Buspro Gateway

User Manual

(Applicable model: HDL-MGWIP.430)

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HDL Automation Co., Ltd.

Update History

The form below contains the information of every update. The latest version contains all the updates of all former versions.

No.	Version	Update Information	Date
1	V1.0.0	Initial release	Dec 16, 2020

1 Introduction

Buspro Gateway (Model: HDL-MGWIP.430) is a product designed based on Linux system hardware platform. It sup-ports HDL Buspro Setup Tool, ON+, Cloud server, etc., integrating scene, logic, security, clock, server automatic prompt upgrade and other functions.

This manual offers the information on the configuration process of Buspro Gateway done on Buspro Setup Tool 2, and the following tools might be included:

- Buspro Gateway (Model: HDL-MGWIP.430)
- A computer with Buspro Setup Tool 2
- Buspro driver, or if needed, KNX and HomeKit drivers are also available for device control.
- Dedicated Buspro cables

Notice:

① Please refer to the datasheet attached to the product for the information of installation, wiring, specifications, etc.

② The pictures in this user manual are for reference only and the actual product should prevail.

2 Enter the Configuration Page

1. As shown in Figure 2-1, connect the panel to the system, and open Buspro Setup Tool 2 in the computer.
2. Click “Fast Search”.
3. Double click the “Model” or “Description” column to enter configuration page, as shown in.

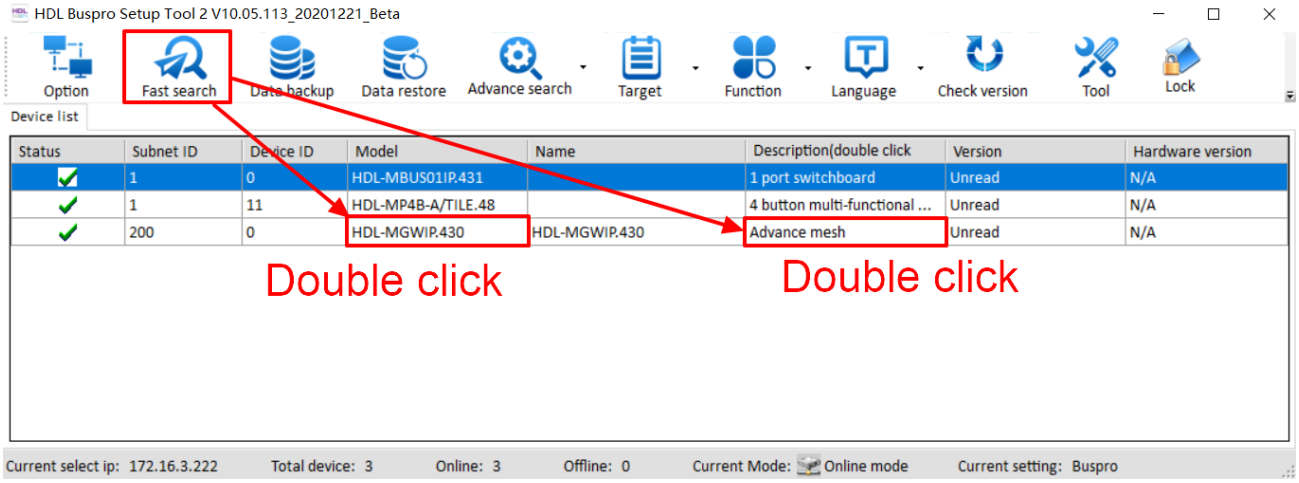


Figure 2-1 Click “Fast Search”

