



Ref: FAQ0405

Version: 1.0

Title – PermaNet Web user guide

Made By: AB 15/06/17

(Issue 1)

## PermaNet Web User guide

### The PermaNet Web navigation bar



PermaNETWeb

Map View

List View

View Data ▾

DMAs ▾

Leak List

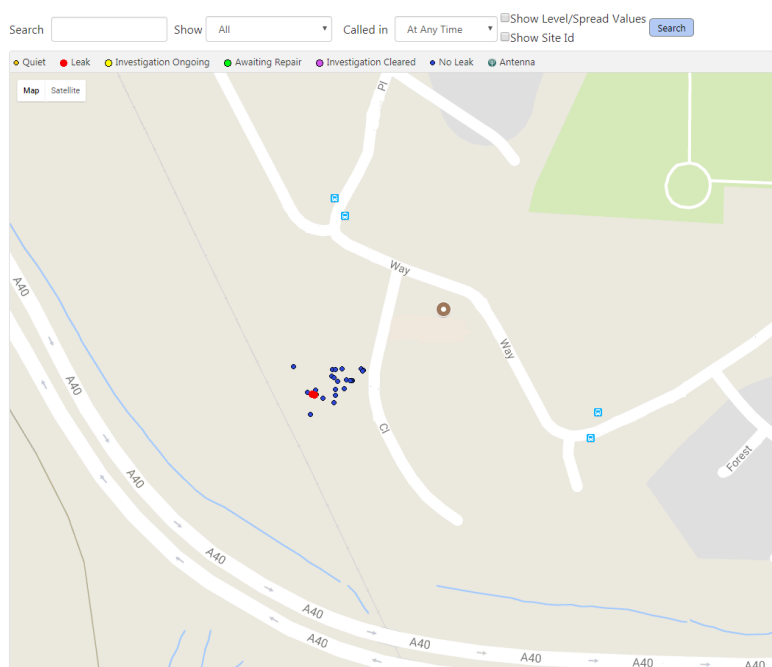
Correlate

The options are:

1. Map View
2. List View
3. View Data: -
  - 3a. Graph View
  - 3b. Table View
4. DMAs: -
  - 4a. DMA Management
  - 4b. View DMAs
5. Leak List
6. Correlate

### 1. Map View

Map View is the area where you can see the geographical locations of each of the sites. This view has a few options for filtering the devices that are explained lower down.





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At the bottom of the map there is an option to turn off the grouping of loggers.

## 2. List View

List View is where you can see your logger fleet and the DMAs as a list. This can provide more information. From here you can export data as CSV or in Excel, and you can apply filters to the search.

Search

Show

All

Called in

At Any Time

Search

CSV

Excel

☆	Site ID	Address	Serial	Status	Battery	Level	Spread	Signal	Days In Leak	Last Call In	Last Note
☆	Sarn Gully	Sarn Gully Depth and Temperature	000 Intelligens 3.91		7V			9		11-Jul-2017 09:02 [1h]	
☆	Sarn G/Hse LX	Sarn Temp Greenhouse - LX	1 MultilogLX 4.05		10V			11		11-Jul-2017 09:37 [15m]	
☆	#SarnRain	Sarn Rainfall - UL	000 Comlog/PermaNET+ Mk1 3.93		6.2V			12		11-Jul-2017 09:00 [4h]	
☆	Sarn Solar	Sarn Solar - LX	817 MultilogLX2 3.91		5.9V			12		11-Jul-2017 06:01 [24h]	
☆	TTX22	Sarn Temp Shed - TTX226920	226 FW-720-002 2.00		1V			0		11-Jul-2017 08:49	
☆	TTX22	Sarn Temp Living Room - TTX226922	226 FW-720-002 2.00		1V			0		11-Jul-2017 08:47	
☆	TTX226	Sarn Temp Bedroom 1 - TTX226924	22 FW-720-002 2.00		1V			0		11-Jul-2017 08:47	
☆	226	Sarn Temp Soil - TTX226926	22 FW-720-002 2.00		1V			0		11-Jul-2017 08:48	
☆	TX226	Sarn Temp Fishtank - TTX226928	22 FW-720-002 2.00		1V			0		11-Jul-2017 09:46	
☆	2252	Sarn Electricity - FTX225220	2252 RTL Pulse TX 3.00		1V			10		11-Jul-2017 09:46	
☆	2252	Sarn Water Pond - FTX225218	225 RTL Pulse TX 2.00		1V			10		11-Jul-2017 08:44	
☆	TTX23	Sarn Temp Kitchen - TTX237592	237 FW-720-002 2.00		1V			0		11-Jul-2017 08:48	
☆	227	Sarn Pressure - PTX227512	227 FW-976-050 5.00					0		11-Jul-2017 08:49	

## 3. View Data

### a. Graph Data

In graph view you can see the graphical data for the sites.

