

# PREMIUM GREEN'UP CHARGING STATIONS

## USER GUIDE

### Communication Kit and RFID player



LE10990AA-02

This user guide introduces the features of Legrand Communication Kit (reference number: 059056).

The document is designed to complete the instructions given at the delivery of your charging station.

This guide is designed to help you with:

- Navigating through the webpages of your communication tool;
- Setting up your tool: how to use it and the use with or without a tag list;
- Managing the available features: on, off, and planning among others;
- Downloading/Charging the stored data from your station;
- Carrying out your software maintenance regarding your Green'Up charging station and its communication tool.

If you are looking for further information, do not hesitate to contact our Customer Service.

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### 1. How to access your Green Up Account?

1. Your Charging station's URL: IP address to access the webpages.

Default:

**IP: 192.168.1.200**

Mask: 255.255.255.0

Gateway: 192.168.1.1

2. Your login form: use a valid username and password

Default:

**Login: admin**

**Password: admin**

If your login or password are not valid; the webpage will automatically refresh, and the fields will be empty/blank

#### Good to know: practical information



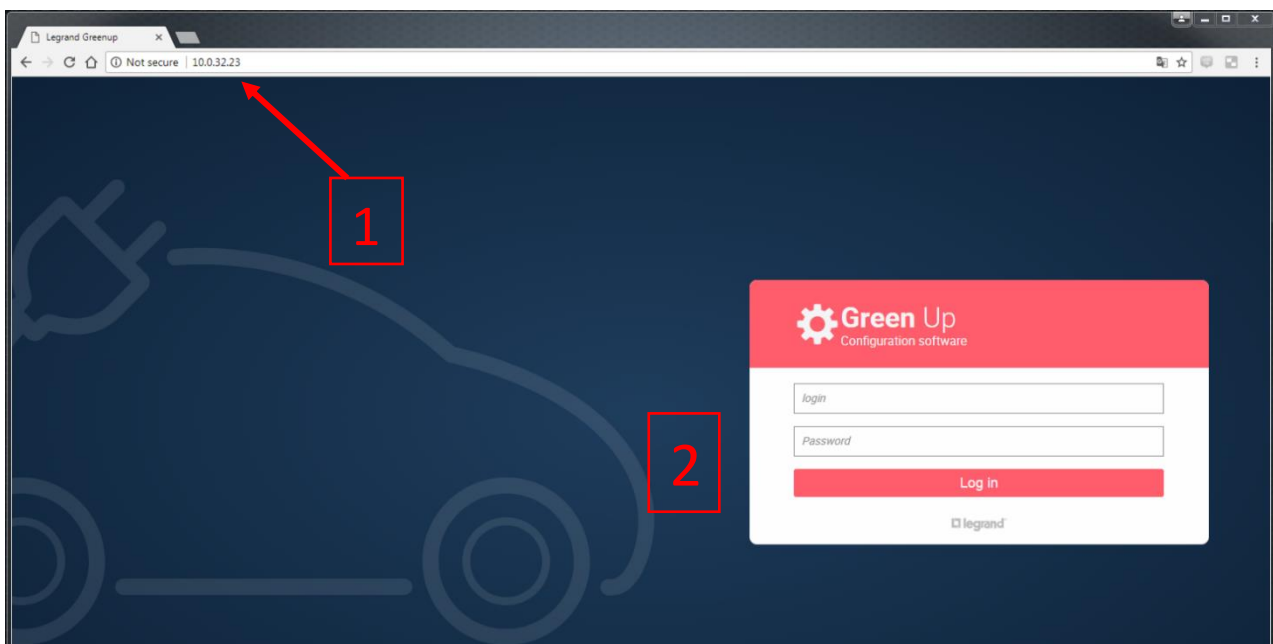
- Compatible browsers: Internet Explorer, Mozilla Firefox, Google Chrome;
- Automatic logoff after fifteen minutes of inactivity;
- Re-login required if you click on the back button or if you close the tab or your browser

### 3. What is the procedure to change your login or password?

- If you change your login, you also need to change your password

### 4. What can you do if you forget your password?

- You need to reboot your charging station to return to the default connection settings. To proceed, contact our Customer Service.



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### 2. How to set up your account?

1. Your charging station: Date and time:
  - It will automatically synchronize when you connect to your account
2. The key icon enables to modify your login and password. In case it is your first connection, make sure to change your username and password  
Default:  
**Login: admin**  
**Password: admin**
3. You can change the reading language by clicking on the arrow. When changing the language, you will be disconnected, and a re-login will be needed.
4. You can find a reminder regarding your username/login.
5. You can quit your session by clicking on “disconnect” and you will return to the homepage/connection page

The screenshot displays the Legrand Greenup web interface. The top navigation bar includes a settings gear icon, the text 'GreenUp 05/04/2018 14:17:33', a 'change your password' link, a language dropdown menu set to 'English', and a user profile section for 'admin' with a 'Disconnect' link. The main content area is divided into two columns: 'Left side' and 'Right side'. The 'Left side' shows a 'Ready to charge' status with a battery icon and 'Direct Charge' text. The 'Right side' shows a '2P+T charging' status with a battery icon and 'Direct Charge' text. Below these, there are two 'Electricity data' tables. The left table shows: Max charging current: 32A, Max cable current: 0A, Requested current: 0A, Instant charging current: 0.00A. The right table shows: Max charging current: 32A, Max cable current: 16A, Requested current: 16A, Instant charging current: 9.75A. A sidebar on the left contains navigation icons for Dashboard, Networks, Charging mode, Program, Actions/Settings, RFID, Stored datas, and Informations. Red annotations (1-5) highlight the settings gear, the 'change your password' link, the language dropdown, the 'Disconnect' link, and the 'admin' user name respectively.

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### 3. Dashboard: What is on your dashboard?

**A quick reminder:** grey elements on the left of your screen correspond to your menu, you can surf from one page to another very easily.