4. As shown in Figure 2-2, double click the column “Gateway Type” to open the configuration page.

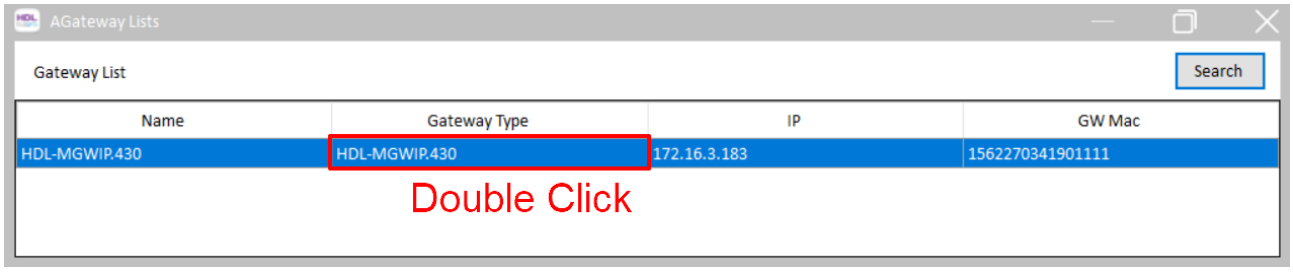


Figure 2-2 Double Click “Gateway Type”

2.1 Remote Access

① As shown in Figure 2-3, open Buspro Setup Tool 2, click “Option” → “Remote access” → Select the type “MQTT2.0”.
② Add home, e.g., input “My Home” → Select “AGATEWAY” → Click “Add Home”.
③ Click the search icon, the area you added can be shown in below list.
④ Click “OK” to complete the setting.

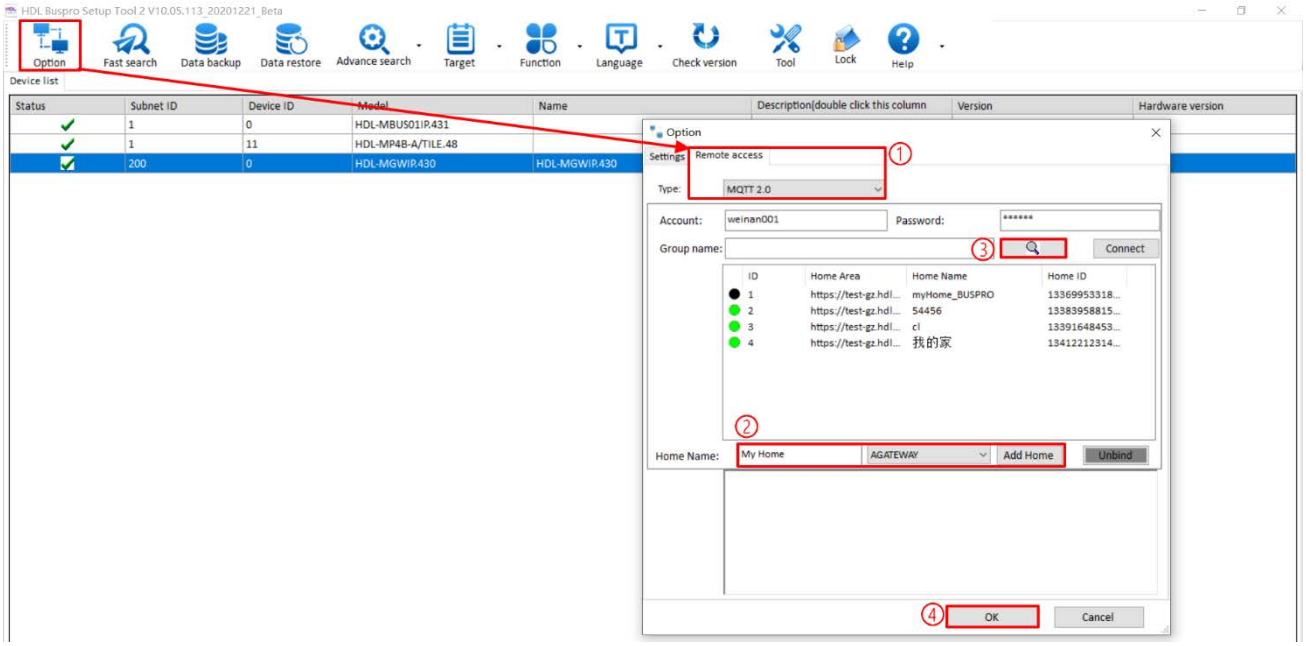


Figure 2-3 Remote Access Settings

⑤ As shown in Figure 2-4, click “Search”, then double click the column “Gateway Type” to open the configuration page.