The blue box above the graph contains different options for the graph view, including intervals and time periods. You can use the cursor to select smaller areas of the graph for a more detailed view.



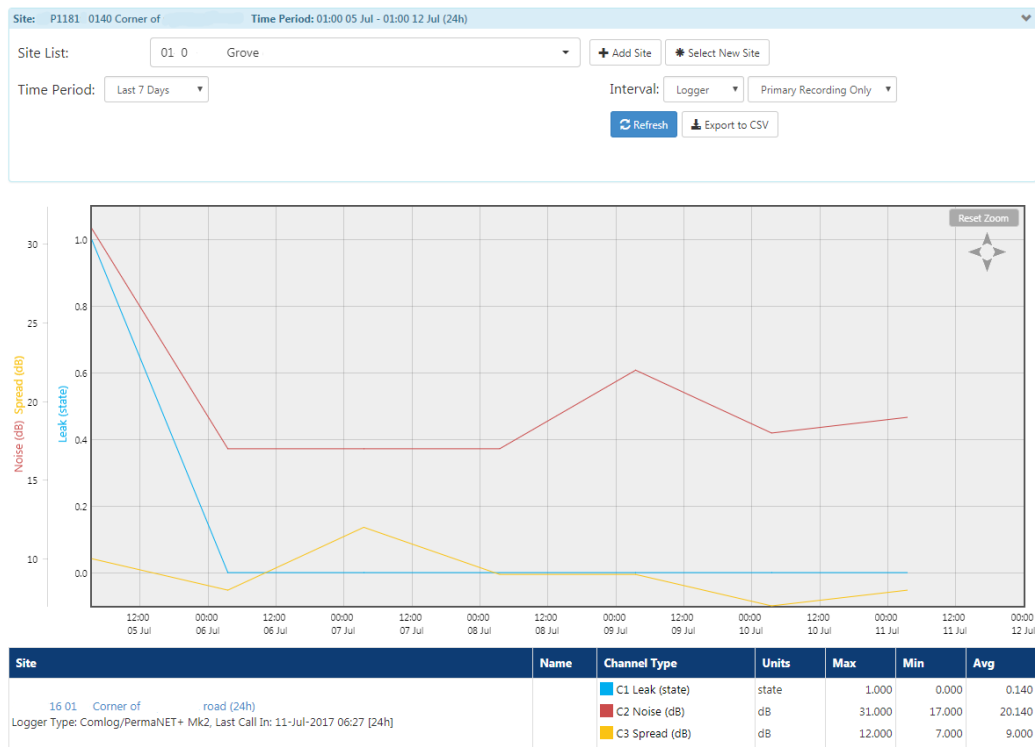
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## b. Table View

Shows the Leak and Spread Values for all devices within your DMA, for a selected period of days. This is exportable to both CSV, and Excel.

Please select Time frame: Last 7 Days Update This Page Export to Excel

Siteld	Is	13-Jun	12-Jun	11-Jun	10-Jun	09-Jun	08-Jun	07-Jun	06-Jun
p034	Lvl	21	8	15	9	8	8	9	7
	Spr	5	10	9	9	7	6	5	8
p035	Lvl	46	21	22	22	22	21	21	20
	Spr	7	9	9	9	9	9	9	9

## 4. DMAs

### a. DMA Management

DMA is a method of grouping geographical sections of devices (maybe those in a street or town). In here you can add sites to DMAs, or create new ones.



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Current DMA : DMA      Town



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## b. View DMAs

Here you can see a breakdown of all devices within each DMA, and a summary of the number of; Quiet sites, Number in leak, Investigation ongoing, Investigation cleared and Awaiting repair.

DMA Name	Total Sites (19658)	Quiet Sites (2141)	Number in Leak (0)	Investigation Ongoing (0)	Investigation Cleared (0)	Awaiting Repair (0)
DMA0010 (DMA Chertsey Town)	88	6	0	0	0	0
DMA0020 (DMA Holloway Hill)	0	0	0	0	0	0

Excel

## 5. Leak List

This is where you can enter more values about a leak to get a reporting tool to help work out costs of the leak in question.

Site ID	Address	Leak Detected	Leak Confirmed	Type of Leak	Leak Repair Date	Leak Size	Estimated Leak Volume	Cost per 1000	Edit	Remove
P0046	3503 Eastfield 2 8DY, UK	13-Jun-2017 00:00	22-Jun-2017 00:00	Main	27-Jun-2017 00:00	10	10	10	Edit	Delete

Export to CSV

1 Found.

Add Leak

## 6. Correlate

Selecting this will start a new Correlation between audio files - unless you have added items to your Selected Site list. (Please see Selected Site list section below which explains this).