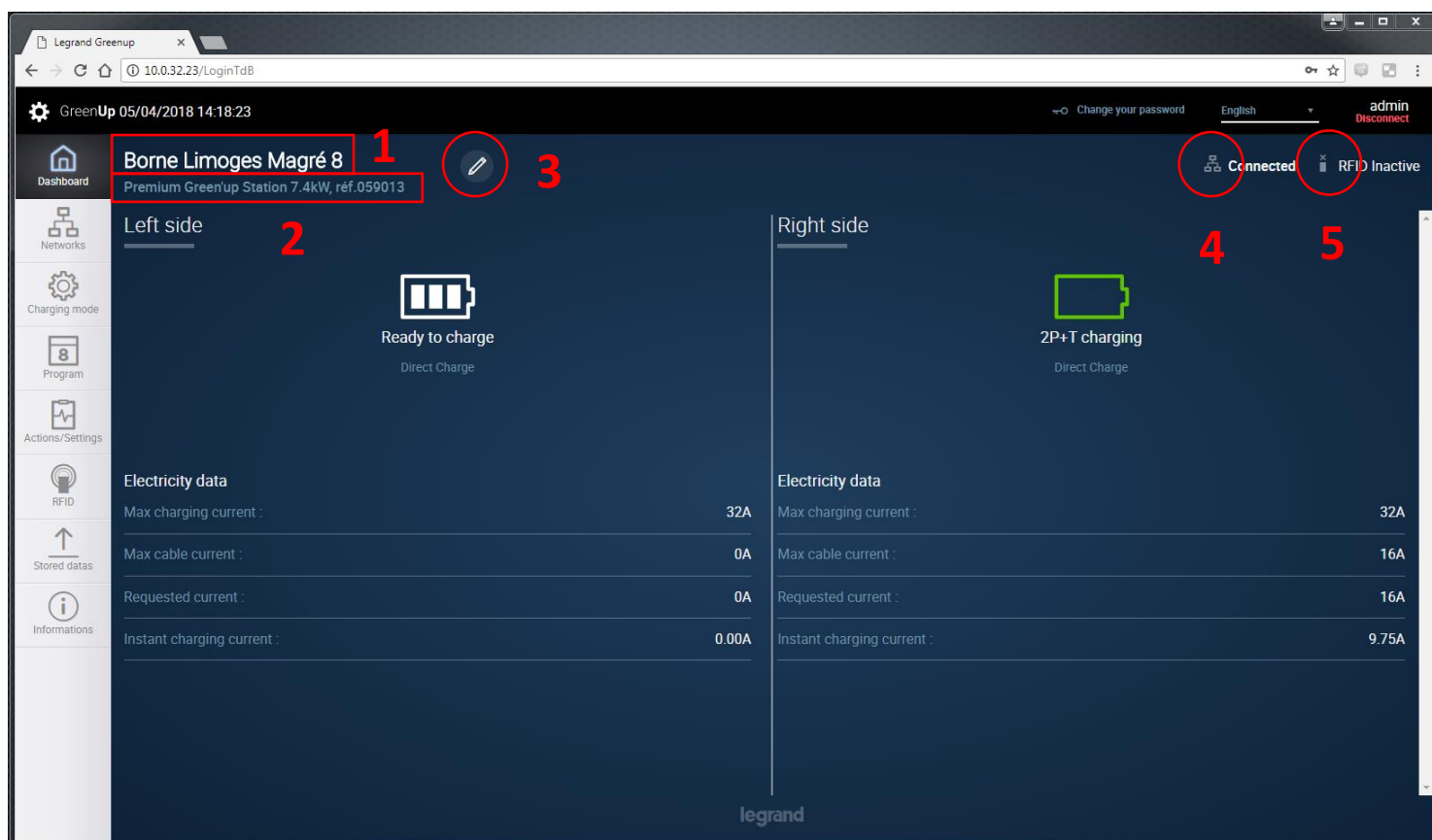
<b>Dashboard</b>	you can have a global view on the status of your charging station
<b>Networks</b>	you can modify the settings regarding the wired or wireless networks of the communication kit
<b>Charging mode</b>	you can change the mode of the charging point(s). A double charging station means that you can access two charging points
<b>Program</b>	you can manage a list of programs of the charging points
<b>Actions/Settings</b>	<ul style="list-style-type: none"><li>• you can create commands to manage the charging point(s);</li><li>• you can manage the maximum charging current of the charging point(s).</li></ul>
<b>RFID</b>	you can manage the operation of your RFID player (if installed)
<b>Stored Data</b>	you can monitor and download your consumption history as well as the errors that occurred
<b>Information</b>	<ul style="list-style-type: none"><li>• you can access all the technical information linked with the charging point(s)</li><li>• you can update your charging station</li></ul>

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### Dashboard 1/3

1. Name of your charging station → quick identification of the station
2. Reminder of the typology and the reference number
3. By clicking on the pen icon, you can modify the name of your charging station. To save it, click again on the icon.
4. Two different icons can be found regarding the type of connection of your communication kit:
  - RJ45 connection (wired connection)
  - Wi-Fi connection
5. Two different icons regarding the RFID option activation status



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### Dashboard 2/3

#### Good to know:



- A classical charging station is considered having only one charging point
- A double charging station is considered having two independent charging points

- The left side physically corresponds to the charging point on the left, front view
- The right side physically corresponds to the charging point on the right, front view

The charging data are updated each second on your screen. You can observe the charging status by looking at the battery icon, from the start to the current charging point.

The screenshot displays the Legrand GreenUp dashboard for a 'Borne Limoges Magré 8' Premium Green'up Station (7.4kW, ref. 059013). The interface is split into two columns: 'Left side' and 'Right side'. Each column shows a battery icon indicating the charging status and a table of electricity data.

Station	Charging Status	Max charging current	Max cable current	Requested current	Instant charging current
Left side	Ready to charge	32A	0A	0A	0.00A
Right side	2P+T charging	32A	16A	16A	9.75A



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The different status:

<b>Ready to charge</b>	Your electric car is not plugged in
<b>T2S start pending status</b> <b>Or</b> <b>2P+T start pending status</b>	Your electric car is plugged in but is still on hold to be charged
<b>T2S charging</b> <b>Or</b> <b>2P+T charging</b>	Your electric car is plugged in and is charging
<b>T2S charging completed</b>	Your electric car is fully charged (mode 3)
<b>Locked</b>	Your charging station is locked
<b>Update in progress</b>	Your charging station is updating
<b>Error</b>	Your charging station is defective

Under the battery icon, you can check what charging mode is selected:

- Direct charge
- External signals
- Program/planning
- Modbus



### Good to know:

If the RFID is on, you can access the card ID used

## Dashboard 3/3

As previously mentioned, information is automatically refreshed each second.

Here is a list of errors you can encounter:

- Locking error – T2S plug;
- Unlocking error – T2S plug;
- CP short-circuit error regarding your charging station, wire or electric car;
- CP short-circuit error regarding your charging station;
- Contactor opening error – household socket
- Contactor closing error – household socket
- Contactor opening error – T2S plug
- Contactor closing error – T2S plug
- Diode error – undetected regarding your electric car

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- Overcharging error – T2S plug
- Overcharging error – household socket
- Unknown error

Here is a list of the electric information that appear on your screen:

- Max charging current → basic current setting that you can modify by clicking on Actions/settings on the left menu
- Max cable current → states the charging current of the cable used
- Requested current → sent from the charging station to your electric car
- Instant charging current → raised by the current transformers (CT)

The screenshot shows the Legrand GreenUp web interface for a charging station named 'Borne Limoges Magré 8'. The interface is split into two columns: 'Left side' and 'Right side'. Both sides show a battery icon and the status 'Direct Charge'. The 'Left side' shows 'Ready to charge' and the 'Right side' shows '2P+T charging'. Both sides have a red box around the text 'Error detected : information'. Below this, there is a table of 'Electricity data' for each side. The 'Left side' table shows: Max charging current: 32A, Max cable current: 0A, Requested current: 0A, Instant charging current: 0.00A. The 'Right side' table shows: Max charging current: 32A, Max cable current: 16A, Requested current: 16A, Instant charging current: 9.75A. A red box around the bottom of these tables is labeled 'List of electric information'. The Legrand logo is at the bottom center.