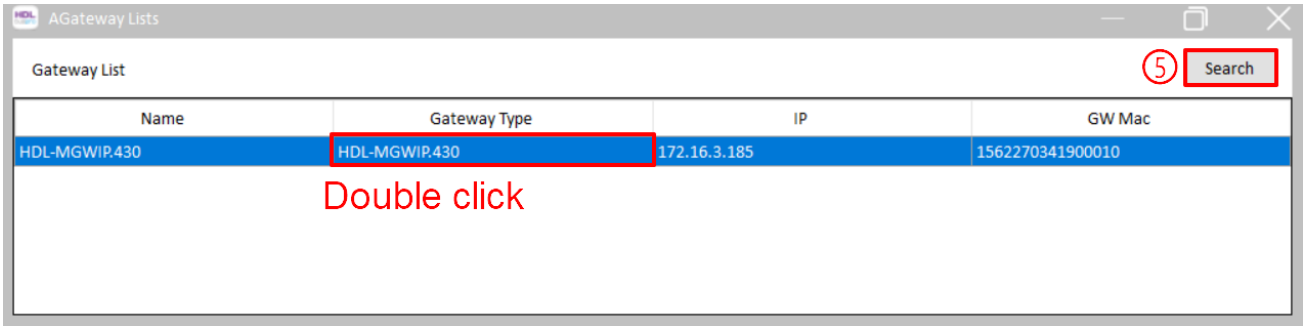


Figure 2-4 Remote Access Settings

⑥ As shown in Figure 2-5, click the tab “Network information” to open the configuration page → Select Home, e.g., “My Home” → Click “Save” → Regarding the connection status of gateway and the cloud, green means that the information for the new area has been successfully uploaded to the cloud. The user can remotely control this area via App.

