



# Robe Ethernet Access Portal (REAP)

ROBE
Status Personality Logs Discovery Settings

**Device status**

<p><b>DMX/RDM settings</b></p> <p>DMX address: 1</p> <p>DMX preset: Mode 1 (40 channels)</p> <p>DMX input: wired</p> <p>IP address: 2.247.92.33</p> <p>MAC address: 00:0d:19:06:5c:21</p> <p>RDM UID: 52-53-01:26:00:21</p> <p>RDM label: TX1</p>	<p><b>Device times</b></p> <p>Power on time: 225h / 222h</p> <p>LEDs on time: 666h / 0h</p> <p>Air filters: 280h / 300h <small>total / resetable</small></p>	<p><b>Device temperatures</b></p> <p>LEDs board top: 28°C / 94°C / 94°C</p> <p>LEDs board bottom: 24°C / 96°C / 96°C</p> <p>Base: 33°C / 49°C / 49°C</p> <p>Red/Amber leds: 23.1°C / 79°C / 79°C</p> <p>Green/Yellow leds: 23.1°C / 79°C / 79°C</p> <p>Blue led: 23.1°C / 79°C / 79°C <small>current / maximum / resetable</small></p>
<p><b>Wireless state</b></p> <p>State: not installed</p> <p>Signal strength: ---</p>	<p><b>Software versions</b></p> <p>Display System: 1.3</p> <p>Module M: 1.6</p> <p>Module L1: 1.1</p> <p>Module L2: 1.5</p> <p>Module L3: 1.1</p> <p>Module L4: 1.5</p> <p>Module O: 1.5</p> <p>Module F-A: 1.4</p> <p>Module F-B: 1.2</p>	

**Status messages**



## USER MANUAL

# Robe Ethernet Access Portal (REAP)

## Table of content

<b>1. Connecting and setting computer and fixtures .....</b>	<b>3</b>
1.1 Settings on computer .....	3
1.2 Settings on fixtures .....	3
<b>2. Starting Robe Ethernet Access Portal (REAP) .....</b>	<b>3</b>
2.1 Opening by web browser .....	3
2.1 Opening by ROBE Toolkit.....	3
<b>3. REAP menu screens.....</b>	<b>5</b>
3.1 Status screen .....	5
<b>3.2 Personality screen.....</b>	<b>7</b>
3.3 Logs screen .....	9
3.4 RAINS logs .....	10
3.5 Discovery screen .....	11
3.6 Settings screen .....	12
3.7 Identification icon.....	12
<b>4. Changelog .....</b>	<b>13</b>

## 1. Connecting and setting computer and fixtures

### 1.1 Settings on computer

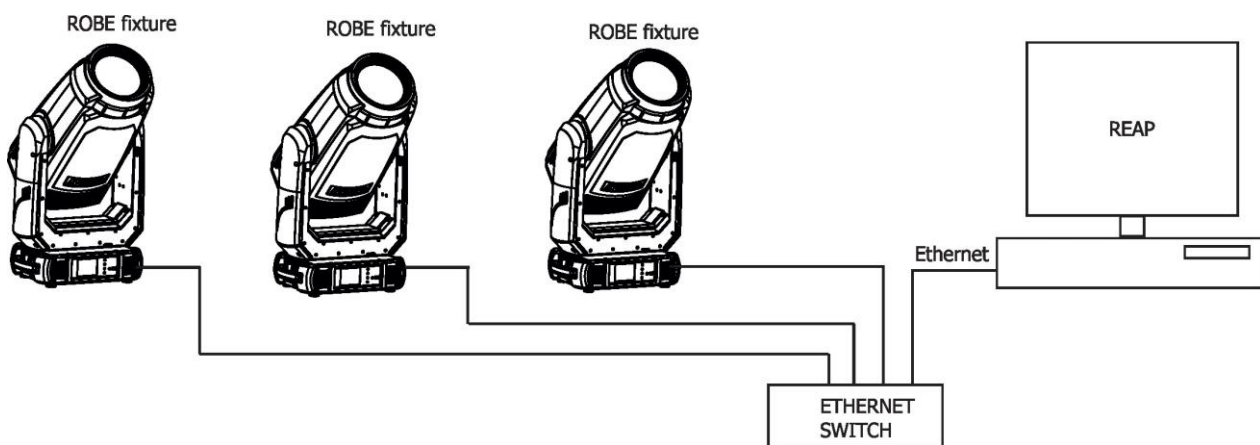
Your computer needs to be connected to the fixtures through the means of Ethernet wired network and a network switch. The computer needs to have configured network settings to be able to communicate with the fixtures through the network.

To do this, refer to the manual of your computer how TCP/IP network settings should be done. Set up manual IP address of your computer. The Ethernet network connection (Local LAN) typically needs to be set to 2.x.x.x address, for example 2.0.0.10, if no other computer on the network contains such an address while keeping all ROBE fixtures in default IP settings. Netmask of the computer should be 255.0.0.0.

