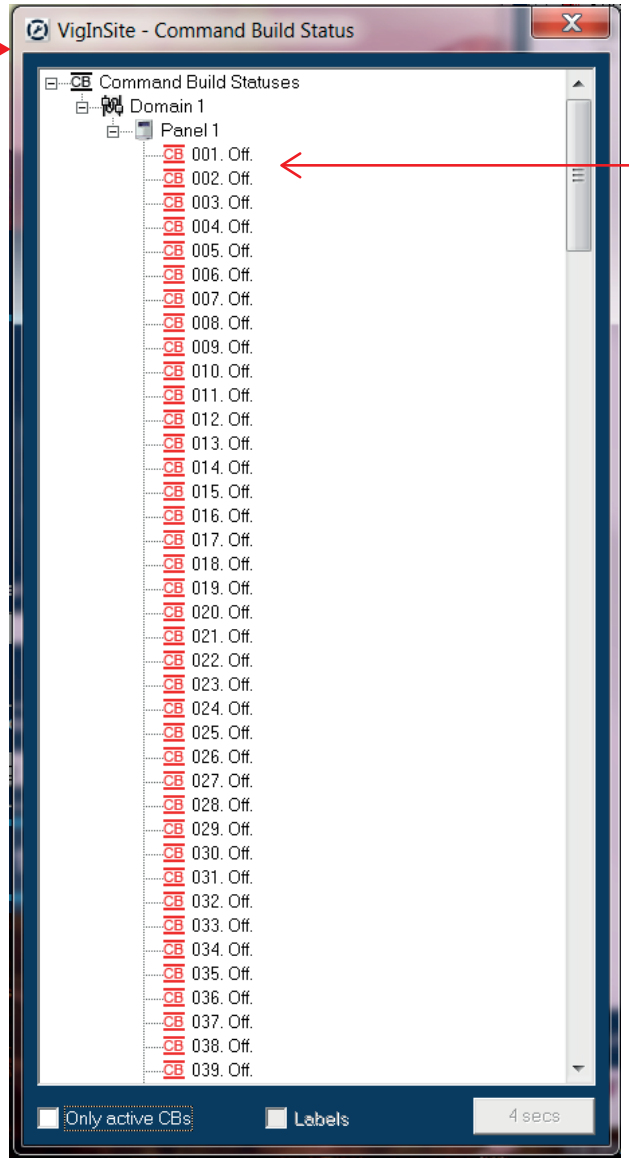
Selecting the **Refresh** button to refresh the listing with latest sector status from the connected panel.

How to view Command Build Status

Here is how to view all Command Builds and optionally view build labels.

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×	×	✓

Command Builds



Command build status viewer will only work with panel having version MCC at V4.41 & V3.98.

Command builds can be viewed across networks.

All the command builds are listed here and you can scroll to view the entire list. This view shows no command builds are active.

Only active CBs

Uncheck the *'Only active CBs'* box to display all the Command Builds, including active Command Builds.

Labels

Check the *'Labels'* box to display labels given to Command Builds.

Refresh

Selecting the Refresh button will download the Command Builds from the connected panel.

How to Activate Extended Event logging to SD card

Here is how to activate the Extended events logging to the micro SD card fitted to the MCC/MCB of a panel.

①, ②....ⓝ are suggested steps of operation.

At the Vigilon Panel:

a) Ensure an SD card is fitted in the MCC/MCB, see ①.

b) Switch On the local controller Freeblocks, see ②.

c) Ensure SD card write protect is Disabled, see ③.

d) Switch On the Extended Events logging, see ④.

e) Check the Extended Events log is switched On, see ⑤.

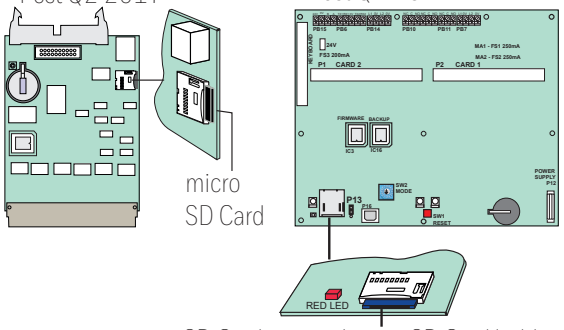
f) Switch Off the local controller Freeblocks, see ②.

g) Now use VigInSite to retrieve 'get' the extended events file(s), view and save the file(s), see steps on next page.

