Contents

Important: *Read All Instructions Prior to Installation*

Important Safety Instructions:
- Read all instructions before installation.
- DO NOT install while power is applied to the device.
- DO NOT expose the device to moisture.

1. Product Description & Features

The DALI Master Control Panel serves as the central controller for a DALI system, managing DALI control gears along the DALI line. Its core functionalities include:

1. Automatic Address Management: Supports automatic assignment and management of addresses for up to 64 control gears.
2. Control Capabilities: Controls up to 64 control gears, each with an individual address.
3. Device Compatibility: Supports 5 DALI control gear types, including:
   - DT6: Standard dimming control gear
   - DT8 Tc: Tunable white control gear
   - DT8 XY Coordinate: XY color control gear
   - DT8 RGBWA: Multi-channel color control gear
   - DT7: Switching actuators
4. Scene Management: Allows the configuration of up to 16 DALI scenes for each control gear.
5. Group Assignment: Supports the assignment of each control gear to up to 16 DALI groups.
6. Timer Task Scheduling: Configure up to 256 timer tasks, each with the following options:
   - a. DALI Scene Recall: Apply to all control gears, a specific group, or an individual control gear.
   - b. Brightness/Color Fade Schedule: Start or stop brightness and color fade cycles for all control gears, a designated group, or specific control gear.
   - c. 24-Hour Bionic Schedule: Start or stop a bionic schedule for CCT control gears, applied to all CCT gears, a designated group, or individual CCT control gear.
7. Brightness/Color Fade Schedules: Configure up to 4 different brightness and color fade cycle schedules. The destination control gears can be:
   - A specific color type control gear,
   - All control gears of a designated color type,
   - Control gears of the designated color type in a group, or
   - A specific control gear with the designated color type.
8. Bionic Color Temperature Scheduling: Set up to 4 bionic color temperature schedules for CCT control gears. Each schedule curve allows brightness and color temperature configuration across a 24-hour period, from 00:00 to 23:00. The bionic control mimics natural light changes with brightness and color temperature fades.
9. Parameter Management: Manage a variety of operational parameters, including:
   - Beeper volume and tone,
   - Vibrator effects,
   - Backlight brightness,
   - Real-time clock (RTC),
   - Lock and off display settings,
   - Bus status, and more.
10. PC Configuration Tool: Includes a dedicated PC configuration software tool that allows full access to configure and monitor the DALI control panel and control gears, ensuring seamless system management.

Safety & Warnings
1. Ensure all instructions are followed before installation to avoid damage or injury.

1.2 ELECTRIC PARAMETERS

Output Signal	DALI signal
Power Supply	100-240VAC
Power consumption	< 15 mA
Operating temperature	0-40℃
Relative humidity	8% to 80%
Dimensions	86x86x41mm

2 OPERATIONS

2.1 KEY FUNCTION DEFINITION & DESCRIPTION

2.1.1 Layout of Panel Keys (EU Size)

2.1.2 Key Function Definition (EU Size)

OLED panel

On/Off key, turn on/off lighting, corresponding LED will indicate loads' on/off status

Minus key, to decrease a parameter value

Plus key, to increase a parameter value

Confirm key,enter into a child menu or confirm parameter modification setting

Back key, return to previous page

Down key, move the cursor down to select next parameter

Up key, move the cursor up to select previous parameter
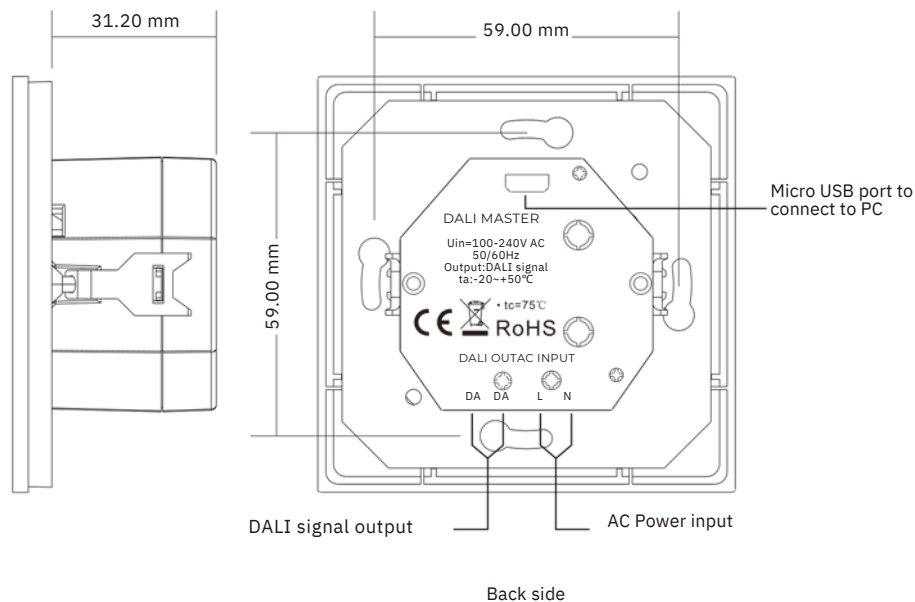
1 2 3 4
5 6 7 8

Scene Keys 1-8 Operation:
A. Scene Recall & LED Indication:
- Pressing scene keys 1-8 will recall the corresponding saved scene, and the corresponding LED will indicate the on/off status of the loads in the current control area.
B. Single and Double Press Operations:
- Short press scene keys 1-8 to recall DALI scenes 0-7 in the corresponding control area.
- Double press scene keys 1-8 to recall FDrAonLIt ssicdeenes 8-15 in the corresponding control area.
Note: For information on saving scenes, refer to Part 3.1.2 "Scene Saving" for detailed instructions on how to store scene parameters.

31.20 mm

59.00 mm

59.00 mm

DALI MASTER

Uin=100-240V AC 50/60Hz
Output:DALI signal
ta:-20~+50℃

CE RoHS

tc=75℃

DALI OUTAC INPUT
DA DA L N

Micro USB port to connect to PC

DALI signal output

AC Power input

Back side

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2.2 OPERATION INSTRUCTION

2.2.1 LOCK & UNLOCK THE PANEL

Unlock The Panel
Locking and Unlocking the Panel:
As illustrated in Figure 2, a lock icon is displayed in the top-right corner when the panel is locked.
Unlocking the Panel:
- To unlock the panel, press and hold both the Up and Down keys simultaneously for approximately 1 second.
- Once unlocked, the lock icon will disappear, and the display will return to the last active page before it was locked.

Figure 2

Automatic Lock Function:
- After the panel powers on or the keys are manually unlocked, the panel remains in an unlocked state.
- If the automatic lock feature is enabled, the panel will automatically lock after a designated period of inactivity (i.e., when no keys are operated).
- Once the lock time elapses, the panel will lock, displaying the lock icon.

Manually Locking the Panel:
- To manually lock the panel while it is in an unlocked state, press and hold both the Up and Down keys for approximately 1 second.
- The panel will then lock, and the lock icon will appear at the top-right corner of the display.
:

2.2.2 LIGHTING CONTROL

Choose Current Control Area (Addressing Object):

A. In the Current Control menu, when selecting all control gears, a group, or an individual control gear, the chosen selection (all control gears, group, or individual control gear) will be designated as the current control area.
B. In the Current Configuration menu, when configuring or viewing parameters for all control gears, a group, or an individual control gear, the selected configuration (all control gears, group, or individual control gear) will also be designated as the current control area.

On/Off Key:
When the panel is unlocked, a short press of the On/Off key will toggle the lighting devices in the current control area:
- If any lighting devices in the current control area are on, all devices will be turned off.
- If all lighting devices in the current control area are off, they will be turned on.
The corresponding LED indicator will reflect the on/off status of the connected load.

Scene Keys:
A short press on the scene keys will apply the saved scene settings to the lighting in the current control area, based on the configured scene parameters.
- There are 8 scene keys in total, which correspond to 16 DALI scenes.
- A short press on scene keys 1-8 will recall DALI scenes 0-7 in the corresponding control area. The corresponding LED will indicate the active scene status.
- A double press on scene keys 1-8 will recall DALI scenes 8-15 in the corresponding control area, and the corresponding LED will indicate the active scene status.

The OLED will always show corresponding indication information when operate scenes. Short press back key to quit the indication information page.

Scene Saving:
1. In the Control menu page, navigate to the section displaying detailed parameters of the control gears.
2. To save the current status of control gears in the current control area as DALI scenes:
   - Press and hold any of the scene keys 1-8 to save the current settings as DALI scenes 0-7.
   - Press and hold the back key and any of the scene keys 1-8 simultaneously to save the current settings as DALI scenes 8-15.

Cycle Schedule Operation:
Start Cycle Schedules:
1. If no Cycle schedule is currently active in the control area:
   - Short press both the confirm key and any of the scene keys 1-4 simultaneously. The master controller will start the corresponding cycle schedule types in the control area.
   - The corresponding Cycle schedule numbers are 1-4, based on the selected scene key.
2. A timer task can be configured to automatically start a specific Cycle schedule number under a designated cycle schedule type in a designated control area at a designated time.

Note: If fewer than two steps are enabled in a cycle schedule, after initiating the schedule, an indication will inform you that the fade effect of the cycle schedule will not be visible.
Note: The scene buttons 1-4 used in combination with other keys correspond to the Cycle Type numbers (e.g., XY, RGB, Tc) configured. These represent the start of the respective cycle schedules.

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corresponding Cycle Type in the current control area.