Left side		Right side	
Max charging current :	32A	Max charging current :	32A
Max cable current :	0A	Max cable current :	16A
Requested current :	0A	Requested current :	16A
Instant charging current :	0.00A	Instant charging current :	9.75A

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### 4. Networks: What is available?

#### Networks 1/2

The networks settings include:

- The IP address of the communication kit;
  - The subnet mask;
  - The IP address of the network's gateway.
- 
- If the DHCP option is on, the fields are no longer editable;
  - Each modification needs to be validated by clicking on "Save";
  - When you save the modifications, your communication kit will restart.

#### 1. Click on the red button to turn on or off the DHCP

*When looking at the example given, the DHCP is off (default status when you are using a wired connection)*

- DHCP off: you can modify the networks settings
- DHCP on: your server automatically attributes the network settings

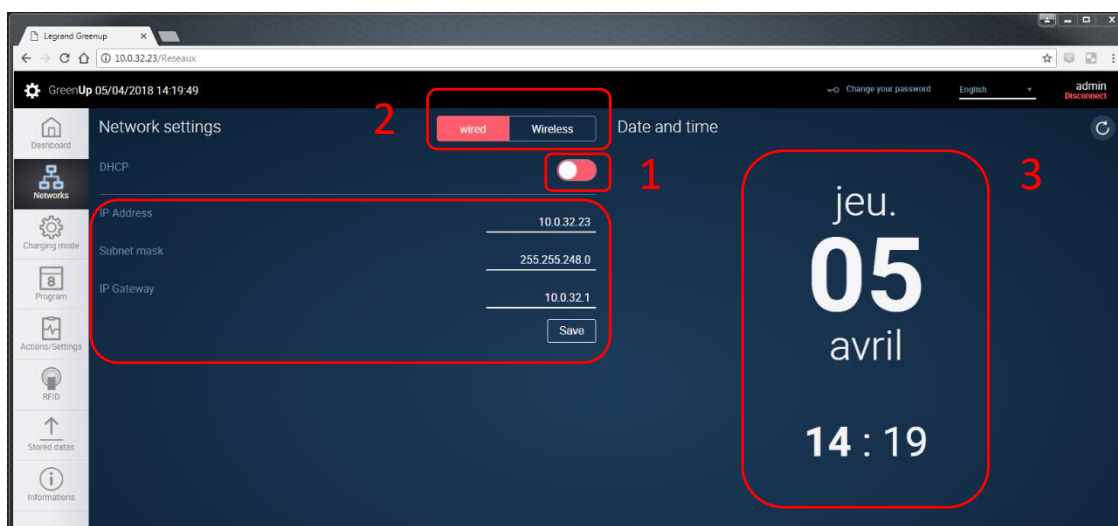


#### Good to know:

Avoid using the DHCP when you want to reach the webpages via an IP address from your browser

#### 2. When you click on the buttons "Wired" and "Wireless", you can switch between the network settings

3. Here, you can look at the date and, but you can also force the synchronization with your computer's date and time.



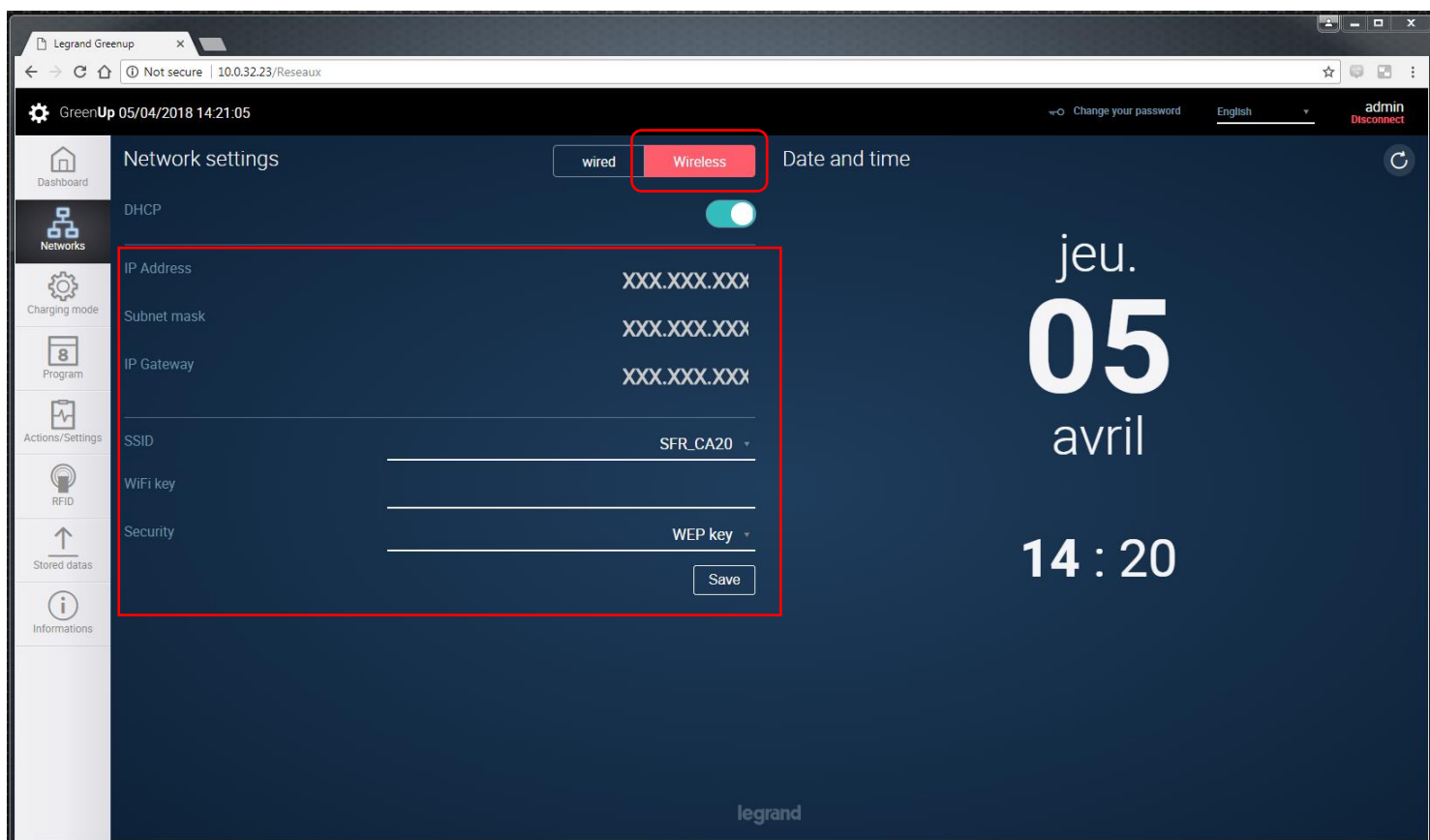
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### Networks 2/2

