

# TTKweb Liquid Leak Detection Management Software

Software User Guide

## 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.

	TTK	TTKweb CUMBENT ALARUS COMPECTED CARLES & LOGOUT HOrizontal Bar: Quick glance of system's status						
11K	STA	TUS			ZONES DEVICES			
UID LEAK DETECTION SYSTEMS	STATU	JS': Main menu to supe	ervise the system					
		A global view of all connected panels and cables. In case of alarm, display here alarm and details.						
EVENTS LOG								
RGHTS FG-NET CONES CABLES	'SETU	P': Main menu to conf	igure the system		Connected panels			
		Date	Alarma Quick Events Log	Source				
	1	2017.03.14 17.18.50	Leak at 2 m cleared	Room 2-A Cable 2 (FNET 1 0	321			
	2	2017.03.14 17.18.24	Leak at 2 m (Acknowledged)	Room 2-A Cable 2 [FNET_1_0	32]			
	3	2017.03.14 17.14.42	Leek at 2 m	Room 2-A Cable 2 [FNET_1_0	12]			
	4	2017.03.14 17.14.04	Leak at 15 m cleared	ROOM 1-8 Cable 1 [FNET_1_	[04]			
	5	2017.03.14 17:12:47	Leak at 15 m	ROOM 1-B Cable 1 [FNET_1_	[04]			
			Look at \$2 = shound	DOOM & D Oakin & ITHET &	0.01			

## 3 'STATUS' Menu

 TTKweb interface consists of two main menus: STATUS and SETUP. To summerize, '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).



#### Sub-menu 'EJECTED CABLES'

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

E → C © 192.168.10.58.0000/9/vjec	itted						9. 월 ☆ 88 1
	TTKweb	URRENT ALARMS CONNECTED O	LOGOUT				
<b>11K</b>	EJECTE	O CABLES					
DEDID CEAK OFFICITION SISTEMS	Cable	Name				jected until	
STATUS	1 P01_FNET_1_01	Room 2-A Cable 1			2	017-04- 7T23-15-14	ACTIVATE
STATUS EJECTED CABLES 2	2 P01_FNET_1_04	ROOM 1-8 Cable 1			22	017-04- 7123 15 34	ACTIVATE
SETUP							
USERS							
FONET							
ZONES							
CABLES							
			Figure 4				

### Sub-menu 'EVENTS LOG'

The latest alarm history can be seen from this submenu (see figure 5).