Stop Cycle Schedule Types:
Bionic Schedule Operation
Start Bionic Schedules:
Manual Start:
If no Bionic Schedule is currently running in the control area, short press both the confirm key and any of the scene keys 5-8 simultaneously. The master controller will start the corresponding Bionic Schedule, with the Bionic Schedule number being 1-4, based on the scene key pressed.
Automatic Start via Timer Task:
A timer task can be configured to automatically start a designated Bionic Schedule number under a specified Bionic Schedule type in a designated control area at a specified time.
Limitations:
In each control area, only 1 Bionic Schedule can be active at a time.
Note: An indication information page will appear whenever a Bionic Schedule starts or stops. Press the back key to exit the indication page.
Stop Bionic Schedules:
Manual Stop:
If a Bionic Schedule is currently running in a control area, short press both the confirm key and any of the scene keys 5-8 simultaneously to stop the corresponding Bionic Schedule (Bionic Schedule numbers 1-4).
Interaction with On/Off and Scene Keys:
If the On/Off key or scene keys are used to turn off the lights or recall a scene in a control area that includes or overlaps with the current Bionic Schedule, the corresponding Bionic Schedule for the same device and type will automatically stop.
Automatic Stop via Timer Task:
A timer task can be set to automatically stop a designated Bionic Schedule number under a specified Bionic Schedule type in a designated control area at a designated time.
Cycle Schedule Operation
Start Cycle Schedules:
Manual Start:
If no Cycle Schedule is currently running in the control area, short press both the confirm key and any of the scene keys 1-4 simultaneously. This will start the corresponding Cycle Schedule, with Cycle numbers 1-4 depending on the scene key pressed.
Automatic Start via Timer Task:
A timer task can be set to automatically start a designated Cycle Schedule number under a specified Cycle Schedule type in the control area at a specified time.
Note: If fewer than 2 steps are enabled in a Cycle Schedule, a notification will appear indicating that the fade effect will not be visible.
Stop Cycle Schedules:
Manual Stop:
If a Cycle Schedule is currently running, short press both the confirm key and any of the scene keys 1-4 simultaneously to stop the corresponding Cycle number in the control area.
Interaction with On/Off and Scene Keys:
If the On/Off key or scene keys are used to turn off the lights or recall a scene in a control area that includes or overlaps with the current Cycle Schedule, the corresponding Cycle Schedule for the same device and type will automatically stop.
Automatic Stop via Timer Task:
A timer task can be set to automatically stop a designated Cycle Schedule number under a specified Cycle Schedule type in the control area at a specified time.
Note: An indication information page will appear whenever a Cycle Schedule's running or stop status changes. Press the back key to exit the indication page.

3 FUNCTIONALITY INSTRUCTION

3.1 Control Page
3.1.1 Control Area

When you short press the Back key 3, the display shows three types of control areas: "All", "Group", and "Single".

A. Control Area Definitions:
1.All:
  ○ This control area includes all control gears connected on the DALI line.
2.Group xx:
  ○ This control area includes control gears within a specific DALI group on the DALI line.
  ○ You can select a DALI group by pressing the Plus or Minus key to choose a group number between 0-15.
  ○ For DALI group configuration details, refer to the section "Config Group" under the Config Menu.
3.Single:
  ○ This option allows control of an individual control gear in the system.
After selecting a control area, you can return to the Control Home Page as displayed in the figure.

Figure 3

B. Select Control Area Type
1.Selecting Control Area Type:
  ○ Short press the Up or Down key to cycle through the available control area types: "All", "Group", or "Single".
  ○ The selected control area type will be highlighted with a white background and black font.
2.Configuring Group or Single Control Areas:
  ○ If "Group" or "Single" is selected:
    ▪ Short press or hold the Plus key to select the Group number (0-15) or gear address (0-63) respectively.
    ▪ Short press or hold the Minus key to adjust the Group number or gear address.
3.Accessing Parameter Display Page:
  ○ Once the desired control area type is selected, short press the Confirm key to enter the parameter display page for the chosen control area. This page is shown in Figure 4 and Figure 5 under "Control Parameters Page".
  ○ On this page, you can adjust brightness and color parameters for the control gears in the selected control area.
Note: On the parameter display page, you can use scene keys and combination keys to save the current parameters of the control gears as corresponding scenes. Refer to the "Scene Saving" chapter for detailed instructions on this operation.

3.1.2 Control Parameters Setting
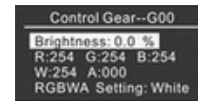1) Select Control Parameters and Their Definition

Figure 4

Enter Control Parameters select page, short press up key △ / down key ▽ to select

Control Parameter Selection
1.Selecting a Parameter:
  ○ On the parameter display page, the parameter with black font and white background is the currently selected one.
2.Definition of Control Parameters:
  ○ When the control area type is set to Group and includes control gears with various color types or device types (e.g., RGBWA, XY, Tc, Dim), the displayed parameters will vary depending on the control gear types in the group. As shown in Figure 4 and Figure 5, the control page for the Group control area type includes the following parameters:

Figure 5

    ▪ "G00": Represents the control area, which includes all control gears in Group 0.
    ▪ "Brightness": Allows you to adjust the brightness of the control gears within the selected control area.
    ▪ "R": Controls the Red color parameter value for RGBWA color type control gears.
Note: Different control areas may include different types of control gear, and thus, the parameters displayed may vary.

Control Parameter Definitions
When the control area type is set to Group and includes various control gear types, the available parameters and their functions are as follows:
• "G": Adjusts the Green color parameter for RGBWA color type control gears.
• "B": Adjusts the Blue color parameter for RGBWA color type control gears.
• "W": Adjusts the White color parameter for RGBWA color type control gears.
• "A": Adjusts the Amber color parameter for RGBWA color type control gears.
• "RGBWA Setting": Provides a shortcut for setting the color of RGBWA control gears. Available color options include Red, Orange, Yellow, Green, Cyan, Blue, Purple, and White.
• "X": Adjusts the X coordinate value for XY color type control gears.
• "Y": Adjusts the Y coordinate value for XY color type control gears.
• "XY Setting": Provides a shortcut for setting the color of XY color type control gears. Available color options include Red, Orange, Yellow, Green, Cyan, Blue, Purple, and White.
• "Tc": Adjusts the color temperature value for CCT (Correlated Color Temperature) control gears.

2) Modification of the Control Parameters' Value
3) Scene Saving
1.Entering the Control Parameters Page:
  ○ Access the "Control Parameters Page" as shown in Figure 4 and Figure 5.
2.Saving Scene Parameters:
  ○ After configuring the parameter values, use the following steps to save the current status of control gears in the control area:
    ▪ Press and hold scene keys 1-8 to save the current stat as DALI scenes 0-7.
    ▪ Press and hold any scene key 1-8 and the Back key simultaneously to save the current status as DALI scenes 8-15.
4) Indication for Non-Existent Groups or Control Gears
1.Group Control Area Type:
  ○ When switching to a different DALI Group number after selecting the Group control area type, if no control gears are assigned to the selected group (i.e., the group does not exist), an indication message will appear. For example, if DALI Group 15 does not exist, the indication message will be: "Control Gear-G15xx".
2.Single Control Gear Address Type:
  ○ When switching the Single control gear address number after selecting the Single control area type, if there is no control gear assigned to the specified address, the system will display a corresponding indication message.
5) Adjusting Parameter Values
1.Increment/Decrement Parameter Values:
  ○ Short press the Plus key to increment or the Minus key to decrement the parameter value of the selected parameter.
  ○ Press and hold the Plus or Minus key to continuously increase or decrease the parameter value.
2.Previewing Parameter Status:
  ○ The master controller will send the current status of the control gears to them for preview.
  ○ The current status can also be previewed by short pressing the Confirm key.

1.Group Control Area Type:
- When switching to a different DALI Group number after selecting the Group control area type, if no control gears are assigned to the selected group (i.e., the group does not exist), an indication message will appear. For example, if DALI Group 15 does not exist, the indication message will be: "Control Gear-G15xx".

4 CONTROL GEAR PARAMETER CONFIGURATION & SYSTEM CONFIGURATION

4.1 Enter & Quit Control Gear Parameter Configuration & System Configuration Page

Figure 6

Accessing and Exiting Control Gear Parameter and System Configuration Home Page
Accessing the Home Page:
When the panel is unlocked, press and hold both the Plus key and the Minus key simultaneously for approximately 1 second to enter the Control Gear Parameter and System Configuration Home Page.
As shown in Figure 6, this page includes two child menus: "Config" and "System".
Exiting the Home Page:
To exit the Control Gear Parameter and System Configuration Home Page, press and hold both the Plus key and the Minus key simultaneously for approximately 1 second.
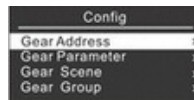
4.2 Control Gear Parameters Configuration
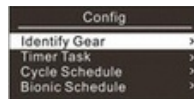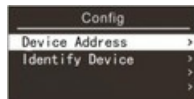
Figure 7

Figure 8

Figure 9

Navigating the Configuration Menu
1.Accessing the "Config" Menu:
- As shown in Figure 6, select the "Config" menu by short pressing the Up or Down key.
- Once selected, short press the Confirm key to enter the Control Gear Parameters Configuration Page.
2.Navigating the Configuration Pages:
- The first page of the control gear parameters configuration is shown in Figure 7.
- Use the Up or Down key to navigate through different functions on this page.
- The third page of the control gear parameters configuration is shown in Figure 9. There are a total of 8 functions available for configuration. The function currently selected will be displayed with black font on a white background.
3.Entering Function Configuration Pages:
- Short press the Confirm key to enter the configuration page for the selected function.