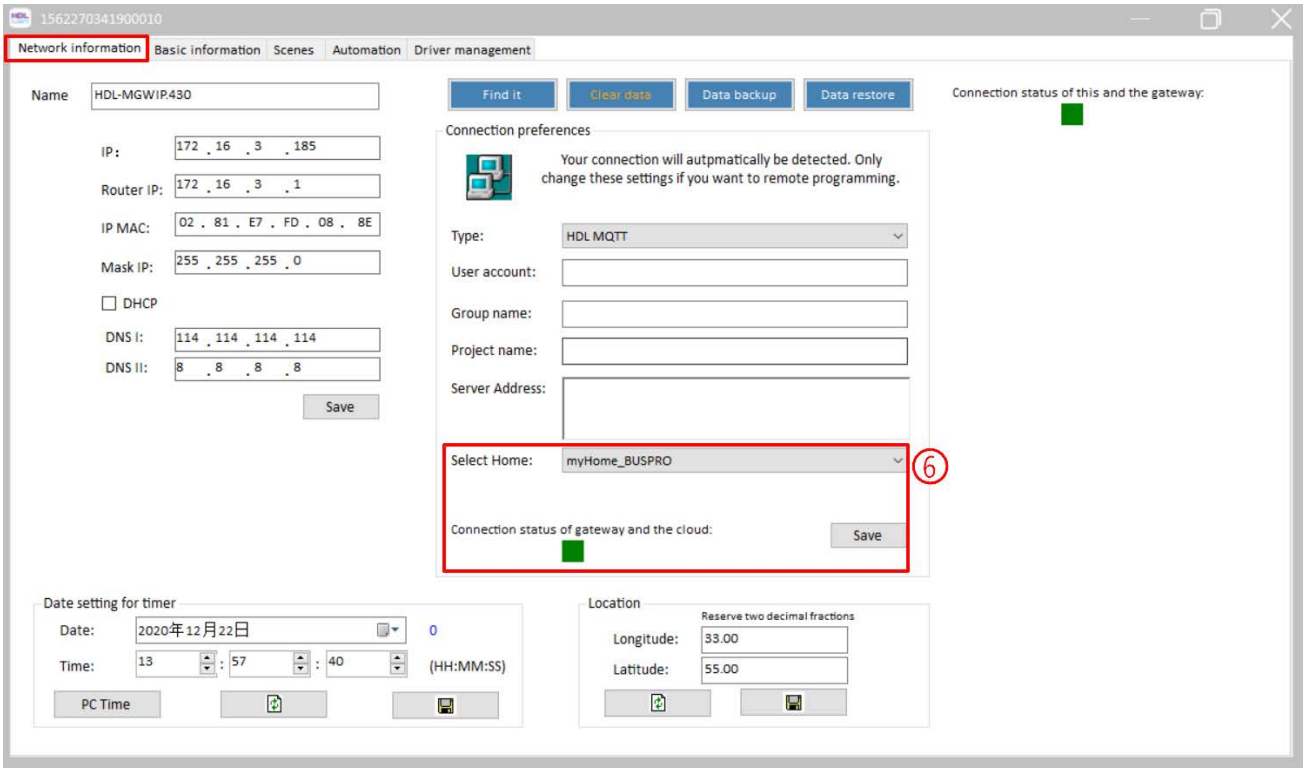


Figure 2-5 Remote Access Settings

3 Basic Setting

3.1 Area

Click “Basic Information” in configuration page to create the area, as shown in Figure 3-1. The detailed steps can be referred as the followings:

① Click “New Project” to create a new area, e.g., “Test”.

② Click the area you have created.

③ Click “Add Zone” to create sub-area, e.g., “5th Floor Office”.

Click “5th Floor Office” → “Add Zone” → Create sub-area like “R&D Office”.

④ Click “Upload area” to upload the configuration information to the gateway.

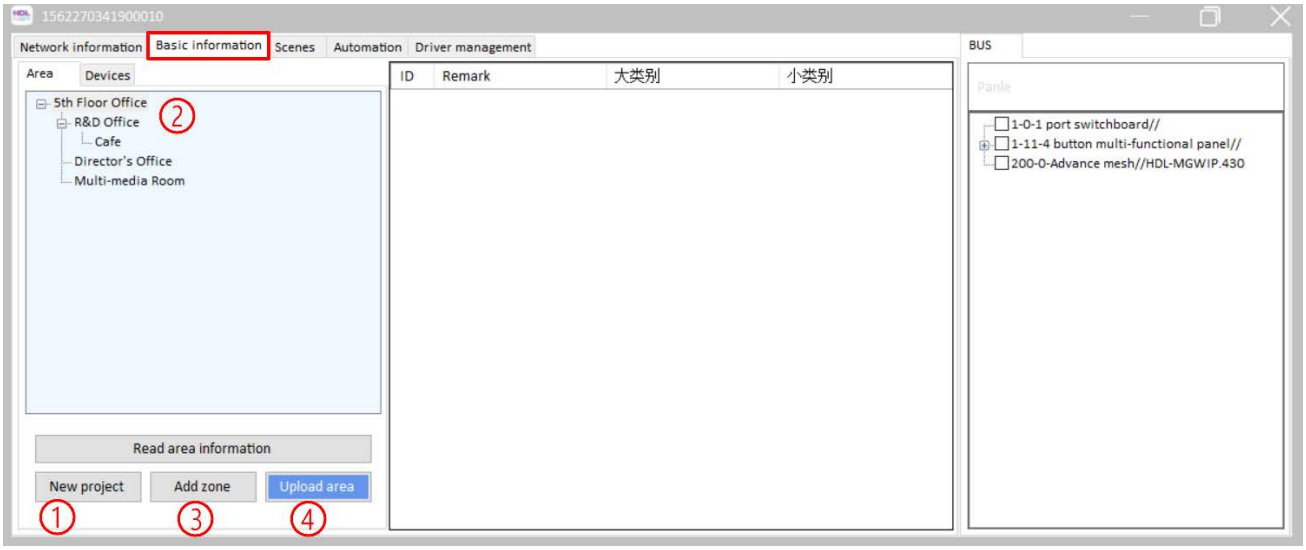


Figure 3-1 Area Setting

3.2 Devices

Click the tab “Devices” in the “Basic Information” page to add and test devices, as shown in Figure 3-2.

3.2.1 Add Devices

As shown in Figure 3-2, in the “Devices” configuration page, take the following steps as reference to upload the information for the devices to the gateway.

① Click the tab “Devices”.

② Select the devices as needed within the device list located on the right side of the page, right-click to “Add” the device.