### 1.2 Settings on fixtures

Typically, make sure to use the default 2.x.x.x IP address as provided.

There is no need to set the fixture into Art-Net mode, the menu " **Addressing - Ethernet Settings - Ethernet Mode**" can be in any settings.



## 2. Starting Robe Ethernet Access Portal (REAP)

The images (menus and options) shown below are from the iEsprite LTL, T1 Profile and iPainte LTM WB.

### 2.1 Opening by web browser

Type the IP address of the ROBE fixture to your web browser, e.g., <http://2.247.92.33>, enter the username: **robe** and the password: **2479**, the first menu screen of the ROBE fixture will appear.

**Note:** screens of the iEsprite LTL are shown in the text below as examples. Options in each screen can be slightly different for different ROBE devices (DMX modes, icons, light sources...).

### 2.1 Opening by ROBE Toolkit

Connect your computer to the fixture using Ethernet cable and run the ROBE Toolkit application.

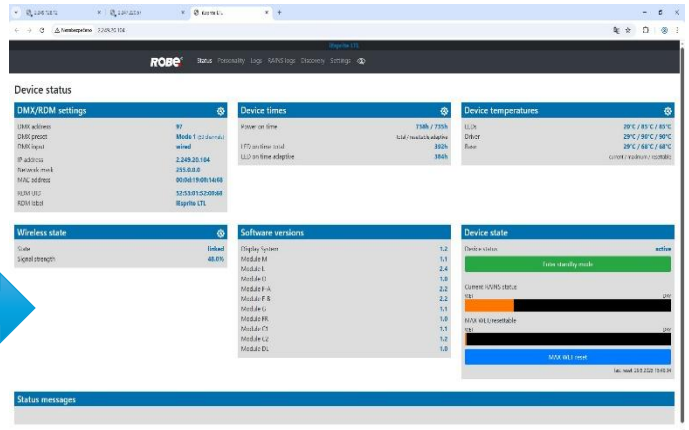
In ROBE Toolkit, go to SETTINGS→NETWORK. In NETWORK section, go to default Network Interface and check the point Ethernet and click on apply to read the fixture.

After exiting the SETTINGS, open Device Manager. There will ArtNet entry and your connected fixture. In item of your fixture, click on the more option menu (three buttons). After clicking on more option menu, there will be displayed four icons. Click on the icon Open in browser and you will be in web browser. Then enter the username:

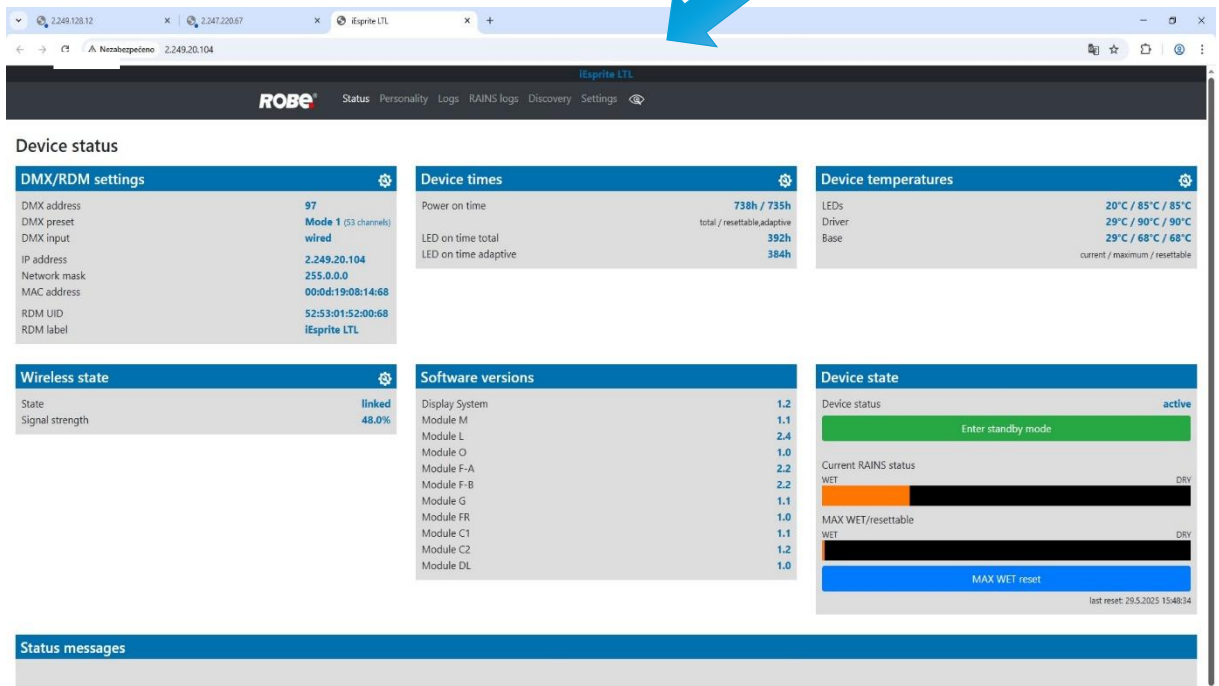
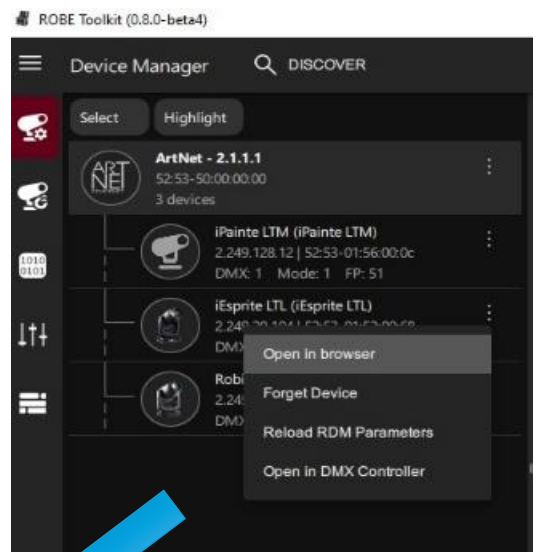
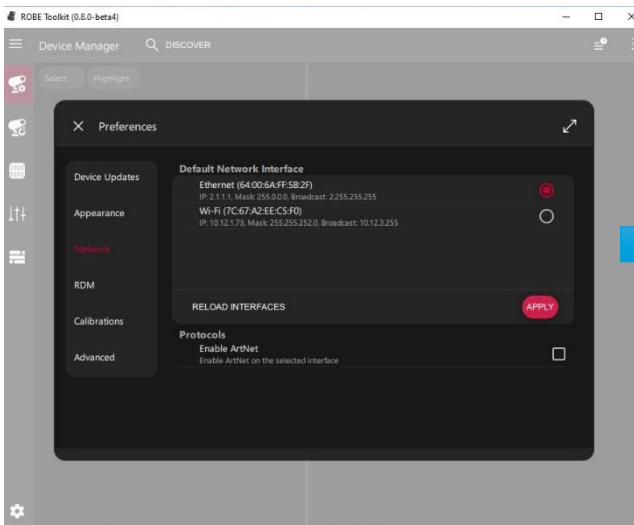
**robe** and the password: **2479**, the first menu screen of the ROBE fixture will appear.

**! CAUTION!:** Make sure that your computer is set to an 2.x.x.x address range with Netmask 250.0.0.0.

Example of opening by web browser:



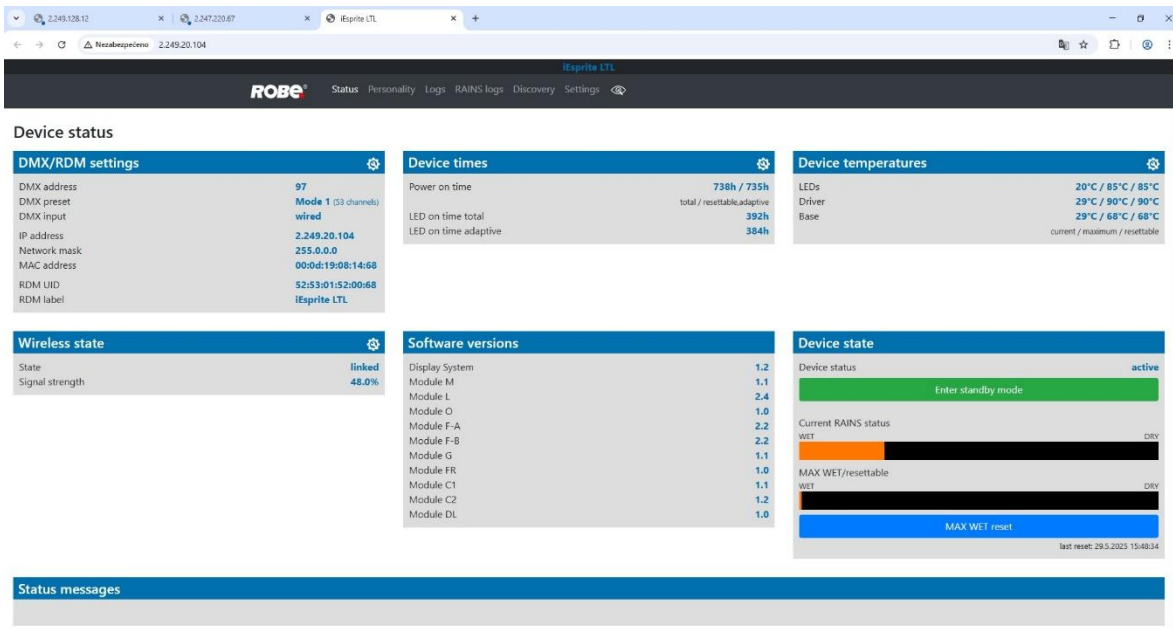
Example of opening by ROBE Toolkit:



### 3. REAP menu screens

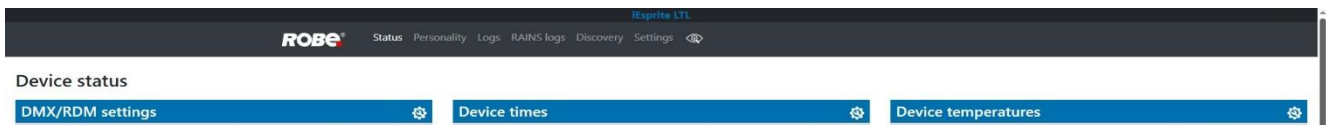
#### 3.1 Status screen

The screen gives you fast overview of fixture settings

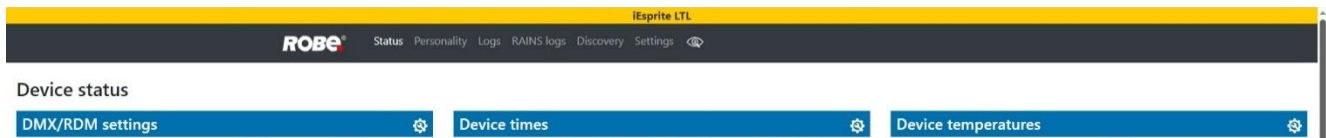


The background color of the top row of the screen with the name and RDM label of the fixture denotes state of the fixture.

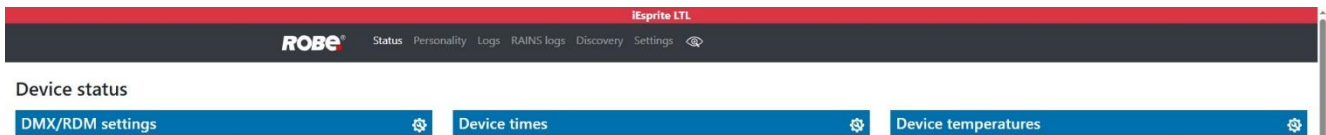
Fixture is ready for operation.



Fixture does not communicate with computer.



Fixture with error messages





The icon  allows you to change any values in a corresponding table.

Table "DMX/RDM settings"

 DMX/RDM settings
✕

**DMX address**

**DMX preset**

Mode 1

**DMX input**

wired

**RDM label**

Save

Table "Reset timers."

 Reset timers
✕

Power on time reset

Air filters reset

Table "Wireless settings"

 Wireless settings
✕

Unlink Wireless module

Table "Reset temperatures"

 Reset temperatures
✕

Led board top temperature reset

Led board bottom temperature reset

Base temperature reset

Red/Amber temperature reset

Green/Yellow temperature reset

Blue temperature reset

Table "Software versions" shows current versions of fixture's modules.

Software versions	
Display System	1.3
Module M	1.6
Module L1	1.1
Module L2	1.5
Module L3	1.1
Module L4	1.5
Module O	1.5
Module F-A	1.4
Module F-B	1.2

Table "Device state"

Device state
✕

Device status active

Enter standby mode

Current RAINS status DRY

WET

MAX WET/resettable DRY

WET

MAX WET reset

last reset: 29.5.2025 15:48:34

**! CAUTION!** Device state only displays for fixtures with IP65.

Table "Status messages" shows error messages occurred during fixture reset and operation.