4.2.1 Address Configuration

1) Address Configuration Description
Address configuration is used to assign address to control gears on the DALI line, modify control gears' address and delete control gears' address.
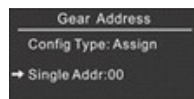
Figure 10

Figure 11

Figure 12

Figure 13

2) Enter Address Configuration Page
After enter control gear control parameters configuration page as shown in Figure 7 to Figure 9, select the function of "Gear Address" by short press up key △ or down key ▽, then short press confirm key ↵ to enter Address Configuration page as shown in following Figure 10 to Figure 13. There are 3 config types available: "Assign" "Delete" and "Modify". Move the cursor to "ConfigType", then short press plus key ＋ or minus key ━ to switch the 3 config types.

3) Assign Config Type: Assign Address
Switch to "Assign" config type, the first page of "Assign" config type is as shown in following Figure 9, short press up key △ or down key ▽ to select different operations, the second page of "Assign" config type is as shown in following Figure 11.
Assign Config Type Operations Description:
--"Search Gear" is to search all control gears on DALI line. When the cursor is moved to the operation item, short press confirm key ↵, the master controller will search devices, once searching completed, the number of discovered devices will be displayed."Single Addr" is to assign an address to all control gears on DALI line. When the cursor is moved to the operation item, short press confirm key ↵ to enter assigning address status and assigning address status page will pop up.
--"Extended" is to extend address assigning and re-assign address to devices whose address is 255 (FF) which means the control gears. When the cursor is moved to the operation item, short press confirm key ↵, the master controller will re-assign addresses randomly to devices whose address is 255 (FF).

Control Gear Address Operations
1.Re-Assign Address:
- The "Single Addr 00" function allows re-assignment of a control gear address. The "00" indicates the control gear already has an address that needs to be reassigned.
- To reassign an address:
  - Move the cursor to the operation item.
  - Short press the Plus or Minus key to select the desired address**.
  - Short press the Confirm key to initiate random re-assignment of the selected address to the control gear.
2.Delete Address:
- Switch the Config Type to "Delete" as shown in Figure 12.
- Use the Up or Down key to select one of the delete operations:
  - Single Addr 01: This will delete the address 01 (or the address selected) of a control gear.
    - Move the cursor to the desired address and short press the Plus or Minus key to select it.
    - Short press the Confirm key to delete the selected address.
  - All: Deletes all control gear addresses on the DALI line.
    - Move the cursor to the All option, then short press the Confirm key to delete all control gear addresses.
3.Modify Address:
- Switch the Config Type to "Modify" as shown in Figure 13.
- Use the Up or Down key to select a modification operation:
  - Single Addr 02 → 01: This allows modification of a control gear address.
    - The left side shows the address to modify (02), and the right side shows the new address (01).
    - Use the Plus or Minus key to select both the current and new addresses.
    - Short press the Confirm key to confirm the modification.
- Error Handling:
  - If an address is unassigned or the new address is already in use, an error message will appear.
  - Short press the Confirm key to quit the error message.
4.Exiting the Gear Address Page:
- Short press the Confirm key to quit the "Gear Address" page after completing operations.
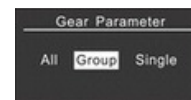
4.2.2 Gear Parameters Configuration

Figure 14

1)Enter Gear Parameter Configuration Page
Enter gear configuration home page as shown in above Figure 7 to Figure 9, short press up key △ or down key ▽ to select "Gear Parameter", then short press confirm key ↵ to enter gear parameter configuration page as shown in following Figure 14.
2)Select Control Area
After enter "Gear Parameter" page, there are 3 types of control area available for choosing: All/Group/Single, short press plus key ＋ or minus key ━, or short press up key △ or down key ▽ to select a type of control area you would like to configure, then short press confirm key ↵ to enter parameter configuration page of control gears in corresponding control area.
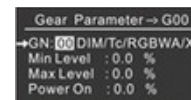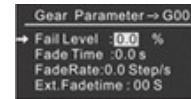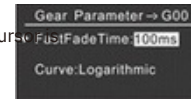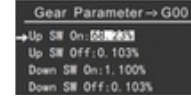3)Select Gear Parameter to Configure

Figure 15

Figure 16

Figure 17

Figure 18

Gear Parameter Descriptions (Based on Control Area Type "Group"):
Once you've entered the parameter configuration page and selected the control area type "Group" with different color types of control gears (e.g., DIM, Tc, RGBWA, XY, SW), here is the description of each parameter you can configure:
1.GN:00 (Group Number):
- Displays the Group number of the control area.
- Available setting range: 0-15.
- This parameter cannot be modified as it represents the group of control gears selected for configuration.
2.Device Types (DIM/Tc/RGBWA/XY/SW):
- DIM: Refers to dimmable control gears.
- Tc: Refers to color temperature control gears.
- RGBWA: Refers to control gears with red, green, blue, white, and amber light channels.
- XY: Refers to control gears with XY color coordinates.
- SW: Refers to switching actuators.
- These represent the device types in the selected control area and cannot be modified.
3.Min Level:
- Sets the minimum brightness percentage for the control area.
- Available setting range: 0-100%.
4.Max Level:
- Sets the maximum brightness percentage for the control area.
- Available setting range: 0-100%.
5.Power On:
- Specifies the brightness percentage that the control area will have when powered on.
- Available setting range: 0-100%.
You can select a parameter using the Up or Down keys. The selected parameter will appear with a black font and white background for adjustment.
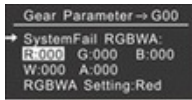
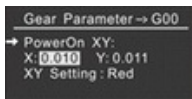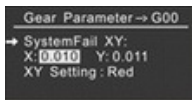**Additional Gear Parameter Descriptions:**
When configuring the control area type "Group" for various device types such as DIM, Tc, RGBWA, XY, SW, you can also set the following parameters:

- **Fail Level:**
  - Defines the brightness percentage the control area will switch to if bus communication fails.
  - Available setting range: 0-100%.
- **Fade Time:**
  - Specifies the time it takes for the control area to fade in or out when turned on or off.
  - Available setting range: 0.0-90.5 seconds.
- **Fade Rate:**
  - Controls the number of steps per second the brightness will change.
  - Available setting range: 0.0-358.0 steps per second.
- **Ext. Fade Time (Extended Fade Time):**
  - Additional fade time beyond the regular fade time, offering more gradual transitions.
  - Available setting range: 0-16 minutes (total of 65 selectable times).
- **Fast Fade Time:**
  - Defines a quick fade time for rapid transitions.
  - Available settings: Disable, 100ms, 200ms, 300ms, 400ms, 500ms, 600ms, 700ms.
  - Note: This parameter is only applicable to DIM device types.
- **Curve:**
  - Adjusts the dimming curve for brightness adjustments.
  - Available settings: Logarithmic, Linear.
  - Note: This is only applicable to DIM device types.
- **Up SW On:**
  - The brightness threshold to turn on the gear when increasing brightness.
  - Available setting range: 0.1-100%.
- **Up SW Off:**
  - The brightness threshold to turn off the gear when increasing brightness.
  - Available setting range: 0-100%.
- **Down SW On:**
  - The brightness threshold to turn on the gear when decreasing brightness.
  - Available setting range: 0.1-100%.
- **Down SW Off:**
  - The brightness threshold to turn off the gear when decreasing brightness.
  - Available setting range: 0.1-100%.
- **Tc Limits (for Tc control gears):**
  - Color temperature limits for the control area.
  - Tc Warmest:
    - Sets the warmest color temperature limit.
    - Available setting range: From the physical warmest to coolest temperature of the device.
  - Tc Coolest:
    - Sets the coolest color temperature limit.
    - Available setting range: From the physical warmest to coolest temperature of the device.
- These parameters allow precise control over brightness, fade behavior, and color temperature settings in the DALI control gears within the selected control area.

Figure 19

Figure 20

Figure 21

Figure 22

Figure 23

Figure 24

Here are further descriptions for the control parameters you mentioned:

1. Physical Warmest:
- Defines the warmest color temperature the control area can physically support.
- Available setting range: 1000K - 9999K.

2. Physical Coolest:
- Defines the coolest color temperature the control area can physically support.
- Available setting range: 1000K - 9999K.

3. Power On Tc:
- Specifies the color temperature the control area will have when powered on.
- Available setting range: Between Tc Warmest and Tc Coolest.

4. System Fail Tc:
- Defines the color temperature the control area will use if bus communication fails.
- Available setting range: Between Tc Warmest and Tc Coolest.

5. Power On RGBWA:
- Sets the RGBWA values (Red, Green, Blue, White, Amber) for the control area after it is powered on.
- Available setting range: 0-254 per channel, or MASK.
  - MASK means that the RGBWA values will retain the state they had before the power was turned off.

6. System Fail RGBWA:
- Defines the RGBWA values the control area will adopt if bus communication fails.
- Available setting range: 0-254 per channel, or MASK.
  - MASK means the RGBWA values will retain the state they had prior to the communication failure.

7. Power On XY:
- Sets the XY coordinates of the color (CIE color space) for the control area after it is powered on.
- Available setting range: 0.000 - 0.999 per axis.

8. System Fail XY:
- Defines the XY coordinates for the color of the control area if bus communication fails.
- Available setting range: 0.000 - 0.999 per axis.

9. FailureStatus:
- Used for the failure status check of a DIM device when the control area type is set as "Single".
- This parameter checks for short circuits or open circuits in the device for failure detection.

These parameters provide fine control over how the control gear behaves in various scenarios, including power on, system failure, and more nuanced settings like color temperature and RGBWA values, ensuring system resilience and adaptability.

Note: for XY device type, the value of X+Y shall be less than 1.

4) Gear Parameter Modification

Short press plus key ➕ or minus key ➖ to modify the parameter value of current selected parameter step by step. Press and hold plus key ➕ or minus key ➖ to modify the parameter value of current selected parameter continuously.

---

6) Quit Gear Parameter Page
- To exit the Gear Parameter page, short press the back key. This will return you to the previous menu without making any changes to the settings.