① Where to check if a micro SD card is fitted

Vigilon Plus panel
Master Control Card (MCC)
- Post Q2 2017

Vigilon Compact Plus panel
Master Control Board (MCB)
- Post Q2 2017



micro SD Card inserted into a SD Card holder

② How to switch On/Off Freeblocks

You will need Access Level 3 PIN, if a code is set up.

[Test/Eng] — [UserCode] — <etc> — [Test]

[FreeBlok] [PSU] [Datalog] <etc>

[Previous] [Next] <etc>

Switch On / Off Local controller

③ How to Enable/Disable SD Card write protect

You will need Access Level 3 PIN, if a code is set up.

[SetUp] — [UserCode] — <etc> x 4 — [Protect]

{Params 0-15} [NVM Card] [SD Card]

[Enable] [Disable]

[E] [C] [Q]

④ How to switch On/Off the Extended logging

Ensure local controller Freeblocks is switched On.
Also ensure the SD card NVM Write protected is disabled.
You will need Access Level 3 PIN, if a code is set up.

[Test/Eng] — [UserCode] — [Card]

[Reset] [Init] [Log]

[On/Off]

[E] [C] [Q]

Switch On extended event logging. The SD card in the MCC/MCB will automatically generate a **Logs** directory under **Vigilon**. There will be two text files under the Logs directory. Switch off Freeblocks.



The events_0001.txt file will hold the extended log of events once the panels log has reached maximum. When this file has reached a maximum capacity a new events_0002.txt file is generated. Each time a new filename will have the next number in its filename.

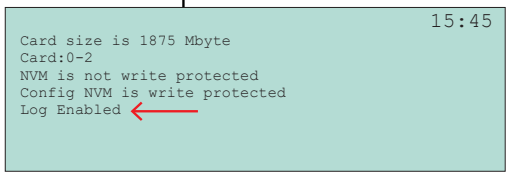
⑤ How to view the status of an SD card

You can check if the SD card is enabled for logging extended events.

[Info] — <etc> — [UserCode] — [Status] — <etc> x 4

[SD Card]

[E] [C] [Q]



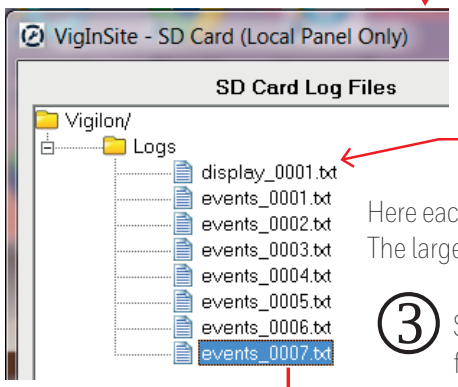
How to view Extended Events log files on SD card

Here is how to get, view and save the Extended event log files saved on the SD Card inside the target panel.

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×	×	✓

①, ②....ⓝ are suggested steps of operation.

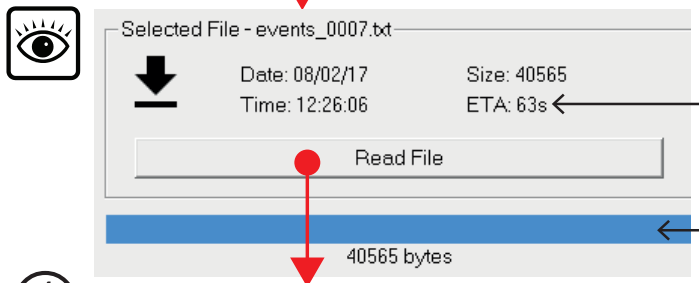
① SD Card → ② List Files



The files are sorted in date order. New files are created once the files size reaches a certain size to prevent download times being too long.

Here each log file 'events_000x.txt' holds a number of events.
The larger the file number 'x' the newer events log file.

③ Select to highlight a required extended log file to download and read.



Download ETA and progress status is shown here.