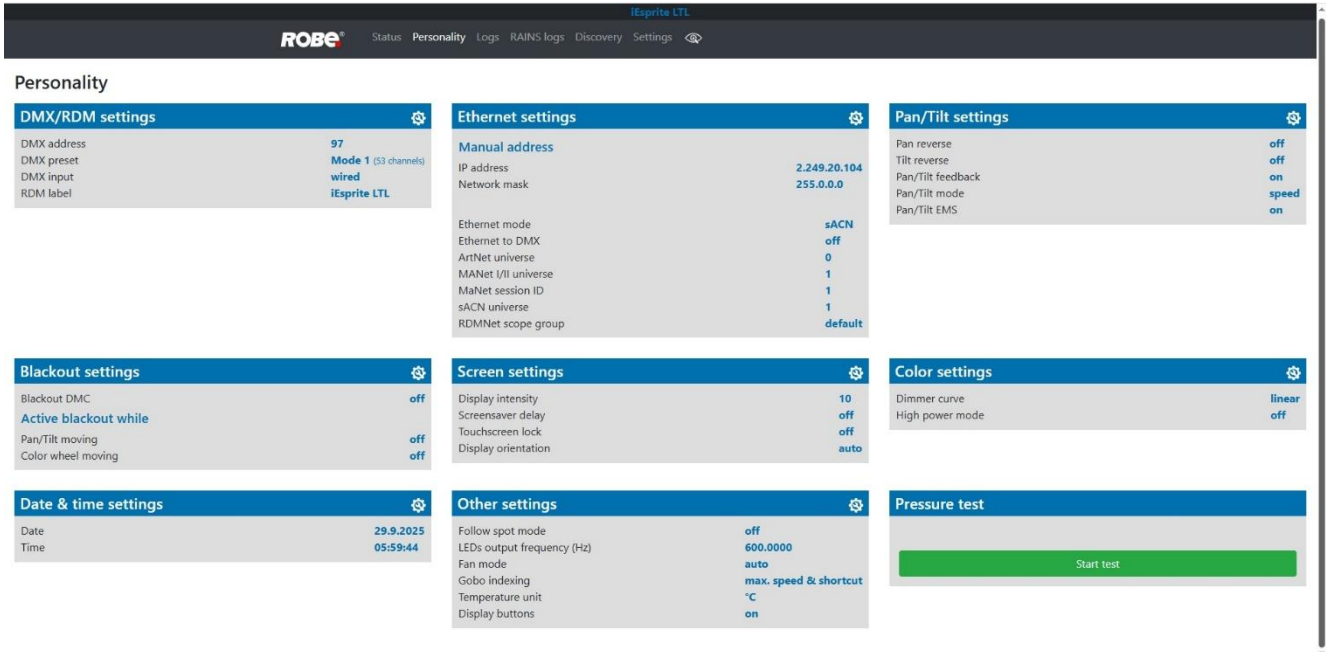
**Example:**

Status messages
✕

Blue 7 short error

Green 2 short error

### 3.2 Personality screen





The screen allows you to change fixture settings by clicking on the icon  in a corresponding table.

Table "DMX/RDM settings"

 DMX/RDM settings
✕


**DMX address**

**DMX preset**

**DMX input**

**RDM label**

Table "Ethernet settings"

 Ethernet settings
✕

**Ethernet mode**

disable  ArtNet  gMA1  gMA2  sACN

**Ethernet to DMX**

off  on


**ArtNet universe**

**MANet I/II universe**

**MANet session ID**

**sACN universe**

Table "Pan/Tilt settings"

 Pan/Tilt settings
✕

**Pan reverse**  off  on


**Tilt reverse**  off  on

**Pan/Tilt feedback**  off  on

**Pan/Tilt Mode**  speed  time

**Pan/Tilt EMS**  off  on

Table "Blackout settings"

 Blackout settings
✕

**Blackout DMC**  off  on

**Active blackout while**

**Pan/Tilt moving**  off  on

**Gobo wheel moving**  off  on

Table "Screen settings"

Screen settings
✕

**Display intensity**

**Screensaver delay**

**Touchscreen lock**

Display orientation

 normal  inverted  auto

Table "Color settings"

Color settings
✕

**Colour calibration mode**

 off  on

**Colour mixing mode**

 rgb  cmy

**Chromatic white**

 off  on

**Thungsten effect simulation**

 off  750 W  1000 W  1200 W  2000 W  2500 W

**Dimmer curve**

 linear  square law

Table "Date & time settings"

Date & time settings
✕

<b>Day</b>	<b>Month</b>	<b>Year</b>
<input type="text" value="26"/>	<input type="text" value="1"/>	<input type="text" value="2023"/>
<b>Hour</b>	<b>Minute</b>	<b>Second</b>
<input type="text" value="09"/>	<input type="text" value="27"/>	<input type="text" value="33"/>

Table "Other settings"

Other settings
✕

**Follow spot mode**

**Microphone sensitivity**

**Theatre mode**

 off  quiet

**Frequency setup (Hz)**

 300  600  1200  2400

**Frequency Adjust**

600.0000 Hz

**Fan mode**

 auto  high

**Temperature unit**

 °C  °F

Table "Pressure test"