5) Gear Parameter Preview and Saving
- After modifying a parameter, short press the confirm key to save the modified value and preview how the parameter affects the control gear.
- When saving is successful, "OK" will be displayed in the blank area of the screen as an indicator.

Notes:
1. Each short press of the confirm key:
   - Only saves and previews the currently selected parameter.
   - This action will not affect other parameters in the Gear Parameter page.
2. If the same control gear belongs to multiple control areas, modifying its parameters in one control area will result in those parameters being overwritten by the most recent changes in a different control area.
   - This means that the last modified control area settings will erase and replace the previously set parameters for the same gear in another control area.

These steps ensure you can exit the configuration safely and save parameters in an organized manner, preventing unwanted changes to other parameters or control areas.

4.2.3 Gear Scene Configuration

3) Select Gear Scene Parameter
Enter Gear Scene Parameter Configuration Page:
- To configure gear scene parameters, short press the up key or down key to scroll through available parameters.
- The selected parameter will have black font with a white background.

1) Gear Scene Introduction:
- Gear Scene allows you to configure scene parameter values for a selected control area.
- Up to 16 scenes can be configured for different control gears in the control area.

Figure 25

2) Enter Gear Scene Page:
- From the gear configuration home page (shown in Figures 7 to 9), short press the up key or down key to navigate to the "Gear Scene" option.
- Short press the confirm key to enter the gear scene configuration page (as shown in Figure 25).

Figure 26

3) Select Gear Scene Control Area:
- Once you are on the gear scene configuration page, you will have three types of control areas to choose from: All, Group, or Single.
  - Short press the plus key or minus key to cycle through these options.
  - Alternatively, you can short press the up key or down key to navigate, and then press the confirm key to select the desired control area.
  - The options available are:
    - All: Applies to all control gears on the DALI line.
    - Group: Applies to a specific group of control gears (0-15).
    - Single: Applies to an individual control gear with a unique address (0-63).

Figure 27

After selecting the control area, you will enter the scene configuration page where you can configure parameters for different device types (e.g., DIM, Tc, RGBWA, XY) based on the selected area.
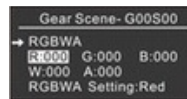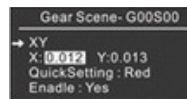
Figure 28

Gear Scene Parameters Description:
- **G:00 (Group Number):**
  - Represents the Group number of the control area.
  - The available setting range is 0-15.
  - The device types of all control gears (such as DIM, Tc, RGBWA, XY) are displayed but cannot be modified.
- **Scene Number:**
  - This is the number assigned to the scene you're configuring.
  - The available setting range is 0-15.
- **Scene Level:**
  - Defines the brightness percentage of the control area for the selected scene.
  - The available setting range is 0-100% or MASK.
    - MASK indicates that the brightness percentage will retain the previous value before the scene is recalled.
- **Tc:**
  - Controls the color temperature for the selected scene in the control area.
  - The available setting range is from Tc Warmest to Tc Coolest.
  - (Refer to chapter 4.2.2 for more details on DALI Parameter Configuration).
- **RGBWA:**
  - Controls the RGBWA color values for the control area under the selected scene.
  - The available setting range is 0-255.
  - RGBWA Setting is a shortcut for selecting colors, and available options include:
    - Red, Orange, Yellow, Green, Cyan, Blue, Purple, and White.
- **XY:**
  - Defines the XY coordinates for the control area in the selected scene.
  - The available setting range is 0.000 to 0.999.
  - Note: The sum of X+Y should be less than 1.
  - XY Setting: A shortcut to set XY colors, with available options:
    - Red, Orange, Yellow, Green, Cyan, Blue, Purple, and White.

By using these parameters, you can fine-tune the settings for each scene across different control areas, ensuring that brightness, color temperature, and RGBWA or XY values are adjusted as per your needs.

--"Enable" is activation and enable switch of current selected scene number, "YES" means enabled, "NO" means disabled.

- Gear Scene Parameters Modification:
  - Modify Parameter Value:
    - Use the Plus key to increase or the Minus key to decrease the value of the currently selected parameter.
      - Short press for step-by-step adjustment.
      - Press and hold to modify the value continuously for a smoother and quicker adjustment.
  - Real-Time Preview:
    - For brightness and color parameters, once the value is modified, the connected lamps or control gears will immediately reflect the changes in real time.
    - This allows for instant preview of the modified brightness and color values before finalizing the settings.
  - By pressing the plus or minus keys, you can fine-tune the parameters and see the results on the control gears in real-time, ensuring that the desired scene settings are achieved.
- 5) Gear Scene Parameter Preview and Saving

Short press confirm key ↵ , the lamps in the control area will turn on according to the modified parameters, and save current scene status as the selected scene number.

6) Quit Gear Scene Page

Short press back key ↰ to quit Gear Scene page and return to scene control area selecting page.

Important Note on Gear Scene Parameter Modification:

Same Control Gear & Scene Number Across Multiple Control Areas:

If you modify the parameters for the same control gear and scene number across different control areas, the last modified control area's parameters will overwrite the previously set parameters.

This means that the most recent changes made to a control gear in any control area will take precedence, and any previous settings for that scene will be lost. Make sure to carefully plan modifications to avoid unintended overwrites.
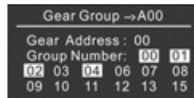
4.2.4 Gear Group Configuration

Figure 29

1) Enter Gear Group Configuration Page
Enter control gear configuration home page as shown in above Figure 7 to Figure 9, short press up key △ or down key ▽ to select "Gear Group", then short press confirm key ↵ to enter gear group configuration page as shown in following Figure 29.

2) Select Gear Group Parameter
Enter gear group parameter configuration page, short press up key △ or down key ▽ to select a parameter

- Gear Group Parameters
- Configuration Overview:
- Gear Address: Select the address of the control gear you want to configure. Available setting range is 0-63. Each control gear can be assigned to multiple groups.
- Group Number: Designate the group number to which you want to assign the selected control gear. Available setting range is 0-15.
- Configuration Details:
- Selected Group Number:
  - When the group number is highlighted with a white background and black font, the control gear at the selected address will be added to this group number.
  - When the group number is highlighted with a black background and white font, the control gear at the selected address will be removed from this group number.
- This configuration allows you to manage which control gears belong to which groups, facilitating organized control and adjustments within each group.

Gear Group Parameter Modification and Saving
1. Modify Gear Address Parameter Value:
- Step-by-Step Adjustment:
  - Short press the plus key to increase the address value step by step.
  - Short press the minus key to decrease the address value step by step.
- Continuous Adjustment:
  - Press and hold the plus key to increase the address value continuously.
  - Press and hold the minus key to decrease the address value continuously.
2. Modify Group Number Parameter Value:
- Select Group Number:
  - Short press the up key or down key to scroll through available group numbers (0-15).
- Add/Delete Control Gear:
  - Short press the plus key to assign the control gear to the selected group number.
  - Short press the minus key to remove the control gear from the selected group number.
  - The group number highlighted with a white background and black font indicates that the control gear will be assigned to this group.
  - The group number highlighted with a black background and white font indicates that the control gear will be removed from this group.
3. Save Gear Group Parameters:
- Confirm Changes:
  - Short press the confirm key to save the currently modified parameter value.
  - The display will briefly show "OK" in the blank area to indicate that the changes have been successfully saved.
4. Quit Gear Group Configuration Page:
- Exit Configuration:
  - Short press the back key to exit the Gear Group Configuration page.
These steps ensure that the control gear parameters are properly adjusted, saved, and that you can navigate through the configuration interface efficiently.

1) Identify Gear Introduction "Identify Gear" is the function to identify devices, which is convenient to find and identify control gears.

Figure 30

2) Enter Identify Gear Page
Enter control gear parameters configuration page as shown in above Figure 7 to Figure 9. Short press up key △ or down key ▽ to select "Identify Gear", then short press confirm key ↵ to enter "Identify Gear" page as shown in following Figure 30.

3) Select Identify Gear Parameter Item
There are 2 Identify Gear parameter items for configuration: "Not Short Address", "Single Addr:xx". Short press up key △ or down key ▽ to select a parameter item. The item with black font and white background is the selected the parameter item.

4)"Not Short Address" Operation
"Not Short Address" is to identify the control gears without short addresses. When the cursor is on the "Not Short Address" parameter, short press confirm key ↵ to identify the control gears without short addresses, the control gears without short addresses will flash.

5)"Single Addr:xx" Operation
"Single Addr:xx" is to identify a control gear with the selected short address.
A. When the cursor is on the parameter "Single Addr:xx", short press plus key + or minus key — to select the short address of the control gear you would like to identify, available setting range is 0-63.
B. When the cursor is on the parameter "Single Addr:xx", short press confirm key ↵ to identify the control gears with the selected short address xx, the control gears with this address will flash.

6) Quit Identify Gear
Short press back key ↰ to quit Identify Gear Configuration page.

4.2.6 Timer Task Configuration
1) Timer Task Introduction Timer Task is a timer task triggered at a designated time, there are total 256 timer tasks can be configured. After the date or week is confirmed, meanwhile current timer task is enabled, when the real time is the same as the designated time of the timer task, the lighting in the selected control area will turn on according to the parameters configured under current timer task. There are 2 types of timer task available: a. One-time timer task based on a designated date. b. Repeated timer task based on week frequency.

2) Enter Timer Task Configuration Page
Enter control gear parameters configuration page as shown in above Figure 7 and Figure 8. Short press up key △ or down key ▽ to select "Timer Task", then short press confirm key ↵ to enter "Timer Task" page.

3) Select Timer Task Parameter Item
Short press up key △ or down key ▽ to select a parameter item. The item which the arrow cursor points to is the selected the parameter item.