④ Select the **Read File** button to download and view the file.
Note this process can take some time. ETA shows the duration to perform this task.

```
08/02/2017,11:53:37,[0102],Device Enabled at card 1,1,0,0
08/02/2017,11:53:38,[0206],,1,0,0,0
```

How to use loop diagnostics

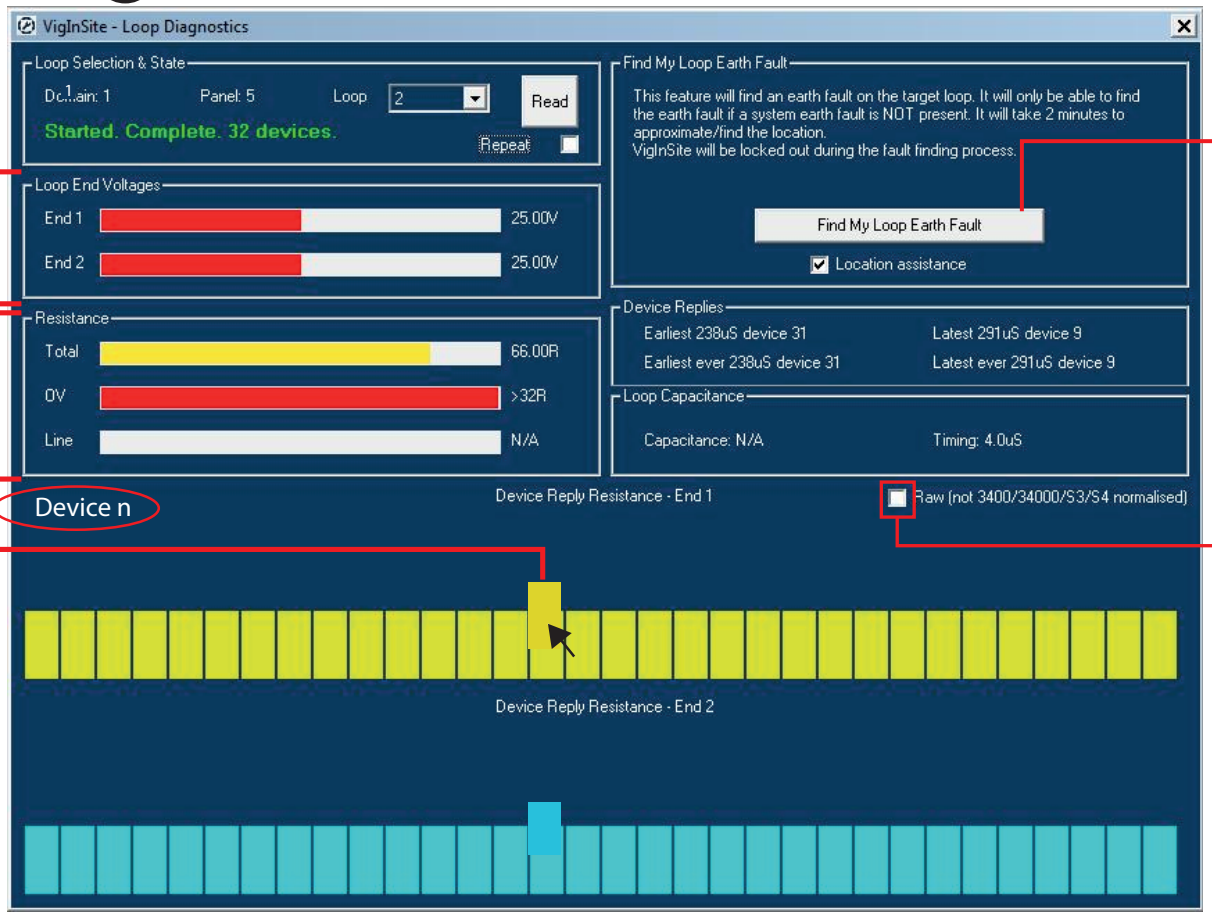
Here is how to use the loop diagnostics to find loop condition.

Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

① Loop Diagnostics

②



③ The loop end voltages should be around normal value of 44V **green**. An **amber** or **red** colour indicate the voltage is outside an acceptable range.

④ The loop 0V and Line resistances should be low, it is the sum of cable and breaker resistances and **green** indicates an acceptable range. An **amber** of **red** colour indicate the resistance is outside an acceptable range.

⑤

Ensure 'Normalised' reading of loop condition is viewed by unchecking this check box.

A raw reading given with a checked box is for engineering use.

⑥ A glitch on a bar indicates an issue on the loop circuit. You can determine the device location at which an issue has occurred by hovering the mouse pointer on the bar having a glitch the affected device number is displayed.

⑦ Use this feature to find an earth fault on a loop. This feature can only be used when there are no system earth fault present.