Here is a list of the wireless network settings:

- SSID: list of the networks available and identified by the charging station (if the charging station is connected to a wireless network, the SSID of the latter will be the first displayed);
- Wi-fi key: corresponds to the Wi-fi access key (often called the WEP key);
- Safety/Security: type of network's safety/security

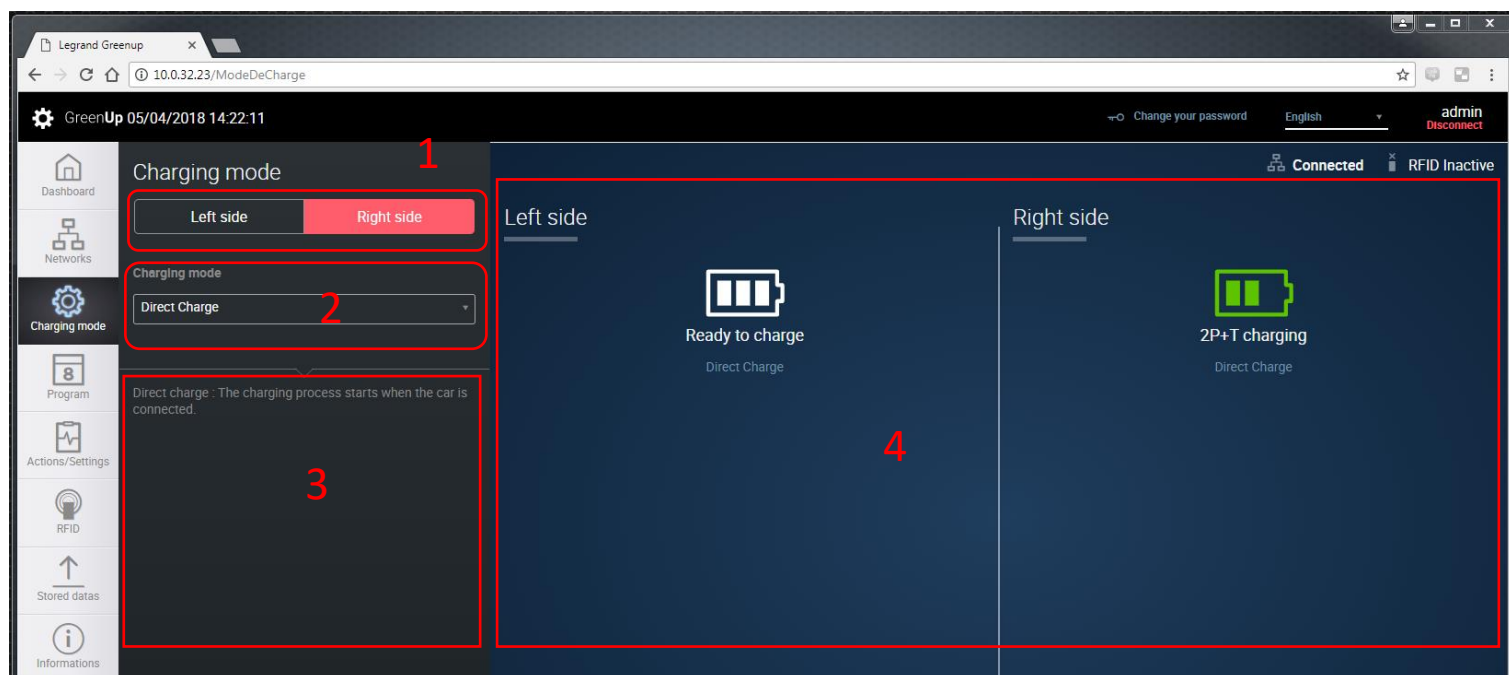


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### 5. Charging mode: How to set your charging mode?

1. You can either select "left side" or "right side". If your charging station has one side, only the "right side" will be displayed;
2. You can select your charging mode by clicking on the arrow, you can choose:
  - Direct charge: no authorization needed to charge your car;
  - External signals: consider dry contact input for charging your car (with or without authorization from the station);
  - Program: consider the planning you created in the tab "program";
  - Modbus: enables to set the Modbus RS485 network and to start the charge from its charging point via Modbus and if possible with the Legrand Energy Webserver;
  - OCPP : Open Charge Point Protocol
3. You can check if any functioning information regarding the charging mode and settings are displayed in this dedicated space;
4. You can access quick information, refresh each second.