③ Click “Upload devices and function list” to upload the information for the devices to the gateway.

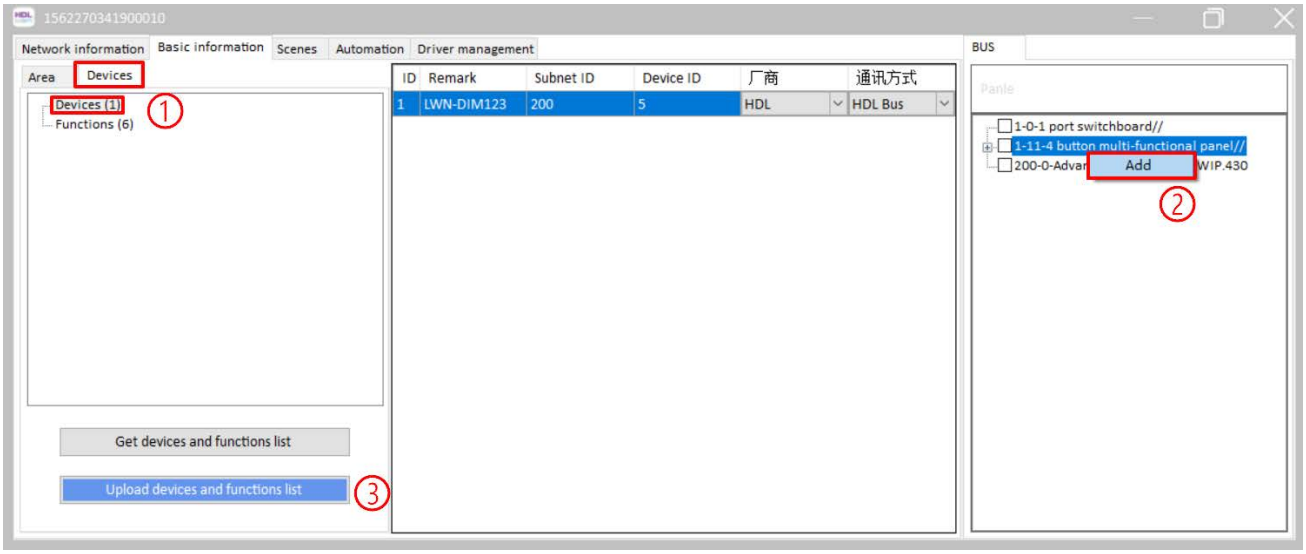


Figure 3-2 Upload information for the Devices

3.2.2 Test Devices

As shown in Figure 3-3, in the “Devices” configuration page, take the following steps as reference to test the devices.

① Click the tab “Functions”.

② Select the function as needed within the function list, e.g., 1CH of the multi-functional panel.

③ Set up the information as needed then click “Test” to proceed device testing.

