

1 Introduction

- TTKweb is a management software developed specifically for TTK FG-NET digital unit and its satellite devices.
- This software performs two main functions:
 - It allows to view, in real time, the status of all the connected panels and their cables. In case of fault, TTKweb pin-point the alarm on the concerned cable (precise location in 1m) on the zone map. The alarm can also be managed directly on TTKweb (acknowledge an alarm, override a relay, eject a cable, etc).
 - TTKweb includes the tools to configure the system. For example, build the arborescence of the installation; edit the maps and create detection zones for each sense cable.
- Main interface menu 'MAP' of TTKweb in case of one alarm as below in figure 1:

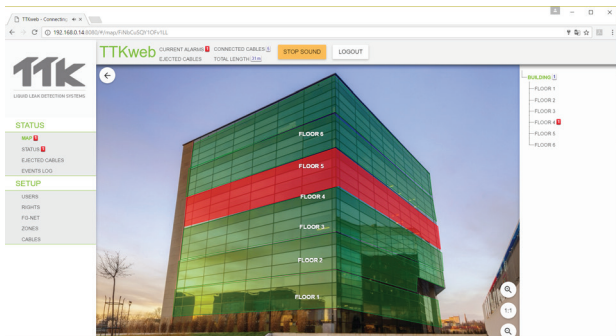
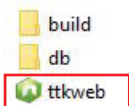


Figure 1

2 Installation

- Install and run TTKweb on your computer.



- Open a web browser (Firefox is recommended) and enter the IP address of the computer where TTKweb is running, ends it with ':8080'. For example: '192.168.0.14:8080'. The TTKweb interface will be displayed.
- Note: To get your IP address, open a command prompt and enter the 'ipconfig' command.
- The main page of TTKweb is composed of 6 parts as shown in the figure 2.

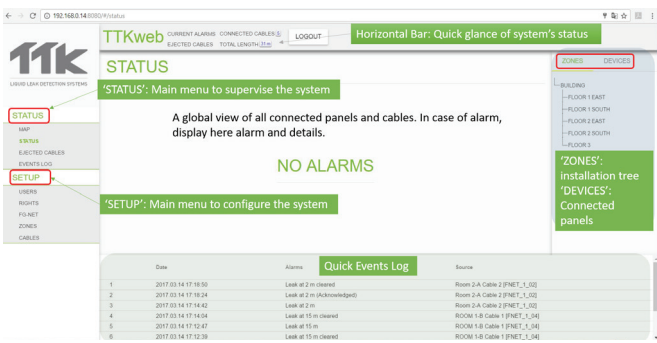


Figure 2

3 'STATUS' Menu

- TTKweb interface consists of two main menus: STATUS and SETUP. To summarize, 'STATUS' allows to view and 'SETUP' allows to configure the system.
 - Sub-menu 'STATUS'**
In case of fault, the alarm(s) are displayed in the main page as well as in this sub-menu. Three buttons allow you to take actions on alarms: acknowledge the alarm; eject the cable and show map (see figure 3).

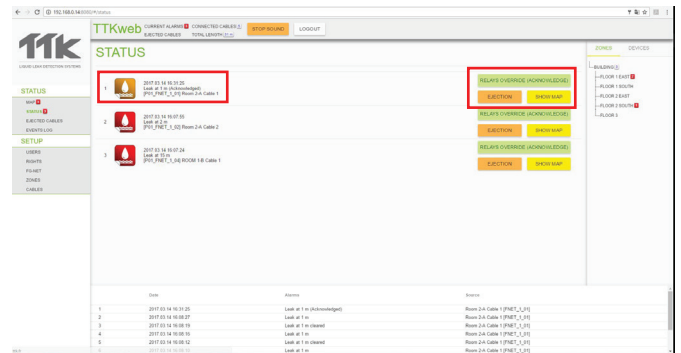


Figure 3

Sub-menu 'EJECTED CABLES'

Ejected cables are displayed under this sub-menu (see figure 4).