Pressure test
✕

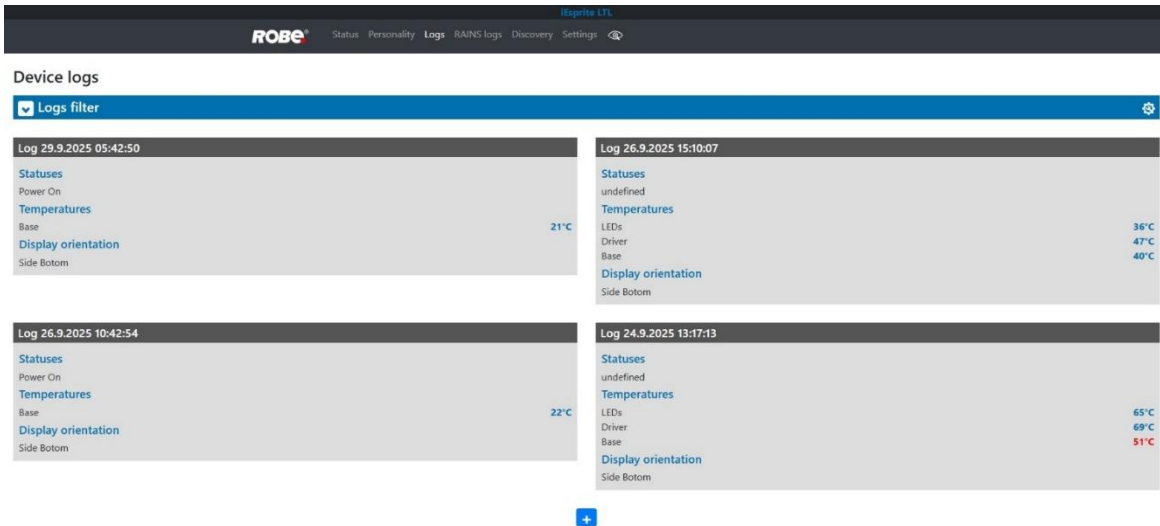
Start test

**! CAUTION!:** Table "Pressure test" only displays for fixtures with IP65.

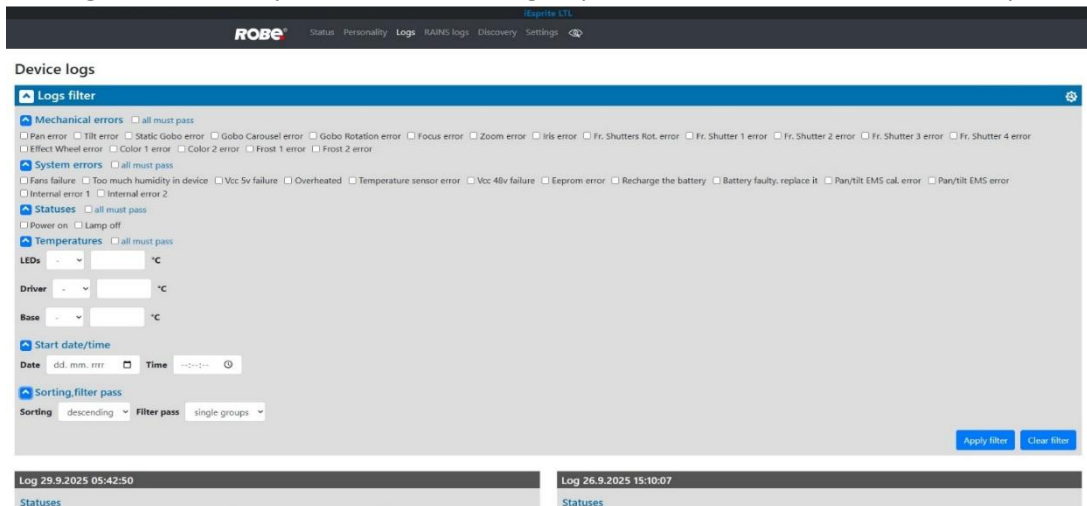
8

### 3.3 Logs screen

The screen displays operating information of the fixture which have been saved.




The option "Logs filter" allows you to select desired group of recorded errors and recorded operating values.

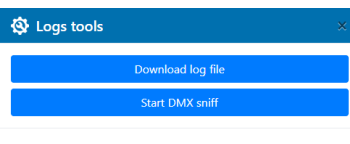


If the option "all must pass" is checked, only logs which have all selected errors will be displayed.

Menu "Sorting filter pass" --> option "single groups" means that logs which have at least one selected error will be displayed.

Menu "Sorting, filter pass" option "all groups" means that logs which have all selected error will be displayed.

The icon  offers you two options:



ou two options:

**Download log file** - the option allows you to download the log file to computer, name of the log file is file-abcd.log, where abcd is a fixture ID (e.g., file-015e.log).

**Start DMX sniff** - the option starts saving coming DMX values to the file, the file name is DMX\_sniffer.log).

To stop the DMX sniffing, either stop generating the DMX signal on the console, or stop changing the DMX values. When the DMX signal is static for more the 3 seconds, the DMX Sniff will stop automatically. Do not stop the DMX Snif by closing the download in the browser, it may save the file with incorrect data, always let the browser to self-close it when the DMX stops changing.

### 3.4 RAINS logs

This item allows you to set and read technical parameters of the fixture. You can select between two icons: **Sensors**- The icon shows random changes to the device while the device is on.