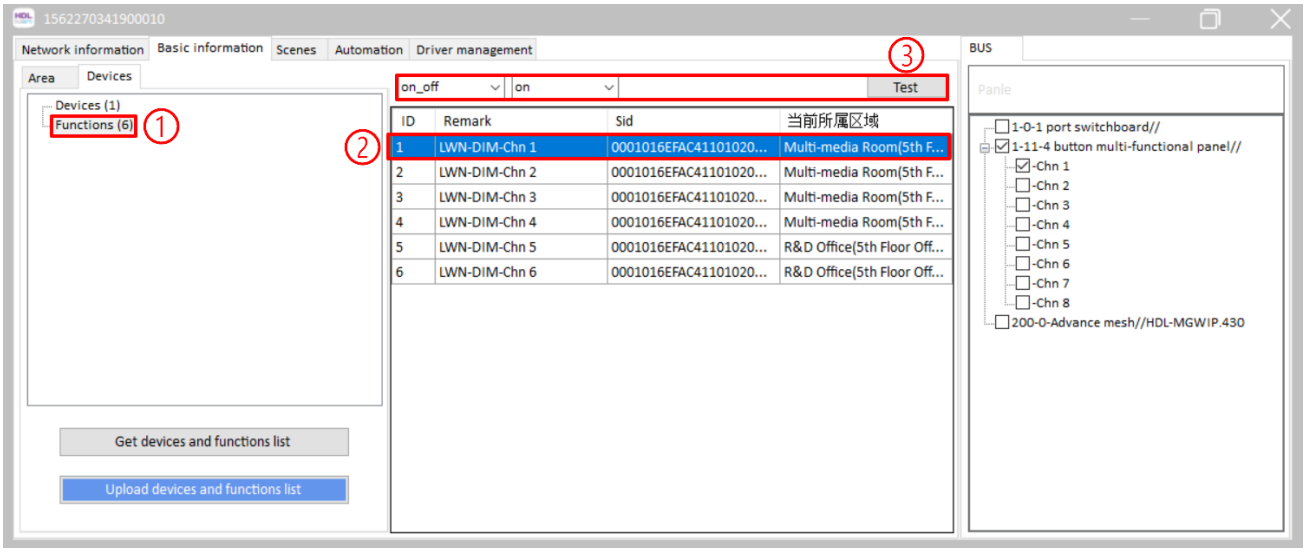


Figure 3-3 Test Devices

4 Scene Setting

4.1 Create Scene

As shown in Figure 4-1, click the tab “Scenes” to open the configuration page, take the following steps as reference to create scenes.

① Click “Add Scene” to create a scene.

② Set up basic information for the scene:

- Remark: Input the name for the scene, e.g., “Night” and “Auto”.
- Delay: Set the delay time for the scene, range from 0~3600 seconds.
- Group ID: If Scene 1 and 2 are set in the same group, they will be mutually exclusive, i.e., when Scene 1 has been triggered, once Scene 2 is executed, Scene 1 will automatically shut down.

③ Select the devices as needed within the device list located on the right side of the page, e.g., 1CH of the multi-functional panel.

④ Set up the information for the device.

⑤ Click “Sure” to complete the scene configuration setting.

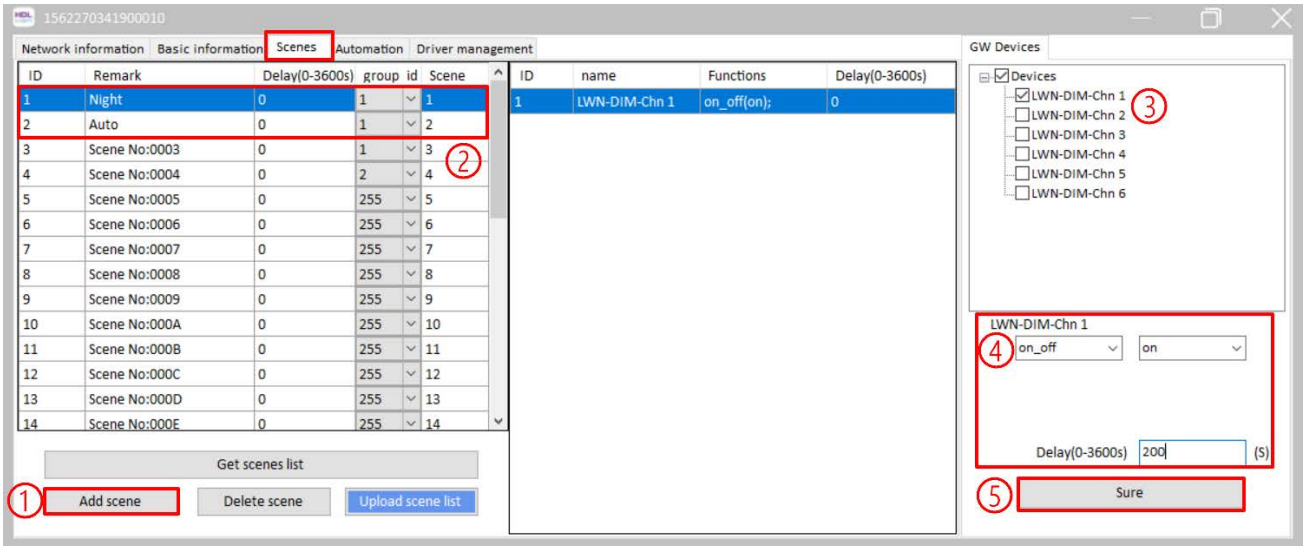


Figure 4-1 Scene Setting

4.2 Test Scene

As shown in Figure 4-2, select the scene as needed from the scene list, then right-click and choose “Test” to proceed scene testing.