### 6. Program: How to create your planning?

#### Program 1/2

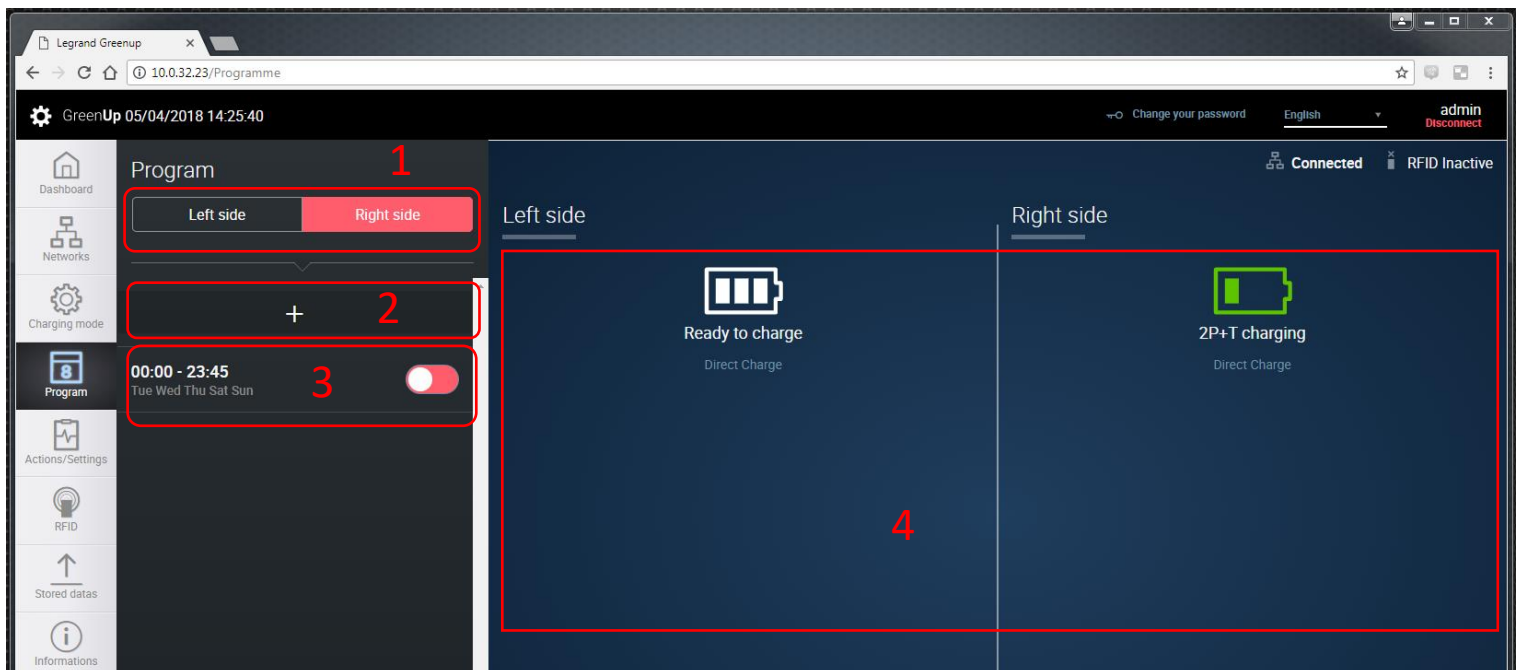


**Good to know:** You cannot plan several programs on the same period.

1. You can either select “left side” or “right side”. If your charging station has one side, only the “right side” will be displayed;
2. You can choose your favorite program by clicking on the button;
3. You can have a clear view on the programs you created:
  - Start and end of the program
  - Days you selected

You can turn off and turn on the established planning by clicking on the button. When it is red, it is off, when it is green, it is on.

4. You can access quick information, refresh each second.



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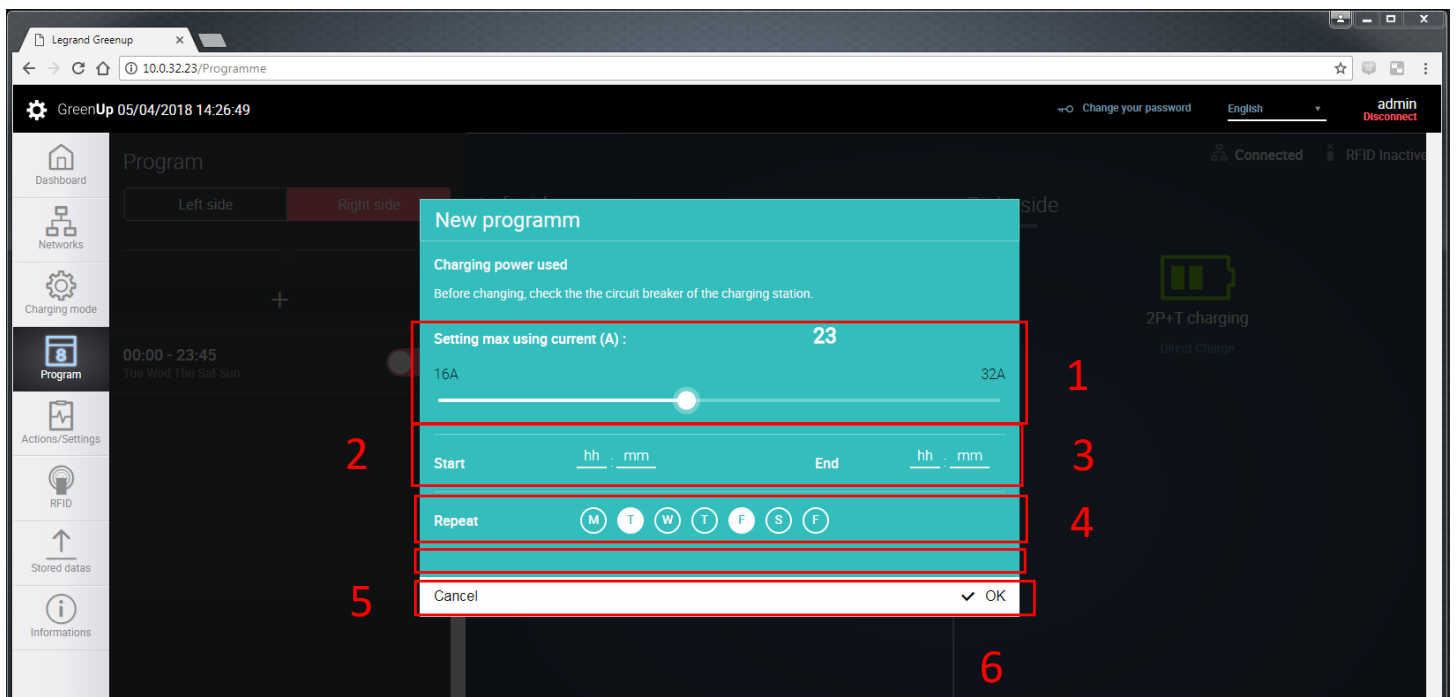
### Program 2/2: How to create a new program?



**Good to know:** You can create a program on two days:

- The first one by setting the end time at midnight (24H00)
- The second one by setting the start time at (0H00)