	TTKweb CLARENT ALANASE CONNECTED CALLED STOP BOLIND LOSOUT					
11k	EVENTS LOG					
IQUID LEAK DETECTION SYSTEM	Ann					
	Al	- State	<ul> <li>Cable</li> </ul>			
STATUS						
MAPE	5 2017.03.14 16.32.51	Leak at 2 m	Room 2-A Cable 2 [FNET_1_02]			
and an B	2 2017.03.14 16 32.02	Look at 2 m (Ejected)	Room 2-A Cable 2 [PNET_1_02]			
FIRSTED CAR FR	3 2017.03.14.10.31.25	Leak at 1 m (Acknowledged)	Room 2-A Cable 1 [FNET_1_01]			
EPECTED CREEKES	4 2017.03.14 16:08 27	Leak at 1 m	Room 2-A Cable 1 [FN[T_1_91]			
EVENTELOG	5 2017.03.14 16:08.19	Leak at 1 m cleared	Room 2:A Cable 1 (FNET_1_01)			
ETUP	6 2017.03.14 10:00:15	Leak at 1 m	Room 2-A Cable 1 [PNET_1_91]			
10683	7 2017.03.14 10:00.12	Leak at 1 m cleared	Room 2-A Cable 1 [FNET_1_91]			
BUCK CT	8 2017.03.14 16:08:10	Leok at 1 m	Room 2:A Cable 1 (FNET_1_01)			
	2 2017.03.14 10.08.05	Leak at 1 m cleared	Room 2-A Cable 1 [PNET_1_91]			
FOAST	10 2017.03.14 10:00:03	Look at 1 m	Poten 2-A Cable 1 [FNET_1_91]			
CONES	11 2017.03.14 16:07.59	Leok at 1 m cleared	Room 2-A Cable 1 (FNET_1_01)			
CABLES	12 2017.03.14 10:07.55	Look at 2 m	Room 2-A Cable 2 [FNET_1_02]			
	13 2017.03.14 10/07/24	Leak at 15 m	ROOM 1-D Cable 1 [FNET_1_04]			
	14 2017.03.14 16/07.24	Leok at 15 m	FOCM 1-8 Cable 1 [FNET_1_14]			
	15 2017.03.14 10:06:48	Leak at 3 m cleared	ROOM 1-8 Cable 1 [FINET_1_94]			
	16 2017.03.14 10:00.48	Leak at 3 m cleared	ROOM 1-B Cable 1 [FNET_1_04]			
	17 2017.03.14 16:06:32	Look at 3-m	ROOM 1-8 Cable 1 [FNET_1_04]			
	18 2017.03.14 16:06:25	Leek at 3-m cleared	ROOM 1-8 Cable 1 [FNET_1_04]			
	15 2017.03.14 10:00.24	Leak at 3 m	ROOM 1-8 Cable 1 [FNET_1_94]			
	20 2017.03.14 10:06:24	Look at 3 m	ROOM 1-B Cable 1 [FNET_1_04]			
	21 2017.03.14 16:06:20	Look at 1 m cleared	Room 2:A Cable 1 (PNET_1_01)			
	22 2017.03.14 10:05:15	Leak at 1 m	Room 2-A Cable 1 [FNET_1_91]			
	23 2017.03.13.14.44.99	Leak at 5 m cleared	ROOM 1-A Cable 1 [FNET_1,03]			
	24 2017.03.13.14.44.43	Leek at 5-m (Acknowledged)	ROOM 1-A Cable 1 [PNET_1,03]			
	25 2017.03.13 14:44:25	Look at 5 m	ROOM 1-A Cable 1 [FNET_1_03]			
	26 2017.03.13 14.44.00	Leak at 5-m cleared	ROOM 1-A Cable 1 [FNET_1,03]			
	27 2017.03.13.14.43.53	Leek at 5 m (Acknowledged)	ROOM 1-A Cable 1 [FINET_1,03]			
	28 2917.03.13 14.43.38	Leak at 5 m	FOOM 1-A Cable 1 [FNET_1_03]			
	29 2017 03 13 14 42 57	Leak at 2 m cleared	ROOM 1-B Cable 1 [FNET_1_94]			
	30 2017.03.13.14.41.17	Leek at 2 m (Acknowledged)	ROOM 1-8 Cable 1 [FNET_1_04]			
	31 2017.03.13 14.40.55	Look at 2 m	ROOM 1-8 Cable 1 [FNET_1_94]			

Figure 5



'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)



#### 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' indiates the successful connection between TTKweb and FG-NET panel.

Click on the icon 'OPEN' to view FG-NET Web Interface in a

Repeat this step if several panels are to be connected.



new window to configure FG-NET panel (Refer to 'FG-NET web interface' for more details). **11**k FG-NET

Enabled

Fiaure 8

Password

ADMIN

#### Sub-menu 'ZONES'

192.168.0.17

ADD

MAP

Por

80

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



UPDATE save the entered information.

-	West Side	Room	R1-W0

OPEN

online

Fiaure 9

Example of the 'ZONES' menu once completed (see 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 sucessful connection between them. Click on the drop down menu to link each cable to a zone (see figure 11).

Cł	CABLES						
	Zone	ID	Name	Length	Туре		
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).

#### TTKweb CURRENT ALARMS CONNECTED CABLES

ΜΔΕ

С	CABLES								
	Zone	ID	Name	Length	Туре				
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	МАР		
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	МАР		

Figure 12



Click on the '+' button to add a new sense cable on the map. •PO3\_FNET\_1\_04 To delete a cable, click on the '-' button (see figure 13).

To draw the cable, click and move the cursor.

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

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



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