The screenshot shows the 'RAINS logs' section of the REAP interface. It includes a 'Sensors' tab and a 'Pressure measurements' sub-tab. A 'Logs filter' button is visible. Below it is a table with the following data:

Date / Time	Temperature [°C]	Relative humidity [%]	Pressure [hPa]
26.9.2025 10:49:29	27	36.0	991
26.9.2025 10:46:09	26	36.5	991
26.9.2025 10:44:06	25	37.5	991
26.9.2025 10:43:32	24	37.5	991
26.9.2025 10:42:46	23	39.0	991
24.9.2025 13:02:32	62	18.0	987
24.9.2025 12:58:48	61	17.0	987
24.9.2025 12:52:37	60	16.5	987
24.9.2025 12:42:27	59	14.0	987
24.9.2025 12:37:46	61	13.5	987
24.9.2025 12:36:06	63	13.5	987
24.9.2025 12:36:04	62	13.5	987

The option "Logs filter" allows you to looking for records and compare temperature, relative humidity or pressure.

**Apply filter**- Button for apply changes.

**Clear filter**- Button for remove changes.

The screenshot shows the 'RAINS logs' section with the 'Logs filter' panel expanded. It includes fields for 'Start date' and 'End date' (both set to 'dd.mm.yyyy'), and dropdown menus for 'Temperature' (°C), 'Relative humidity' (%), and 'Pressure' (hPa). There are 'Apply filter' and 'Clear filter' buttons. Below the filter panel is a table with the following data:

Date / Time	Temperature [°C]	Relative humidity [%]	Pressure [hPa]
29.9.2025 06:28:37	32	38.5	986
29.9.2025 06:22:21	31	38.5	986
29.9.2025 06:13:40	30	38.0	986
29.9.2025 06:08:22	29	38.0	986
29.9.2025 06:03:12	28	37.5	986
29.9.2025 05:58:27	27	37.5	986
29.9.2025 05:54:05	26	37.5	986

### Example of download file:

The screenshot shows a browser window with a downloaded CSV file named '2.249.20.104/sensors-017c.csv'. The file content is as follows:

```

Date / time  Temp [C]  RHV [%]  Pressure [hPa]
12.5.2025 06:43:23  31  16,0  981
12.5.2025 06:45:39  32  15,0  981
12.5.2025 06:48:21  33  15,0  981
12.5.2025 06:51:43  34  14,0  981
12.5.2025 06:55:44  35  15,5  981
12.5.2025 07:01:26  36  13,0  981
12.5.2025 07:02:32  37  12,5  981
12.5.2025 07:03:38  38  12,5  981
12.5.2025 07:04:56  39  11,5  981
12.5.2025 07:06:24  40  11,0  981
12.5.2025 07:10:18  36  12,5  981
12.5.2025 07:10:48  37  12,0  981
12.5.2025 07:12:53  38  11,5  981
    
```

**Pressure measurements-** The icon displays information about pressure test.

**RAINS logs**

Sensors Pressure measurements Download measurements file

Date / Time	Temperature [°C]	Relative humidity [%]	Pressure [hPa]	Pressure difference [hPa]	Duration [ms]	Result
26.9.2025 10:56:58	30	35.0	991	0.06	02:04	Fail

**Download measurements file-** Button allows you to download.

**Example of download file:**

2.249.20.104/pressure-tests-017.csv

Date / Time	Temp [C]	RH [%]	Pressure [hPa]	Pressure difference [hPa]	Duration [ms]	Result
26.9.2025 10:56:58	30	35,0	991	0,06	02:04	Fail

**Note:** Item "RAINS logs" only displays for fixture with IP65.

### 3.5 Discovery screen

If you have two and more fixtures, the option Discovery allows you to show all connected fixtures in the network. Click on the blue button **Discover** and fixtures connected in the network will be displayed.

**Discovery**

Move devices with warning to top Discover (3)

Columns selection (max. 7 items)

DMX address  DMX preset  RDM UID  IP address  Head temperature [°C]  Relative humidity [%]  RAINS (max wet)  Last pressure test  Device status Apply selection

Device	DMX address	DMX preset	RDM UID	IP address	RAINS (max wet)	Device status
Robin T1 Profile	390	Mode 3 (53 channels)	52:53:00:f9:00:f2	2.245.180.242	-	-
iEsprite LTL	97	Mode 1 (53 channels)	52:53:01:52:00:68	2.249.20.104	█	active
iPainte LTM	1	Mode 1 (51 channels)	52:53:01:56:00:0c	2.249.128.12	█	active

The background color in the device row denotes state of the fixture.

**Examples:**

**Discovery**

Move devices with warning to top Discover (3)

Columns selection (max. 7 items)

DMX address  DMX preset  RDM UID  IP address  Head temperature [°C]  Relative humidity [%]  RAINS (max wet)  Last pressure test  Device status Apply selection

Device	DMX address	DMX preset	RDM UID	IP address	RAINS (max wet)	Device status
iEsprite LTL	97	Mode 1 (53 channels)	52:53:01:52:00:68	2.249.20.104	█	active
Robin T1 Profile	390	Mode 3 (53 channels)	52:53:00:f9:00:f2	2.245.180.242	-	-
iPainte LTM	1	Mode 1 (51 channels)	52:53:01:56:00:0c	2.249.128.12	█	disconnected

Blue- Blue color indicates "server fixture" (fixture of which IP address you have written to your WEB browser).