Figure 31

Figure 32

Timer Task Parameters Description:
A, timer task type: one-time timer task (date), as shown in flowing Figure 31 to Figure 33.
--"Timer Task" is the number of the timer task, total 256 timer tasks, available setting range is 0-255.
--"Address Type" is the control area type of the timer task. Available setting range is All/Group/Single.
--"Broadcast" is to broadcast to all control gears. This item is only valid when the control area type is configured as All. (AddressType=All)
-- "Group Number" is the group number to be controlle
 This item is only valid when the control area type is configured as "Group" (AddressType=Group), available setting range is 0-15.
-- "Address Number" is the add1r2ess number to be controlled. This item is only valid

Figure 33

Figure 34

Figure 35

Figure 36

when the control area type is configured as "Single" (AddressType=Single), available setting range is 0-63. --"Task Type" is the task type of the configured timer task, available setting range is Call Scene /Call Cycle/ Stop Cycle/Call Bionic/Stop Bionic, which means to recall a scene/start a Cycle schedule/ stop a Cycle schedule/ start a Bionic schedule/ stop a Bionic schedule. --"Cycle Type Number" is the Cycle type number of the called cycle schecule or stopped cycle schedule when the "Task Type" is set as Call Cycle/ Stop Cycle. --"Scene Number" is the Scene number that will be recalled when the Task Type is Scene. --"Bionic Type Number" is the Bionic type number of the called bionic schecule or stopped bionic schedule when the "Task Type" is set as Call Bionic/Stop Bionic. --"Enable" is the activation switch of current timer task, "YES" means enabled, "NO" means disabled. --"All Enable" is the activation switch of all timer tasks, "YES" means enabled, "NO" means disabled.
--"DTC" shows all control gears and color types in current control area.
--"Timer Type" is the timer type, there are two timer types available: "Date" and "Week"
--"Time" is the designated time of timer task. (hour:minute:second)
--"Date" is the date of the timer task when the timer type is "Date". (date-month-year)

B,timer task type: repeated timer task (week), as shown in flowing Figure 34 to Figure 36.

--"Timer Task" is the number of the timer task, total 256 timer tasks, available setting range is 0-255.
--"Address Type" is the control area type of the timer task. Available setting range is All/Group/Single.
--"Broadcast" is to broadcast to all control gears. This item is only valid when the control area type is configured as All. (AddressType=All)
-- "Group Number" is the group number to be controlled. This item is only valid when the control area type is configured as "Group" (AddressType=Group), available setting range is 0-15.
-- "Address Number" is the address number to be controlled. This item is only valid when the control area type is configured as "Single" (AddressType=Single), available setting range is 0-63.
--"Task Type" is the task type of the configured timer task, available setting range is Call Scene /Call Cycle/ Stop Cycle/Call Bionic/Stop Bionic, which means to recall a scene/start a Cycle schedule/ stop a Cycle schedule/ start a Bionic schedule/ stop a Bionic schedule.
--"Cycle Type Number" is the Cycle type number of the called cycle schecule or stopped cycle schedule when the "Task Type" is set as Call Cycle/ Stop Cycle.
--"Scene Number" is the Scene number that will be recalled when the Task Type is Scene.
--"Bionic Type Number" is the Bionic type number of the called bionic schecule or stopped bionic schedule when the "Task Type" is set as Call Bionic/Stop Bionic.
--"Enable" is the activation switch of current timer task, "YES" means enabled, "NO" means disabled.
--"All Enable" is the activation switch of all timer tasks, "YES" means enabled, "NO" means disabled.
--"DTC" shows all control gears and color types in current control area.
--"Timer Type" is the timer type, there are two timer types available: "Date" and "Week"
--"Time" is the designated time of timer task. (hour:minute:second)
--"Week" is the 7 days of week (Monday to Sunday) of the timer task when the timer type is "Week". The days in the week with white background and black font are the selected days to repeat the timer task.

4) Timer Task Parameter Value Modification
Short press plus key ✛ or minus key ━ to modify the parameter value of current selected parameter step by step. Press and hold plus key ✛ or minus key ━ to modify the parameter value of current selected parameter continuously.

5) Timer Task Parameter Saving
Short press confirm key ↵ to confirm and save currently modified parameter value. The blank area of the display will show "OK" to indicate successful saving.

6) Quit Timer Task Page
Short press back key ↰ to quit Timer Task page.

4.2.7 Cycle Schedule Configuration

1) Cycle Schedule Introduction Cycle Schedule is a task of brightness, color fade action, max. 4 cycle schedules can be set, and each cycle schedule can contain max. 48 steps which fade from 1st to the last, we can set brightness and color for each step. When corresponding cycle schedule is enabled, the lighting in the control area will turn on according to the configured Cycle Schedule parameters based on the Stay Time and Fade Time of the Cycle Schedule.

2) Enter Cycle Schedule Configuration Page
Enter control gear parameters configuration page as shown in above Figure 7 to Figure 9. Short press up key △ or down key ▽ to select "Cycle Schedule", then short press confirm key ↵ to enter "Cycle Schedule" page.
3) Select Cycle Schedule Parameter Item
Short press up key △ or down key ▽ to select a parameter item. The item which the arrow cursor points to is the selected the parameter item.
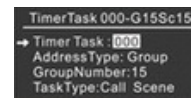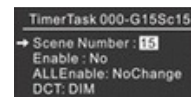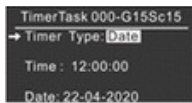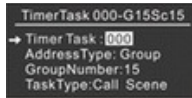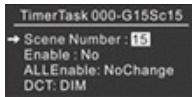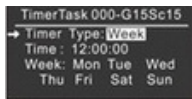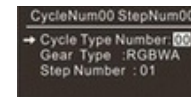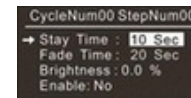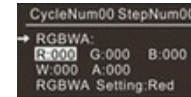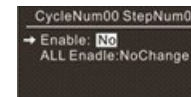

Figure 37

Figure 38

Figure 39

Figure 40

Cycle Schedule Parameters Description (as shown in Figure 37 - Figure 40)
--"Cycle Type Number" is the number of the Cycle type schedule, total 4 Cycle type schedules, available setting range is 0-3.
--"Device Group" is the control area type of the Cycle Schedule. Available setting range is 0-15/All, 0-15 means the selected DALI group number, all means broadcast to all control gears. Each Cycle Schedule can only select one control area.
--"Device Type" is the device and color type of the control gears that the Cycle Schedule controls, when there are multiple device types in the control area, max. 5 types are available for choosing: Dim/Tc/RGBWA/XY, each Cycle Schedule can only osef lpeacrta omneet deersv.i c(Te hteyp aev,a hilearbel ew pea srealmecett eRrG iBteWm ass a a and color types.)
--"Step Number" is the steps of the Cycle Schedule, total 48 Steps, available setting range is 0-47.
ɼa-"nSgtea yis T 1im0See"c i/s2 t0hSee sct/a3y0 tSimece / o1fM eianc/5h Mstine/p1 o0fM thine/ 1C5y
--"Fade Time" is the fade time from one step to next one of the Cycle Schedule, available setting range is 10Sec/20Sec /30Sec/1Min/5Min/10Min/15Min/20Min/30Min.
--"Brightness" is the brightness of the Cycle Schedule, available setting range is 0-100%.
--"RGBWA" is the value of RGBWA of the Cycle Schedule, available setting range is 0-254/MASK.

--"RGBWA Setting" is the shortcut to set RGBWA value of the Cycle Schedule, available setting range is Red, Orange, Yellow, Green, Cyan, Blue, Purple, White.
--"Enable" is the activation switch of the Cycle Schedule, "YES" means enabled, "NO" means disabled.
--"All Enable" is the activation switch of the Cycle Schedule, "YES" means enabled, "NO" means disabled.

Note: brightness is the common attribute of different device types, therefore when brightness is fading, in the control area of the Cycle Schedule, brightness of all device types will change together. Only color attribute is associated to different devices with different color types.

4) Cycle Schedule Parameter Value Modification
Short press plus key ✛ or minus key ━ to modify the parameter value of current selected parameter step by step. Press and hold plus key ✛ or minus key ━ to modify the parameter value of current selected parameter continuously.

5) Cycle Schedule Parameter Saving
Short press confirm key ↵ to confirm and save currently modified parameter value. The blank area of the display will show "OK" to indicate successful saving.

6)Quit Cycle Schedule Page
Short press back key ↰ to quit Cycle Schedule page.

4.2.8 Bionic Schedule Configuration

1) Bionic Schedule Introduction
Bionic Schedule is the bionic operation mode task of tunable white control gears, max. 4 bionic type schedules can be set, and each bionic schedule can contain 24 brightness & color temperature values for 24 hours from 0:00 to 23:00. When corresponding bionic schedule is started, the tunable white control gears in the control area will turn on and start bionic fading according to the configured brightness and color temperature values.

2) Enter Bionic Schedule Configuration Page
Enter control gear parameters configuration page as shown in above Figure 7 to Figure 9. Short press up key △ or down key ▽ to select "Bionic Schedule", then short press confirm key ↵ to enter "Bionic Schedule" page.

3) Select Bionic Schedule Parameter Item
Short press up key △ or down key ▽ to select a parameter item. The item which the arrow cursor points to is
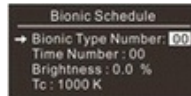

Figure 41

the selected the parameter item.
Bionic Schedule Parameters Description (as shown in Figure 41)
--"Bionic Type Number" is the number of the Bionic type schedule, total 4 Bionic type schedules, available setting range is 0-3.
--"Time Number" is the time spots of the Bionic type Schedule, total 24 time spots. Available setting range is 0-23.