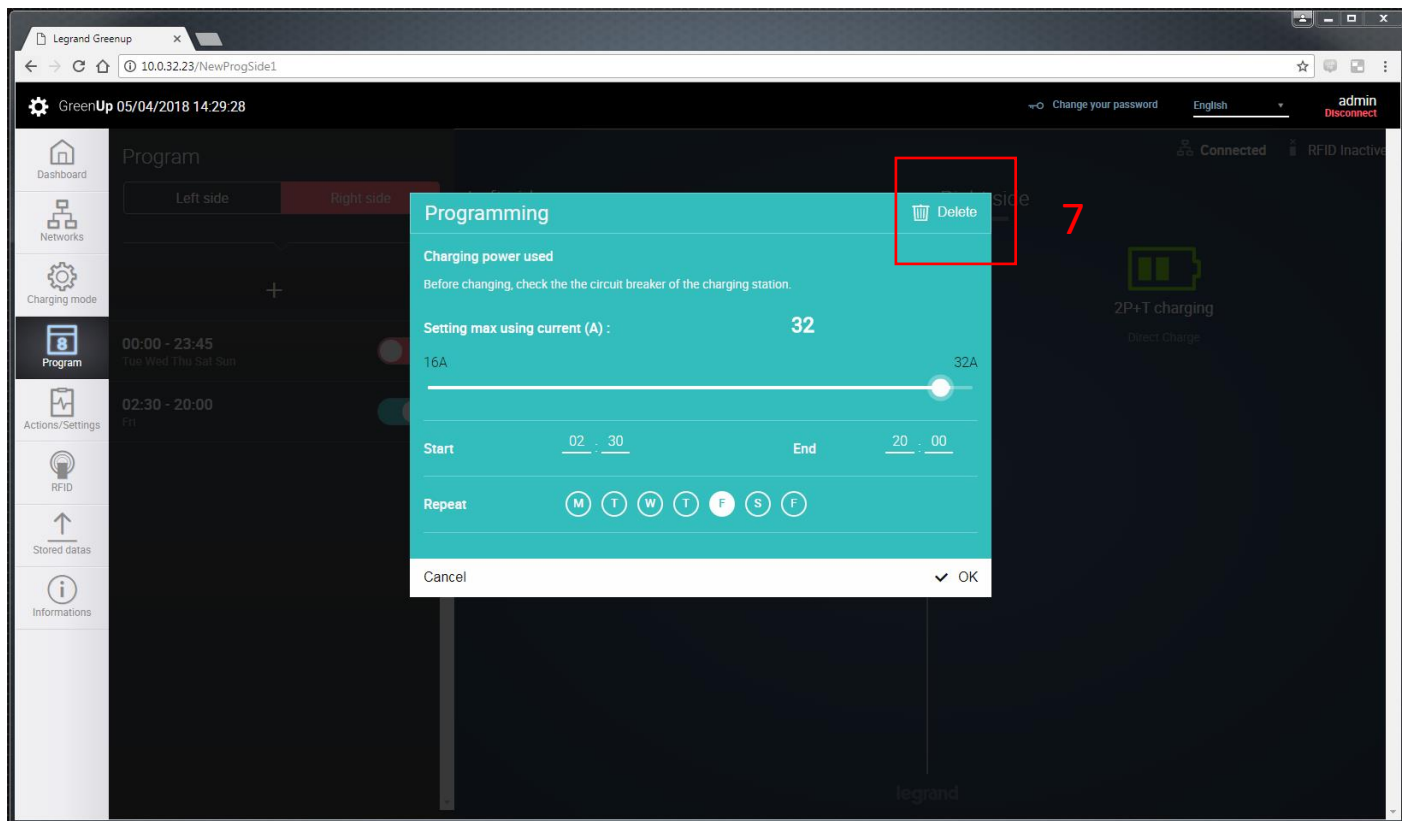
1. You can modify the current during the selected period by moving the cursor (here 23A);
2. You can select the start time; the bridge is about 15 minutes;
3. You can select the end time; the bridge is about 15 minutes;
4. You can select the days, in the example Tuesday and Friday are selected;
5. You can receive an error message if your planning is not correctly selected;
6. You can click on "Cancel" to abandon the new planning or you can click on "Ok" to save the new planning;



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7. You can suppress the program by clicking on “Delete”.



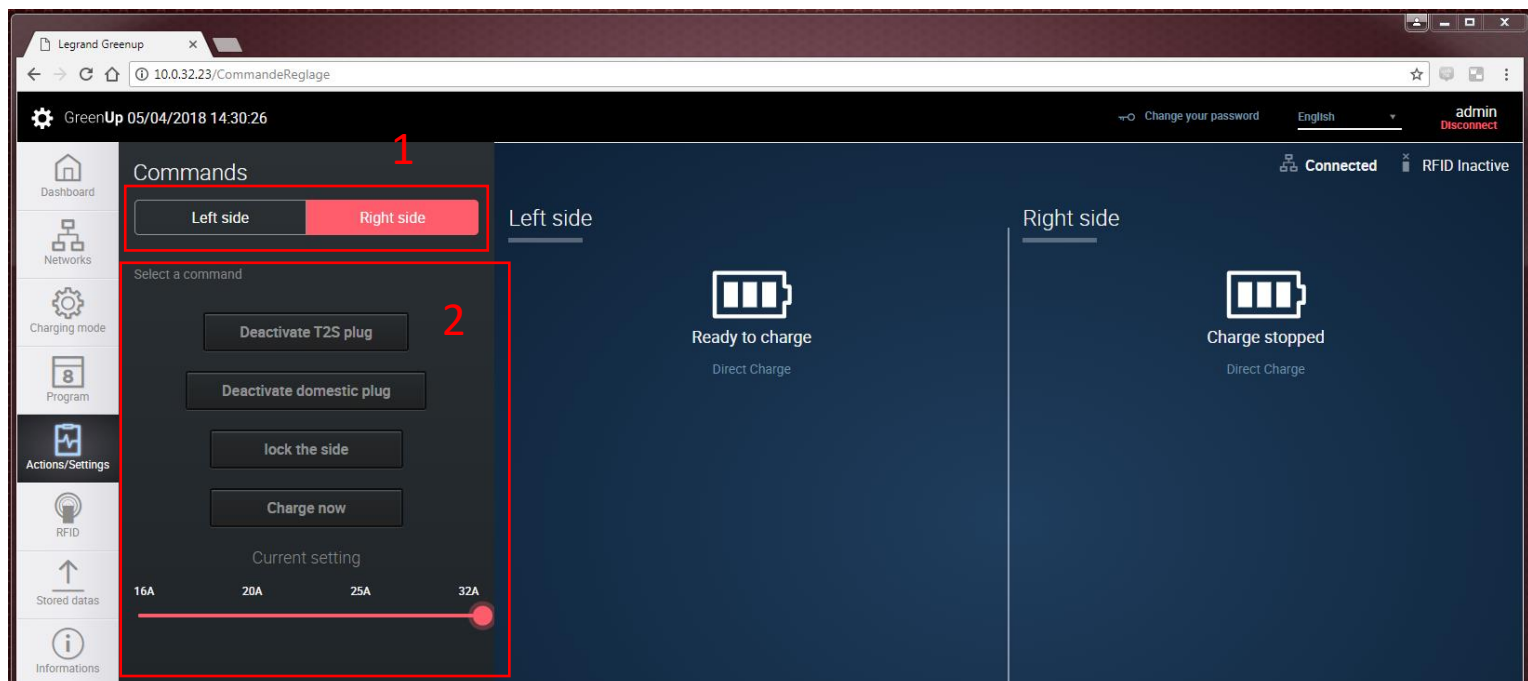


### 7. Actions / Settings

1. You can either select "left side" or "right side". If your charging station has one side, only the "right side" will be displayed;

What actions are available regarding your charging point?

Deactivate/Activate TS2 plug	You can deactivate the TS2 plug, the plug is unusable
Deactivate/Activate TS2 plug	You can deactivate the 2P+T plug, the plug is unusable
Lock in/Lock out the side	You can choose to make the side not accessible, your charging station is unusable. You can only allow activation by clicking on "Activate"
Charge now/ Charge stop	You can remotely start or end a charge
Current setting	You can set the maximum charging current (apart from an existing program, because you already set it when you create your program)



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### 8. RFID

**WARNING:** The RFID kit 0 590 59 needs to be installed before activating the function. If it is not the case, your charging station will not be usable.