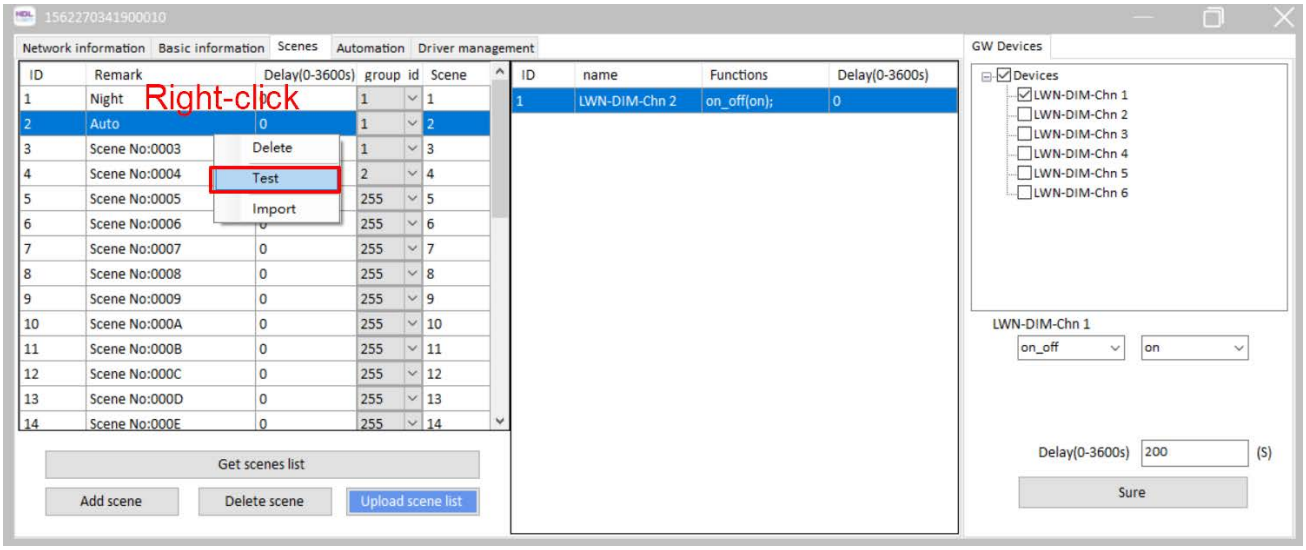


Figure 4-2 Scene Testing

5 Automation Setting

As shown in Figure 5-1, click the tab “Automation” to open the configuration page, take the following steps as reference to create scenes.

① Click “Add single automation”, then revise the name for the automation as required, e.g., “Night”.

② Select the automation relation:

- And: The output results are executed when all the input conditions are met.
- or：The output results are executed when one of the input conditions is met.

③ Set up the time and date.

④ Select the devices as needed within the device list located on the right side of the page, then set up the information for the device.

⑤ Click “Add new input” to create input condition.

⑥ Once again, select the devices as needed within the device list located on the right side of the page, then set up the information for the device. Click “Add new output” to create output condition.

⑦ Click “Upload automation list” to upload the settings to the gateway.

- “Get automation list”: Click this tab to download the settings from the gateway to Buspro software.
- Click the tab “Delete selected automation” to remove the settings.