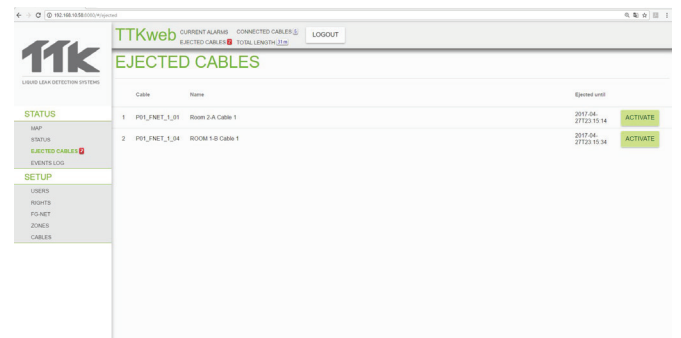


Figure 4

Sub-menu 'EVENTS LOG'

The latest alarm history can be seen from this sub-menu (see figure 5).

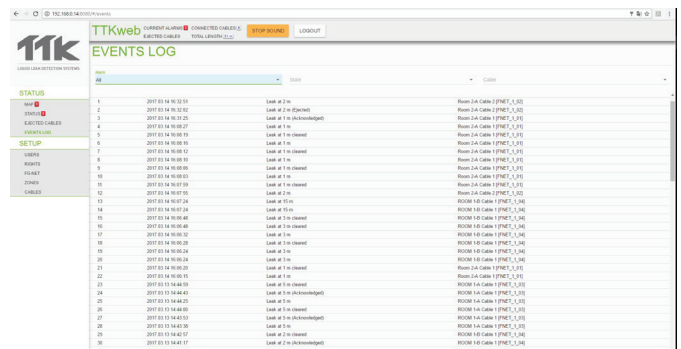


Figure 5

4 'SETUP' Menu

'SETUP' menu provides tools to configure the system.

■ Sub-menu 'USERS'

New users can be created under this menu. Password is required when add a new user. (see figure 6)

■ Sub-menu 'RIGHTS'

In this menu the administrator grant access/rights to three categories of operators: administrator, user and unprotected. (see figure 7)

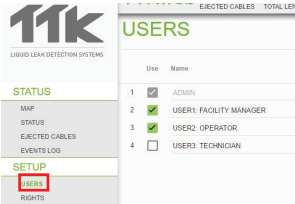


Figure 6

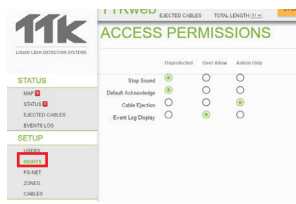


Figure 7

■ Sub-menu 'FG-NET'

This menu allows to link FG-NET panel to TTKweb. Enter the IP address, passcode and license code of the FG-NET panel to be connected. Press on button 'UPDATE' (see figure 8). The status 'online' indicates the successful connection between TTKweb and FG-NET panel. Repeat this step if several panels are to be connected.

Click on the icon 'OPEN' to view FG-NET Web Interface in a new window to configure FG-NET panel (Refer to 'FG-NET web interface' for more details).

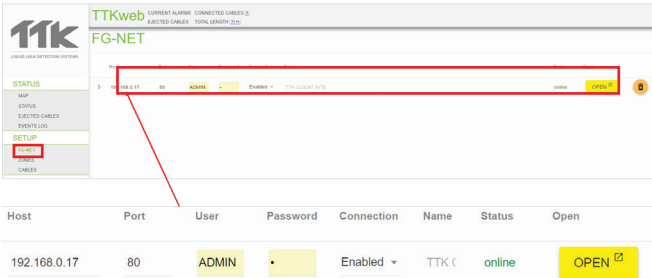


Figure 8

■ Sub-menu 'ZONES'

This menu allows to create the building tree map and upload maps for each zone and draw sub-zones.

Click on the icon 'ADD' to start creating the building tree, in the order as: building > zone > sub-zone. Example in figure 9:

Click on the '+' button to add a new zone or sub-zone.