**Good to know:** It is easy to create a tags list and to duplicate it to other charging stations. To manually enter a tags list, it is better to download the RFIDlist.csv and insert lines. You need to keep the csv format otherwise it may not work, your list will not be uploaded.

1. You can turn on and turn off the RFID function by clicking on “Activate” or “Disactivate”.

The screenshot displays the Legrand GreenUp web interface for RFID management. The interface is divided into a left sidebar with navigation options (Dashboard, Networks, Charging mode, Program, Actions/Settings, RFID, Stored datas, Informations) and a main content area. The main content area is split into a 'Left side' and a 'Right side'.

**Left side:**

- RFID Activation:** A toggle switch is currently set to 'Deactivated' (indicated by a red box and the number 1).
- RFID reader mode:** Two radio buttons are present: 'Local mode' (selected, indicated by a red box and the number 2) and 'Remote mode'.
- Tags programming with the reader:** Two radio buttons are present: 'Using mode' (selected, indicated by a red box and the number 3) and 'Storing mode'.
- Create a tags list:** A section with four numbered steps (indicated by a red box and the number 4) and three buttons: 'Upload RFIDlist.csv', 'Choose File' (No file chosen), and 'Store RFIDlist.csv'.

**Right side:**

- Charge status:** Two battery icons are shown. The left one is labeled 'Ready to charge' and 'Direct Charge'. The right one is labeled 'Charge stopped' and 'Direct Charge'.
- RFID status summary:** A table-like view showing the current status of RFID activation, reader mode, and tags programming.

RFID	Left side	Right side
RFID activation :	Inactive	Inactive
RFID reader mode :	Local mode	Local mode
Tags programming :	Using mode	Using mode

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What actions are available regarding the RFID function?

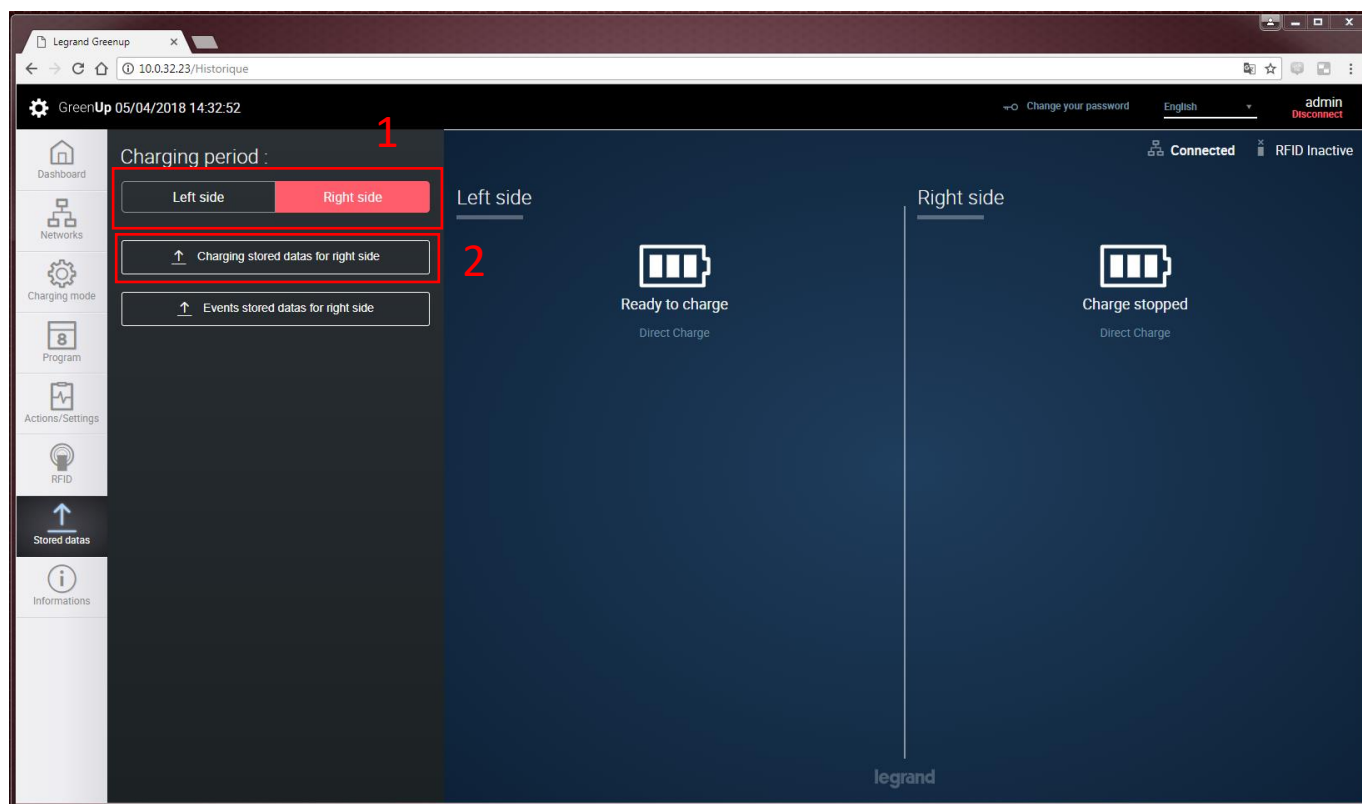
<b>2. RFID reader mode</b>	<ul style="list-style-type: none"><li>• <b>Local mode:</b> when you use your tag, your station will compare it to the saved tags. If your tag is already saved your station allows the start otherwise the process is denied</li><li>• <b>Remote mode:</b> when you use your tag, your charging station waits for a feedback from an access control system operator. The protocol used is Wiegand. If a signal is sent, your charging station allows the charge, otherwise it is denied.</li></ul>
<b>3. Tags programming with the reader</b>	<ul style="list-style-type: none"><li>• <b>Using mode:</b> your charging station is ready to use, usually in local mode. If your tag is identified by your charging station the charging process can start. You can plug in your electric car before or after the tag passage. You can easily know if you are identified by looking at the lights.</li><li>• <b>Storing mode:</b> Every time you use a tag on the reader, the latter is saved in the list of authorized tags. You can easily know if it was stored by looking at the lights. When the list is created, turn your charging station on Using mode”</li></ul>
<b>4. Create a tags list</b>	<ul style="list-style-type: none"><li>• By clicking on “Upload RFIDlist.csv” you can access the tags list on your computer. The file includes three columns:<ol style="list-style-type: none"><li>1. Date and Time of the tag storage</li><li>2. The tag’s ID</li><li>3. Name of the tag</li></ol></li><li>• By clicking on “Choose File” you can select a tags list file from your computer (.csv)</li><li>• By clicking on “Store RFIDlist.csv” you can load the tags list in the communication kit. This new list replaces the previous one.</li></ul>

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### 9. Stored data: What can you download?