If there are no audio recordings from your selected sites, then it will not correlate; -

Leak Correlation between P00508 (881 28 church lane fw) and P00695 (701 Frobisher rd g/v).

These sites do not have any audio files to correlate against.

From the pop up, you can start a correlation by adding loggers to the selected sites, and then pressing the correlate button. (Either on the pop up or on the navigation bar)



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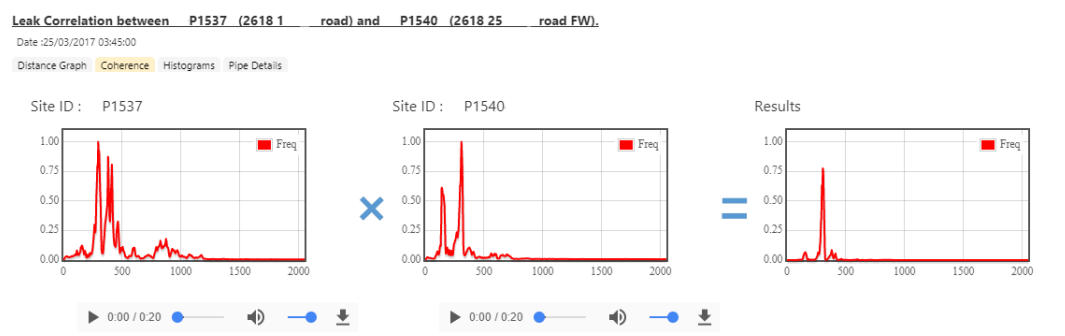
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On Each Correlation result, you have options to change to the tab that you are interested in; Coherence, Histograms and Pipe Details.

### a. Coherence - Listen to both audio files



### b. Histograms - See side by side Histogram results



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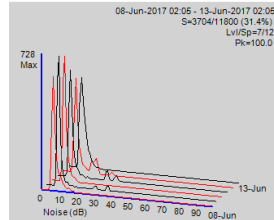
Leak Correlation between P15372 (2618 1 road) and P15404 (2618 25 road FW).

Date :25/03/2017 03:45:00

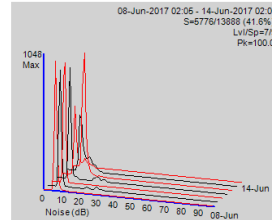
Distance Graph Coherence Histograms Pipe Details

Please select date: Last 7 Days

Site ID : P1537



Site ID : P1540



### c. Pipe Details – Change the pipe details from the default pipe

Leak Correlation between P1537 (2618 1 road) and P1540 (2618 25 road FW).

Date :25/03/2017 03:45:00

Distance Graph Coherence Histograms Pipe Details

Material	Colour	Size	Length (m)	
Using Default Pipe - Cast Iron		4" (100mm)	1500	

Distance of segment of pipe  metre(s)

Material of Pipe

The user can enter as many 'Pipe Materials' as they need to make a pipe, which gives more accurate correlation results. Once more than 1 segment is in this list, this can be reordered, or deleted. If you delete all pipe segments, the default will be applied again.

## 7. Additional PermaNet Web features

### a. Filter Options found on Leak List, and Map View

Search  Show  Called in  ☐ Show Level/Spread Values ☐ Show Site Id

'Search' - a free textbox search looking at fields; Site ID, Address, Address 2, SMS Number, and Serial Number.

'Show' options:

- Show only in leak- shows the devices that are currently in leak.
- Quiet – shows the devices that are currently quiet.
- Investigation Ongoing – shows the devices that are currently undergoing investigation.
- Investigation Cleared – Shows the devices that have finished their investigation.
- Awaiting Repair – Shows the devices that are awaiting repair.



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- Selected Sites –Shows the sites that you have selected.
- Recent Sites – Shows the recently visited sites.
- New Leak – Shows devices that have gone into leak mode in the last 24 hours

## b. Pop Up

From any page, you can get to a pop up that allows you to look at a particular device in more detail.

Figure 1 : Test Data for Documentation purposes only.

Find this from -

- Map View: click on the dot in question.
- List View: click on the row in question.
- Graph View: click on the click at the in the left most column of the lower table.

This popup gives the user more ways to view data and more methods to reprogram, to fit your needs.