White- White color indicates that fixture ready for operation.

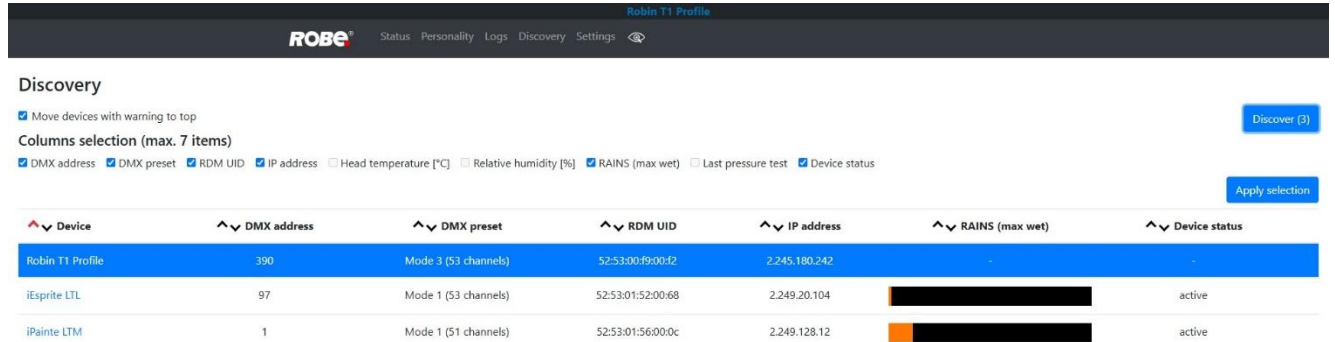
Yellow color- indicates fixture which does not communicate with computer or "server fixture."

Red color- indicates fixture with error message.

If the option "Move devices with warning to top" is checked, fixtures with any error will be displayed on the top of fixture list.

Icons allows you to order values in the column in descending or ascending order.

**Note:** The values of the fixture in the first blue row ("server fixture") will not be included into ordering.

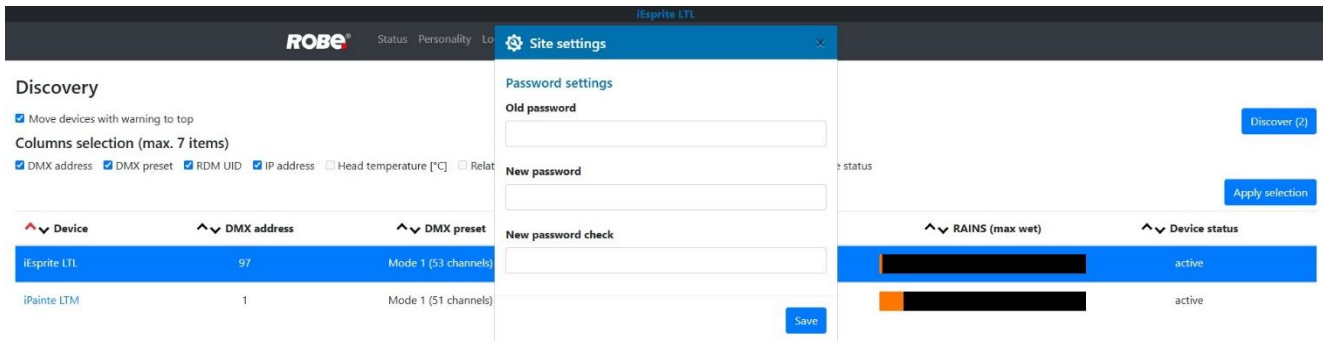


**Columns selection-** Icons for the status of device.

**! CAUTION!:** You can check only six items.

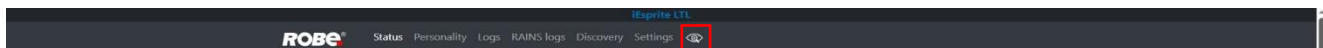
### 3.6 Settings screen

The screen allows you to change password to REAP.



### 3.7 Identification icon

The icon serves for identification of the fixture in a group of fixtures. After clicking on the icon, the fixture's head will start to move, or the fixture will start to light (if fixture does not have moving head).



## 4. Changelog

This section summarizes changes in the user manual.

Version of the manual	Date of issue	Description of changes
1.1	27/02/2023	DMX sniff added
1.2	30/09/2025	Starting ROBE Ethernet Access Portal (REAP), RAINS logs

*March 27, 2023*

*Copyright © 2023 Robe Lighting - All rights reserved.*

*All Specifications subject to change without notice*

*Made in CZECH REPUBLIC by ROBE LIGHTING s.r.o. Palackeho 416/20 CZ 75701 Valasske Mezirici*