Click on the 'map' button to attach a map from the computer.

Click on the button "UPDATE" to save the entered information.

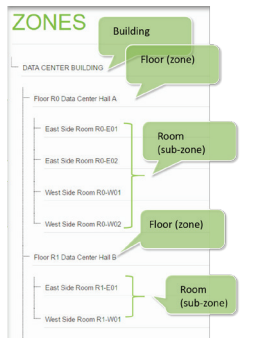


Figure 9

Example of the 'ZONES' menu once completed (see figure 10):

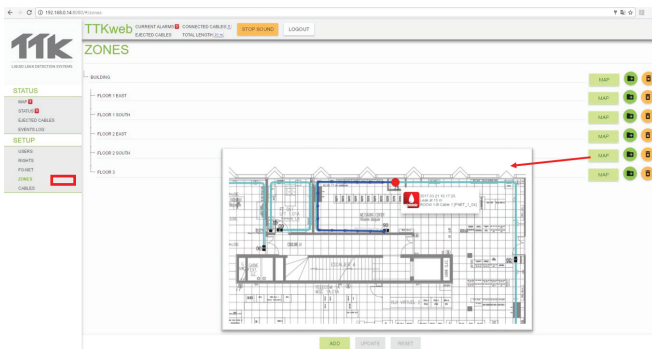


Figure 10

■ Sub-menu 'CABLES'

As the last step of configuration of the system, this menu allows to link each cable to a zone map and draw cables.

The names, lengths, quantities and types of the cables on the FG-NET unit are collected automatically by TTKweb, in condition of the successful connection between them. Click on the drop down menu to link each cable to a zone (see figure 11).

Zone	ID	Name	Length	Type
1	P03_FNET_1_01	Technical Room Cable 1	3m	WATER
2	P03_FNET_1_02	Technical Room Cable 2	3m	WATER
3	P03_FNET_1_03	Data Hall A CRAH1	7m	WATER
4	P03_FNET_1_04	Data Hall A CRAH2	15m	WATER
5	P03_FNET_1_05	Dall Hall B CRAH17	3m	WATER

Figure 11

Click on the 'MAP' button to open the associated map (see figure 12).

Zone	ID	Name	Length	Type	EJECT	MAP	
1	Floor R-1 Technical Room -	P03_FNET_1_01	Technical Room Cable 1	3m	WATER	EJECT	MAP
2	Floor R-1 Technical Room -	P03_FNET_1_02	Technical Room Cable 2	3m	WATER	EJECT	MAP
3	East Side Room R1-E01 -	P03_FNET_1_03	Data Hall A CRAH1	7m	WATER	EJECT	MAP
4	West Side Room R0-W01 -	P03_FNET_1_04	Data Hall A CRAH2	15m	WATER	EJECT	MAP
5	Floor R2 Telecom Hall Y -	P03_FNET_1_05	Dall Hall B CRAH17	3m	WATER	EJECT	MAP

Figure 12



Figure 13

Click on the '+' button to add a new sense cable on the map. To delete a cable, click on the '-' button (see figure 13).

To draw the cable, click and move the cursor.

Click on the button "UPDATE" to save the entered information.

The figure 14 shows an example of the 'CABLES' menu once completed:

Zone	ID	Name	Length	Type	EJECT	MAP	
1	FLOOR EAST -	P03_FNET_1_01	Room 3-A Cable 1	3m	WATER	EJECT	MAP
2	FLOOR EAST -	P03_FNET_1_02	Room 3-A Cable 2	3m	WATER	EJECT	MAP
3	FLOOR EAST -	P03_FNET_1_03	Room 1-A Cable 1	3m	WATER	EJECT	MAP
4	FLOOR SOUTH -	P03_FNET_1_04	Room 1-B Cable 1	3m	WATER	EJECT	MAP
5	FLOOR S -	P03_FNET_1_05	Room 1-C Cable 1	3m	WATER	EJECT	MAP

Figure 14