1. You can either select "left side" or "right side". If your charging station has one side, only the "right side" will be displayed;
2. By clicking on "Charging stored data for right side" you can download a csv file. In this document, you will find the whole history of your charging point.



Here is an example:

Date et heure de début de la session	Temps total en min	Temps sans charge en min	Temps de charge en min	Energie en Wh	Date et heure de fin de la session	Type de fiche	Id (si RFID activé)	Nom (si RFID activé)
15/02/2018 17:53	962	897	65	3029	16/02/2018 09:54	EVplug		
19/02/2018 16:30	116	24	92	6950	19/02/2018 18:26	EVplug		
19/02/2018 18:26	878	877	1	0	20/02/2018 09:03	EVplug		
20/02/2018 10:44	1385	1298	87	127	21/02/2018 09:48	EVplug		
21/02/2018 11:57	69	1	68	4652	21/02/2018 13:05	EVplug		

You can find:

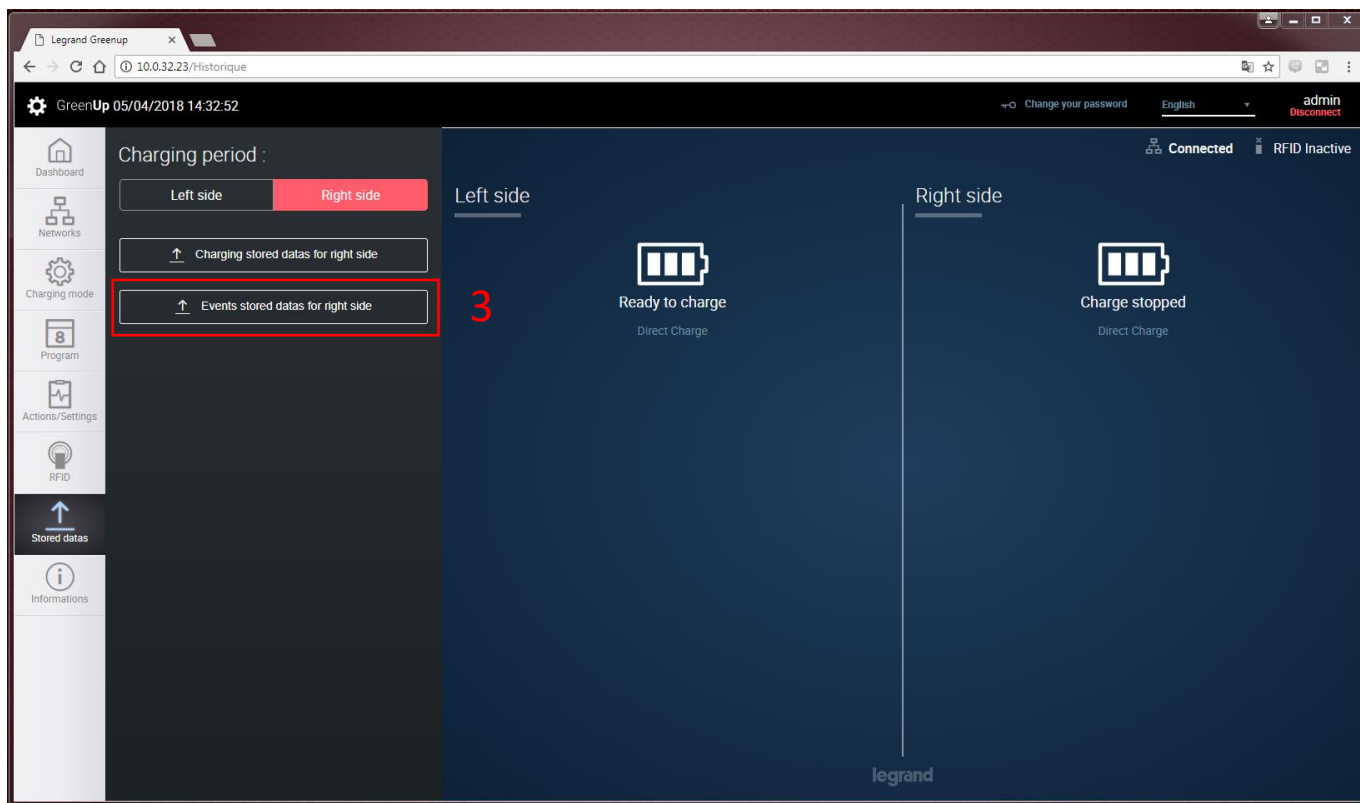
- the start time and date;
- the total time recorded in minutes;
- the waiting time recorded in minutes;
- the charging time recorded in minutes;

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- the total wattage;
- the end time and date;
- the type of plug used;
- the tags ID if the RFID is activated.

3. By clicking on “Events stored data for right side”, you can download the csv file. In this document, you will find the errors that occurred regarding your charging point.



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Here is an example:

Date	Heure	Code erreur	Erreur
12/02/2018	12:41:18		0 No error detected
12/02/2018	17:29:05		0 No error detected
15/02/2018	17:46:08		0 No error detected
21/02/2018	10:49:09		0 No error detected

You can find:

- Date and time;
- The error's reference;  
It enables its identification and a description of the error.
- The "no error detected" report is saved in your file to guarantee that everything worked correctly

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### 10. Useful Information and Update

1. By clicking on “Refresh” you can reset your communication kit. It involves that you will be disconnected, and the pack will restart;
2. You can access general information such as: the product typology, the reference, the traceability (date of production), and the station number;
3. You can access information regarding your charging points (left or right side) as well as the software and hardware versions;
4. You can **update your charging station** (communication pack, RFID and charging points):
  - You need to **download** the last version of “Dossier.ZIP” (KitCom.zip);
  - Then, you need to **add the file** by clicking on “Add a file”;
  - Finally, you need to **click on “Setup”** to start the update.
5. You can access information about your communication kit with the reference, the software version, the webpages software version and the hardware version.

The screenshot displays the Legrand GreenUp web interface. The main content area is titled "General stations Informations" and includes a "Refresh" button. The interface is divided into several sections:

- General stations Informations:** A table with the following data:

Reference	REF 059013
Date	41W17
Station number	000022
- Update:** A section with "Update instructions" and a "+ Add a file" button with a "Setup" button below it.
- Right side informations:** A table with the following data:

Reference	REF 059056
Kit com software version	V01.00.48
Web pages Software version	V01.00.44
Hardware Version	a02082
- Left side informations:** A table with the following data:

Software Version	V01.01.30
Hardware Version	V02.00.00

LE10990AA-02