--"Brightness" is the brightness value of the selected time spot of the Bionic type schedule.
available setting range is 0-100%/MASK.
--"Tc" is the color temperature value of the selected time spot of the Bionic type schedule.
available setting range is 1000K-9999K.

4) Bionic Schedule Parameter Value Modification
Short press plus key ＋ or minus key — to modify the parameter value of current selected parameter step by step. Press and hold plus key ＋ or minus key — to modify the parameter value of current selected parameter continuously.

5) Bionic Schedule Parameter Saving
Short press confirm key ↵ to confirm and save currently modified parameter value. The blank area of the display will show "OK" to indicate successful saving.

6)Quit Bionic Schedule Page
Short press back key ↩ to quit Bionic Schedule page.

4.2.9 Push Button Input Device Address Configuration

Figure 42 (Assign-Page 1)

1) Push Button Input Device Address Configuration Introduction
Push button input device address configuration is used to assign address, modify address, and delete address for the push button input devices connected to the bus.

2) Enter Push Button Input Device Address Configuration
Enter control gear parameters configuration page as shown in above Figure 7 to Figure 9. Short press up key △ or down key ▽ to select "Device Address", then short press confirm key ↵ to enter "Device Address" page as shown in following Figure 42 to Figure 45. There are 3 types of configuration: "Assign", "Delete", "Modify" available for Device Address configuration. When the arrow cursor moves to point to "Config Type", short press plus key ＋ or minus key — to select a configuration type.

Figure 43 (Assign-Page 2)

3) Assign Address
Select "Assign" configuration type, the first page of Assign configuration type is shown as in following Figure 42. Short press up key △ or down key ▽ to select an operation item, the second page of Assign configuration type is shown as in following Figure 43.
Operation items of "Assign" configuration type are as follows:
-- "Search Device" is to search all push button input devices connected to the bus,

Figure 44 (Delete)

Figure 45 (Modify)

twoh ent ethre arrow cursor moves to point to the item, short press confirm key ↵ searching push button input device status, after search completed, the total number of push button input device will be displayed at the right side of the item.
-- "All" is to assign addresses to all push button input devices connected to the bus, when the arrow cursor moves to point to the item, short press confirm key ↵ to enter assigning address status, and the status page of assigning address will pop up.
-- "Extended" is to extend address assigning and re-assign addresses to push button input devices whose addresses are 255 (255 means address not assigned), when the arrow cursor moves to point to the item, short press confirm key ↵, the master will start to re-assign addresses to push button input devices whose addresses are 255.
-- "Device Addr 00" is to re-assign address to a push button input device which has already been addressed, 00 means the device which has already been assigned with address 00 and needs to be re-assigned. When the arrow cursor moves to point to the item, short press plus key ＋ or minus key — to select a device address which needs to be re-assigned. Short press confirm key ↵, the master will start to re-assign address to the device which has been assigned with the selected address.

4) Delete Address
Select "Delete" configuration type shown as in following Figure 44. Short press up key △ or down key ▽ to select an operation item.
Operation items of "Delete" configuration type are as follows:
-- "Device Addr 01" is to delete a push button input device which has already been addressed, 01 means the device which has already been assigned with address 01 and needs to be deleted. When the arrow cursor moves to point to the item, short press plus key ＋ or minus key — to select a device address XX which needs to be deleted. Short press confirm key ↵, the master will start to delete the device with the Tc selected address XX.
-- "All" is to delete all addresses of the push button input devices connected to the bus, when the arrow cursor moves to point to the item, short press confirm key ↵, the master will delete all addresses of the push button input devices connected to the bus.

5) Modify Address
Select "Modify" configuration type shown as in following Figure 45. Short press up key △ or down key ▽ to select an operation item.

Operation items of "Delete" configuration type are as follows: -- "Device Addr" is to modify address of a push button input device which has already been addressed with a new specific address as shown in following Figure 45, The address on the left side is the old address 02, and the address on the right side is the modified new address 01. When the arrow cursor moves to point to address number, short press plus key ＋ or minus key — to increase or decrease the address number. Short press confirm key ↵ to confirm current address modification.
When modifying address, if the old address has not been assigned to device yet, or if the new address has already been assigned to a device, error indication information will pop up under both situations. Short press confirm key ↵ to quit error indication information page.

6) Quit Push Button Input Device Address Configuration
Short press back key ↩ to quit push button input device address configuration.

Note:
(1) The new EEPROM does not configure control logic, before the first use, please execute a factory reset operation.
(2) When there are newly addressed control gears or input devices on the bus, or the control gears or input devices addresses are modified, please execute control gear searching operation or input device searching operation on the Touch panel master or gateway end so that the master can acquire corresponding correct parameter information of the control gears and input devices and control the functions correctly. If operate on the PC software, then corresponding control gear or input device shall be selected and "Read Device" shall be executed on the PC software.
Once all above operations are executed, all type 301 push button input devices will be able to broadcast to control on/off of the control gears. Then the needed control functions can be configured as per different demands.

Figure 46

1) Identify Device Introduction
Identify device is used to identify push button input devices, which enables the user to find and identify push button input devices conveniently.

2) Enter Identify Device Page
Enter control gear parameters configuration page as shown in above Figure 7 to

4.3 System Parameter Setting
4.3.1 Entering and Exiting System Parameter Setting Page
1.Entering System Parameter Setting Page:
- o Short press the Up or Down key to select "System".
- o Press the Confirm key to enter the System Parameter Setting page.
2.Exiting System Parameter Setting Page:
- o Short press the Back key to return to the previous page.
4.3.2 Identify Device Operation
1.Enter Identify Device Page:
- o Short press the Up or Down key to select "Identify Device".
- o Press the Confirm key to access the Identify Device page (refer to Figure 46).
2.Select Identify Device Parameter Items:
- o Two options are available: "Not Short Address" and "Single Addr: xx".
- o Use the Up or Down key to choose a parameter item. The selected item will display with a black font on a white background.
3."Single Addr: xx" Operation:
- o This operation identifies a push button input device assigned a specific short address (xx).
- o Select "Single Addr: xx" by pressing the Up or Down key, then press the Confirm key.
- o Enter the desired device address (00-63) using the Plus or Minus key.
- o Press Confirm to start identification; the LED on the device with the selected address will blink.
4."Not Short Address" Operation:
- o This operation identifies push button input devices that do not have a short address.
- o Select "Not Short Address" by pressing the Up or Down key, then press Confirm.
- o The LED indicators on devices without short addresses will blink.
4.3.3 Additional Notes
- Ensure you select the correct parameter item before pressing Confirm.
- For "Single Addr: xx" operations, the address range is 00-63.
- The blinking LED helps visually identify the device during the operation.

4.3.2 DALI Master ID Setting
1) DALI Master ID Setting Introduction
DALI Master ID is the communication ID of the DALI Master controller system, available setting range is 0-255.
Note: 0 and 255 are defined as broadcast addresses, if there are more than 1 DALI Master controllers under the same communication port, please do not set the ID as these two specified ID numbers.
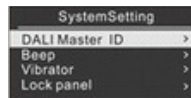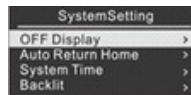
Figure 47

2) Enter into DALI Master ID Setting Page
On the system parameter setting page (as shown in Figure 47 to Figure 50), short press up key △ or down key ▽ to select "DALI Master ID", then short press confirm key ↵ to enter DALI Master ID Setting Page, as shown in following Figure 51.

Figure 48

3) DALI Master ID Parameter Value Modification
Short press plus key ✛ or minus key ━ to modify the parameter value of DALI Master ID step by step. Press and hold plus key ✛ or minus key ━ to modify the parameter value of DALI Master ID continuously.

4) DALI Master ID Parameter Saving
Short press confirm key ↵ to confirm and save currently modified parameter value. The blank area of the display will show "OK" to indicate successful saving.
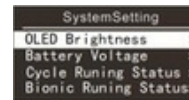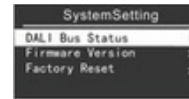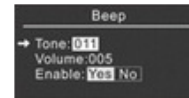
Figure 49

Figure 50

Figure 51

Figure 52

4.3.3 Beep Attribute Setting
1.Introduction to Beep Attribute Setting:
The Beep Attribute Setting configures the beeper's parameters. When enabled, the beeper emits a sound upon key press to confirm the action.
2.Entering Beep Setting Page:
- o Navigate to the System parameter setting page (refer to Figures 47 to 50).
- o Use the Up or Down key to select "Beep".
- o Press the Confirm key to enter the Beep Setting page (see Figure 52).
3.Beep Parameter Items:
- o Tone: Adjust the beeper's tone with a range of 1-100.
- o Volume: Set the beeper's sound volume within the range of 1-100.
- o Enable: Toggle the beeper function on or off. "YES" enables the beeper, while "NO" disables it.
4.Exiting Beep Setting Page:
- o Short press the Back key to return to the previous page.

3) Select Beep Setting Parameter Items
Short press Up key △ /Down key ▽ to select a parameter item, the parameter that the left side cursor points to is current selected item.

4) Beep Setting Parameter Modification
Short press Plus key ✛ /Minus key ━ to modify the selected parameter item value step by step. Press and hold Plus key ✛ /Minus key ━ to increase/decrease parameter value rapidly.

5) Beep Setting Parameter Saving
Short press Confirm key ↵ to confirm and save current modified parameter. The blank area of the display will show "Save OK" to indicate saving successfully.

6) Quit Beep Setting Page
Short press Back key ↩ to return to system parameter setting page.