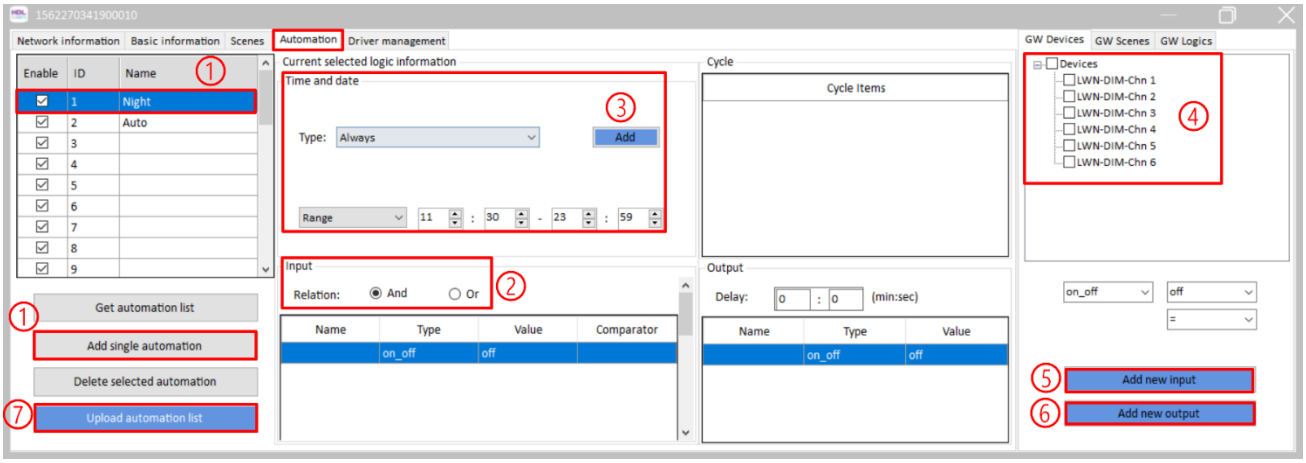


Figure 5-1 Automation Setting

6 Driver Management

As shown in Figure 6-1, click the tab “Driver Management” to open the configuration page, take the following steps as reference to create scenes.

① Driver name: HDL-LINK is the core driver. Buspro is the system software developed by HDL. Please DO NOT disable or uninstall them.

② Driver State: Green means that the driver runs normally; red means that the drivers fails to run because of software faults.

③ In the driver list, if needed, select one of the drivers then right click to choose “Driver Uninstall”.

Note: as described in first point, we recommend you do not uninstall HDL-LINK and buspro.

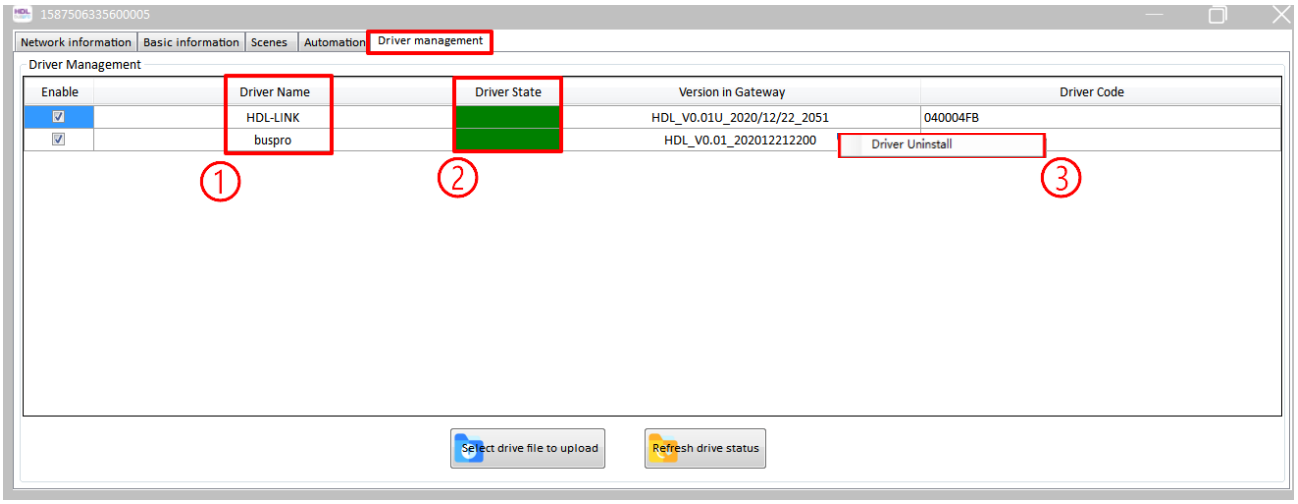


Figure 6-1 Driver Management

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