- Info: shows a summary of the information, with ability to play the last sound recording it made.
- History: shows a table of the results showing level and spread values for each call in.
- Program: shows options to send a command to the device.
- Audio: allows the audio found to played/downloaded, for each selected date.
- Histograms: shows the histograms for each selected date.
- Alarm Settings: shows two different views depending on whether or not your device is making multiple samples:
  - a) One sample a day – will show a check box to 'send an alarm when going from no leak to leak'





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Info History Status List Note List Program Audio  
Histograms Alarm Settings

☐ Send alarm when going from no leak to leak.

b) More than 1 sample - will show the different alarm option for each alarm condition

Info History Status List Note List Program Audio  
Histograms Alarm Settings Alarm Profile

Position	Edit
Alarm Condition 1	Channels: CH1 Leak <input type="button" value="v"/> <input type="checkbox"/> Profile Alarms <input type="checkbox"/> Upper Alarm <input type="checkbox"/> Lower Alarm <input type="checkbox"/> In Band Alarm <input type="checkbox"/> Out Of Band <input type="checkbox"/> MNF Alarm <input type="checkbox"/> ROC Alarm <input type="checkbox"/> Diff > Alarm <input type="checkbox"/> ...

Note: the extra tab 'Alarm Profile' can be used to set up an alarm profile for each condition.

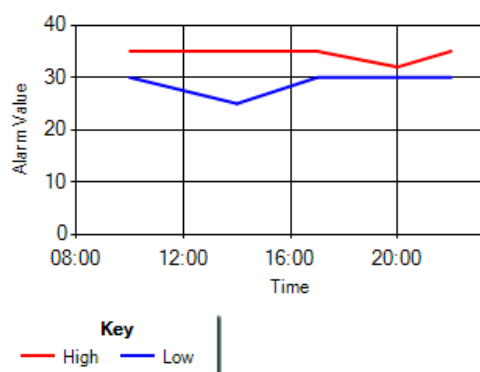
### c. Alarm profiles

Start by selecting an alarm condition e.g. Alarm condition 2.

Select the day that you wish to start editing i.e Tuesday. Start adding the information you wish, as you start adding more values a graph will appear.

Time	Low	High	Remove
10:00:00	30	35	<input type="button" value="x"/>
14:00:00	25	35	<input type="button" value="x"/>
17:00:00	30	35	<input type="button" value="x"/>
20:00:00	30	32	<input type="button" value="x"/>
22:00:00	30	35	<input type="button" value="x"/>

Time to add Low High  
 22  : 00  30 35





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You can then copy this to other days if you wish by using the drop down and selecting which days and then copy.

If you have entered a value in incorrectly you can delete it from the table by the trash can in the far-right column. Please note you cannot delete the last entry in the table - if this one is incorrect make a second one and then delete the first.

Make sure you press 'save profile', to make sure the command is sent to the device. The final stage would be to enable alarm profile in the alarm settings. So, in the example above we set the alarm condition 2, so we would need to send the command created by the following -

Alarm Condition 2	Channel: CH1 Leak
	<input checked="" type="checkbox"/> Profile Alarms

Finally press send. This will send a second command to 'enable' the alarm profile in the device.

#### d. Selected Sites List

This is the term we use for our 'favourites sites', a bit like collecting items into a basket. There are multiple methods of adding to your selected sites list:

Methods;

- List View has a Star icon in the leftmost column, this will turn yellow to indicate that it is in the selected Sites list, if pressed again you can remove it from the selected site list.
- Popup has the button that's text will change when clicked, to say when it is in the selected site list.
- If you want to Add/Remove all devices from the DMA into your selected site list then click the star in the very top row (dark blue row). This will toggle any sites that are in your list.



Add to selected sites list

You can always quickly access your selected site list by the star in the navigation bar in the top right corner of your screen.

#### e. Program Tab

The program tabs allow the user to change the default values. Please note that increasing the sample frequency or the call-in frequency may impact the battery life span.



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Info History Status List Note List **Program** Histograms

Alarm Settings Photos

Record sound when leak detected ▼

Length of recording 20 seconds ▼

While in leak never repeat ▼

Save

If you want to program multiple devices at once then add to the selected site list (see selected site list)

You will then get a check box to send your new options to all of the devices in the selected site list as seen below. The below options show other options that can be sent to the device;

- Setting the logger to record at a certain time,
- Setting the logger to repeat the recording on certain days.

Info History Status List Note List **Program** Histograms

Alarm Settings Photos

Record sound when leak detected or preset ▼

Sound Recording Start Date 25-Feb-2015

Sound Recording Start Time 09 ▼ 35 ▼

Number of sound recordings 05 ▼ Per Day

Repeat sound recordings for 01 ▼ Days

Length of recording 20 seconds ▼

While in leak repeat on the following days ▼

☐ Mon ☐ Tue ☐ Wed ☐ Thurs ☐ Fri ☐ Sat ☐ Sun

Save ☐ Send to all in selected sites list

If the device has a command outstanding then a message will appear to let the user know that there is an outstanding command that has not yet been picked up from the logger. It is always worth checking this command before you issue another as your new command will overwrite the one in the queue.

#### Document History:

Edition	Date of Issue	Modification	Notes
1st	15/06/17	Release	