4.3.4 Vibrator Setting
1) Vibrator Setting Introduction
Vibrator setting is to set the vibrator parameters. When the vibrator is enabled, and a key is pressed, the vibrator will vibrate once to indicate a key is pressed.
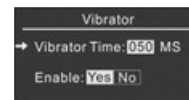
Figure 53

2) Enter into Vibrator Setting Page
Enter into System parameter setting page as shown in Figure 47 to Figure 50, short press Up key △ /Down key ▽ to select "Vibrator", short press Confirm key ↵ to enter into Vibrator Setting page as shown in following Figure 53.
Vibrator Parameter Items Introduction:
-- Vibrator Time is to modify the vibrating time (unit is milli second) of the vibrator, modification range is 0-500.
-- Enable is to enable or disable the vibrator, "YES" means vibrator function enabled, "NO" means the function disabled.

3) Select Vibrator Parameter Items
Short press Up key △ /Down key ▽ to select a parameter item, the parameter that the left side cursor points to is current selected item.

4) Vibrator Parameter Modification
Short press Plus key ✛ /Minus key ━ to modify the selected parameter item step by step. Press and hold Plus key ✛ /Minus key ━ to increase/decrease parameter value rapidly.

5) Vibrator Parameter Saving
Short press Confirm key ↵ to confirm and save current modified parameter. The blank area of the display will

4.3.5 Lock Panel Setting

1. Introduction to Lock Panel Setting: The Lock Panel feature allows for the configuration of the touch panel's locking parameters. When enabled, the touch panel will automatically lock after a specified period of inactivity. During the lock period, all touch panel functions will be disabled until it is unlocked.

2. Configure Lock Panel Setting:
   - Access the Lock Panel Setting page to configure the locking parameters according to your needs.

3. Save Lock Panel Settings:
   - Press the Confirm key to save the modified settings. A "Save OK" message will appear to confirm successful saving.

4. Exit Lock Panel Setting Page:
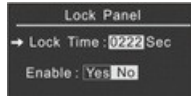   - Press the Back key to return to the System Parameter Setting page.

Figure 54

2) Enter into Lock Panel Setting Page
Enter into System parameter setting page as shown in Figure 47 to Figure 50, short press Up key △ /Down key ▽ to select "Lock Panel", short press Confirm key ↵ to enter into Lock Panel Setting page as shown in following Figure 54.
Lock Panel Parameter Items Introduction:
-- Lock time is to modify the time to lock the panel, modification range is 0-3600S (Seconds).
-- Enable is to enable or disable Lock Panel function, "YES" means the function enabled, "NO" means the function disabled.

4.3.6 OFF Display Setting

1. Introduction to OFF Display Setting: The OFF Display feature configures the parameters for the display turning off automatically. When this function is enabled, the display will turn off after a specified period of inactivity.

2. Select OFF Display Parameter Items:
   - Use the Up or Down key to navigate through parameter items. The parameter highlighted by the left-side cursor is the currently selected item.

3. Modify OFF Display Parameters:
   - Press the Plus or Minus key to adjust the selected parameter incrementally. Hold the Plus or Minus key to change the parameter value rapidly.

4. Save OFF Display Settings:
   - Press the Confirm key to save the modifications. A "Save OK" message will appear to confirm that the settings have been saved successfully.

5. Quit OFF Display Setting Page:
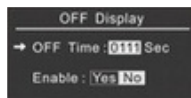   - Press the Back key to return to the System Parameter Setting page.

Figure 55

2) Enter into OFF Display Setting Page
Enter into System parameter setting page as shown in Figure 47 to Figure 50, short press Up key △ /Down key ▽ to select "OFF Display", short press Confirm key ↵ to enter into OFF Display Setting page as shown in following Figure 55.

OFF Display Parameter Items Introduction:
-- OFF Time is to modify the time that the display goes off, modification range is 0-3600S (Seconds).
-- Enable is to enable or disable the OFF Display function, "YES" means OFF Display function enabled, "NO" means the function disabled.

3) Select OFF Display Setting Parameter
Short press Up key △ /Down key ▽ to select a parameter item, the parameter that the left side cursor points to is current selected item.

4) OFF Display Setting Parameter Modification
Short press Plus key ＋ /Minus key ― to modify the selected parameter item step by step. Press and hold Plus key ＋ /Minus key ― to increase/decrease parameter value rapidly.

5) OFF Display Setting Parameter Saving
Short press Confirm key ↵ to confirm and save current modified parameter. The blank area of the display will show "Save OK" to indicate saving successfully.

6) Quit OFF Display Setting Parameter
Short press Back key ↩ to return to system parameter setting page.

4.3.7 Auto Return Home Setting

1) Auto Return Home Setting Introduction
Auto Return Home setting is to set the time that the Master controller automatically returns to home page.
A. When the panel is unlocked, and Auto Return Home function is enabled, before the set Auto Return Home time elapses, if there is no operation on the panel, the panel will return to home page automatically.
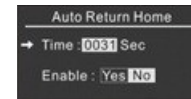B. When Auto Return Home function is disabled, the panel will always display the selected page information.

Figure 56

4.3.8 System Time Setting
1. Introduction to System Time Setting: This feature allows you to configure the system's real-time parameters.

4.3.5 Auto Return Home Setting
1. Introduction to Auto Return Home Setting: The Auto Return Home function controls the display's automatic return to the home page after a specified period of inactivity.
2. Enter Auto Return Home Setting Page:
   - Navigate to the System Parameter Setting page (as shown in Figure 47 to Figure 50).
   - Use the Up or Down key to select "Auto Return Home".
   - Press the Confirm key to enter the Auto Return Home Setting page (as shown in Figure 56).
3. Select Auto Return Home Setting Parameters:
   - Use the Up or Down key to select the parameter item. The parameter highlighted by the left-side cursor is the currently selected item.
4. Modify Auto Return Home Parameters:
   - Press the Plus or Minus key to adjust the selected parameter incrementally.
   - Hold the Plus or Minus key to rapidly increase or decrease the parameter value.
5. Save Auto Return Home Parameters:
   - Press the Confirm key to save the current modifications. A "Save OK" message will display to confirm successful saving.
6. Quit Auto Return Home Setting Page:
   - Press the Back key to return to the System Parameter Setting page.

Auto Return Home Parameter Items:
- Time: Specifies the duration before the display returns to the home page, adjustable from 20 to 3600 seconds.
- Enable: Toggles the Auto Return Home function on or off. "YES" enables the function, while "NO" disables it.

Figure 57

Figure 58

Figure 59

4.3.8 System Time Setting
1. Introduction to System Time Setting: This feature allows you to set the real-time parameters for the system.
2. Enter System Time Setting Page:
   - Navigate to the System Parameter Setting page (refer to Figures 47 to 50).
   - Press the Up or Down key to select "System Time".
   - Press the Confirm key to enter the System Time Setting page (as shown in Figures 57 to 59).
3. Select System Time Parameter Items:
   - Use the Up or Down key to choose a parameter item. The currently selected item will be underlined. Note: The selected week parameter corresponds to one day of the seven days in a week.
4. System Time Setting Parameter Items:
   - System Time: The first line of the menu displays the current real time.
   - Date and Time Parameters: The scrollable menu includes items 01 to 07, corresponding to year, month, date, week, hour, minute, and second.
5. Modification and Saving:
   - Modify the selected parameter using the Up or Down key.
   - Press the Plus or Minus key for incremental adjustments, or hold them for rapid changes.
   - Press the Confirm key to save changes. A "Save OK" message will indicate successful saving.

4) System Time Parameter Modification
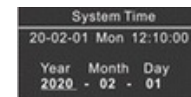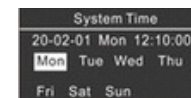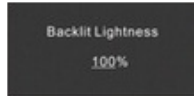Short press Plus key ＋ /Minus key ― to modify the selected parameter item step by

step. Press and hold Plus key ➕ /Minus key ➖ to increase/decrease parameter value rapidly.

5) System Time Parameter Saving

Short press Confirm key ↵ to confirm and save current modified parameter. The blank area of the display will show "Save OK" to indicate saving successfully.

6) Quit System Time Setting Parameter

Short press Back key ↩ to return to system parameter setting page.

4.3.9 Backlit Setting

1) Backlit Setting Introduction

Backlit is to set the parameter of the LED backlit brightness of the touch panel, modification range is 0%-100%.

Figure 60

2) Enter into Backlit Setting Page

Enter into System parameter setting page as shown in Figure 47 to Figure 50, short press Up key △ /Down key ▽ to select "Backlit", short press Confirm key ↵ to enter into Backlit Setting page as shown in following Figure 60.

3) Backlit Parameter Modification

Short press Plus key ➕ /Minus key ➖ to modify the LED brightness step by step. Press and hold Plus key ➕ /Minus key ➖ to increase/decrease brightness value rapidly.

4) Backlit Parameter Saving

Short press Confirm key ↵ to confirm and save current modified parameter. The blank area of the display will show "Save OK" to indicate saving successfully.

5) Quit Backlit Parameter Setting

Short press Back key ↩ to return to system parameter setting page.

4.3.10 OLED Brightness Setting

1) OLED Brightness Setting Introduction

OLED brightness is to set the brightness of the OLED on the touch panel, modification range is 5%-100%.
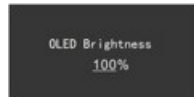
Figure 61

2) Enter OLED Brightness Setting Page

Enter into System parameter setting page as shown in Figure 47 to Figure 50, short press Up key △ /Down key ▽ to select "OLED Brightness", short press Confirm key ↵ to enter into OLED brightness Setting page as shown in following Figure 61.

3) OLED Brightness Parameter Modification

Short press Plus key ➕ /Minus key ➖ to modify the OLED brightness step by step. Press and hold Plus key ➕ /Minus key ➖ to increase/decrease brightness value rapidly.

4) OLED Brightness Parameter Saving

Short press Confirm key ↵ to confirm and save current modified parameter. The blank area of the display will show "Save OK" to indicate saving successfully.