How to check SAFE system status

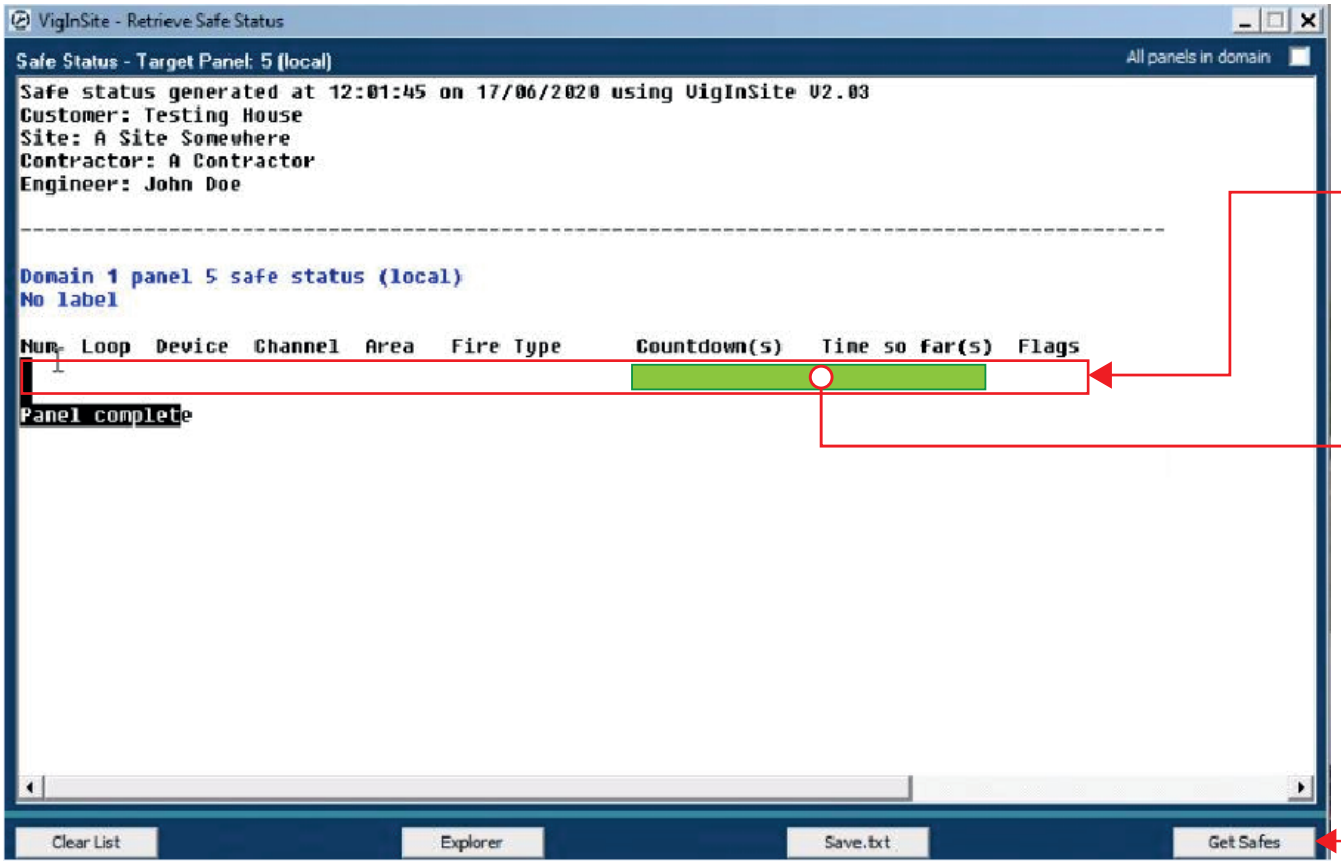
Here is how to view SAFE system status.

Unlicensed	Standard licence	Advanced licence
×	×	✓

①, ②....ⓝ are suggested steps of operation.

① Safe Status

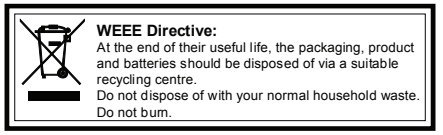
② 

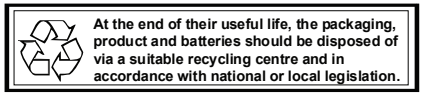


③ This box shows the location of the interface device on a loop to which a SAFE switch is connected.
This indication will only appear if the Safe System is active.
NOTE: This display does not occur if there is no connected SAFE system.

④ On pressing the **Get SAFES** button the time to alarm remaining is displayed here for all SAFES, captured at the point of pressing the button.

Notes





Honeywell Gent reserves the right to revise this publication from time to time and make changes to the content hereof without obligation to notify any person of such revisions of changes.

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