5) Quit OLED Brightness Parameter Setting

Short press Back key ↩ to quit OLED brightness parameter setting page.

Note: OLED brightness setting is only applicable to some specific models.
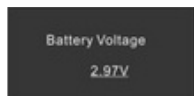
4.3.11 Battery Voltage Status

Figure 62

1) Battery Voltage Status Introduction

Battery Voltage is the voltage status of the Master controller's RTC battery. Enter into Battery Voltage page, the panel will display the voltage of the RTC battery as shown in following Figure 62. This function only displays the voltage status and the parameter can not be modified.

2) Enter into Battery Voltage Status Page

Enter into System parameter setting page as shown in Figure 47 to Figure 50, short press Up key △ /Down key ▽ to select "Battery Voltage", short press Confirm key ↵ to enter into Battaery Voltage status page as shown in following Figure 62.

Note: When the battery voltage is lower than 2.4V, please replace the battery, otherwise the RTC function of the Master controller will not work well.

3) Quit Battery Voltage Status Page

Short press Back key ↩ to return to system parameter setting page.
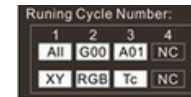
4.3.12 Cycle Runing Status

Figure 63

1) Cycle Runing Status Introduction

Cycle Runing Status displays the running status of all Cycle Schedules as shown in following Figure 63. The Cycle number with white background and black font is a running Cycle Schedule, the Cycle number with black background and white font is a Cycle Schedule which stops running. R means the Cycle Schedule staus changes from stop to running, S means the Cycle Schedule staus changes from running to stop. Cycle Running Status only displays the status, and the parameter can not be modified.

4.3.13 Bionic Running Status

1.Introduction to Bionic Running Status: The Bionic Running Status page displays the operational state of all Bionic schedules. Schedules with a white background and black font are active, while those with a black background and white font are inactive. The page shows control areas (e.g., All/G01/A01) and color temperature numbers (e.g., Tc1/Tc2/Tc3). This page is for viewing only; parameters cannot be modified.

2.Access the Cycle Running Status Page:
- Navigate to the System Parameter Setting page (Figures 47-50).
- Use the Up or Down key to select "Cycle Running Status."
- Press the Confirm key to enter the Cycle Running Status page (Figure 63).

3.Exit Cycle Running Status Page:
- Press the Back key to return to the System Parameter Setting page.

Notes:
- If the display shows "En<2" in areas 1, 2, 3, 4, it indicates that the total enabled steps for the configured cycle type are less than 2, meaning the cycle schedule cannot run.
- If the display shows "Gxx,Axx" for areas G00 or A01, it indicates that no control gears are assigned to the corresponding group or that the control gear with the specified address does not exist.
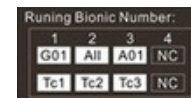
Figure 64

24.3.14 DALI Bus Status

1.Introduction to DALI Bus Status: The DALI Bus Status page shows the communication status of the DALI bus. "BUS OK" indicates that the DALI bus communication is functioning correctly, while "BUS ERROR" signifies a communication issue. This page is for viewing only; parameters cannot be modified.

2.Access the DALI Bus Status Page:
- Navigate to the System Parameter Setting page (Figures 47-50).
- Use the Up or Down key to select "DALI Bus Status."
- Press the Confirm key to enter the DALI Bus Status page (Figure 65).

4.3.13 Bionic Running Status

1.Introduction to Bionic Running Status: The Bionic Running Status page displays the status of all Bionic schedules. Active schedules are shown with a white background and black font, while inactive schedules are displayed with a black background and white font. The page details control areas (e.g., All/G01/A01) and color temperature numbers (e.g., Tc1/Tc2/Tc3). This page is for viewing only; parameters cannot be modified.

4.3.14 DALI Bus Status

Figure 65

2.Access the Bionic Running Status Page:
- Navigate to the System Parameter Setting page (Figures 47-50).
- Use the Up or Down key to select "Bionic Running Status."
- Press the Confirm key to enter the Bionic Running Status page (Figure 64).

3.Exit the Bionic Running Status Page:
- Press the Back key to return to the System Parameter Setting page.

Note:
- If the display shows "Gxx?Axx" for areas G01 or A01, it indicates that no control gears are assigned to the specified group, or the control gear with the given address does not exist.

Note: When DALI Bus communication does not work well, the LED indicator of the ON/OFF key on the panel will flash, until the communication recovers and work well, the indicator will stop flashing.

3) Quit DALI Bus Status Page

Short press Back key ↰ to return to system parameter setting page.

4.3.15 Firmware Version Information

Figure 66

4.3.16 Firmware Version Setting
1. Introduction to Firmware Version Information: The Firmware Version page displays the version details of the Master controller's firmware. For example, "Main board-V1.5" indicates the version of the communication main board. This page is for informational purposes only and does not allow modifications.
2. Access Firmware Version Information:
   o Navigate to the System Parameter Setting page (Figures 47-50).
   o Use the Up or Down key to select "Firmware Version."
   o Press the Confirm key to enter the Firmware Version page (Figure 66).
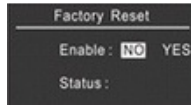3. Exit Firmware Version Page: Press the Back key to return to the System Parameter Setting page.

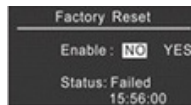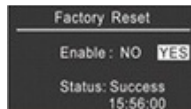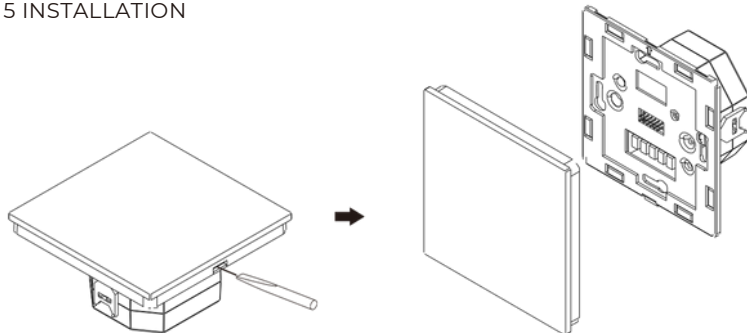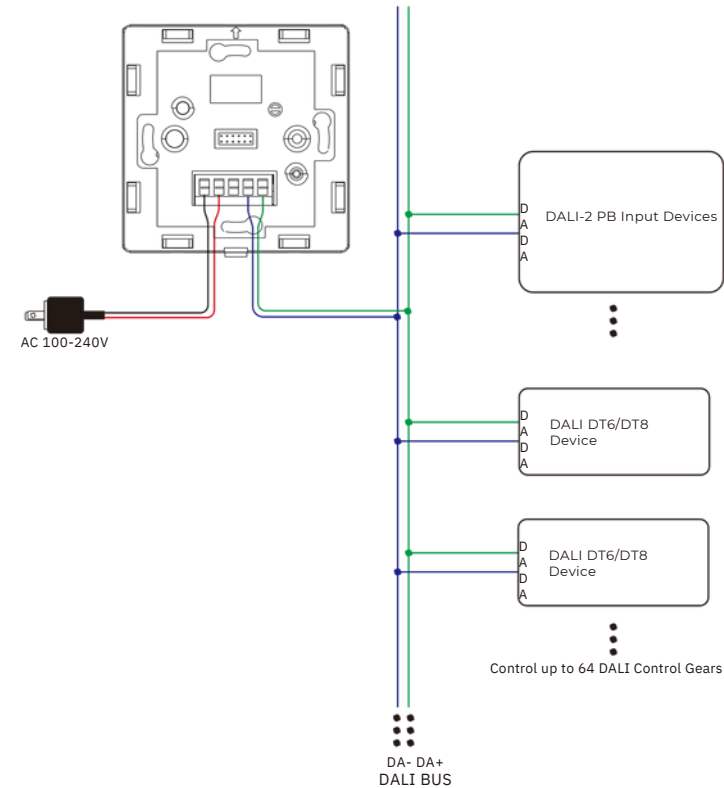Factory Reset Parameter Configuration
1. Access Factory Reset Settings: Navigate to the System Parameter Setting page (Figures 47-50), press the Up key to select "Factory Reset," and confirm with the Confirm key (Figure 67).
2. Modify Factory Reset Parameter:
   o Use the Plus key to enable the Factory Reset function (status "YES") or the Minus key to disable it (status "NO").
3. Execute Factory Reset: Press the Confirm key to apply and save the changes. The display will show the current factory reset status and estimated completion time (Figures 68-69).
4. Introduction to Factory Reset: The Factory Reset function restores all controller settings to their default values. This process may take some time; please wait patiently.

Figure 67

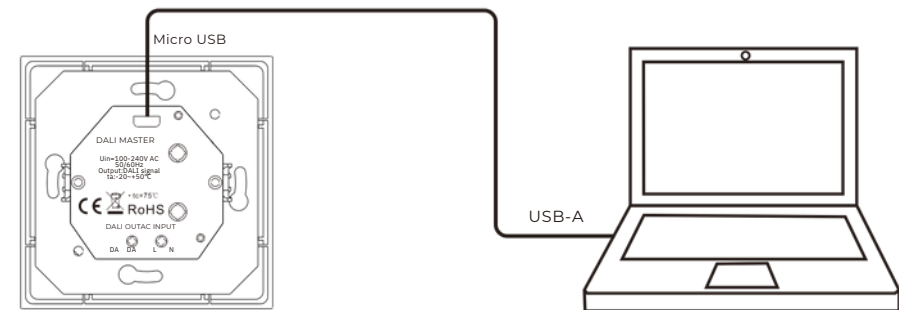
Figure 68

Figure 69

5 INSTALLATION

6 WIRING DIAGRAM

6.1 DALI Connection

AC 100-240V

DALI-2 PB Input Devices

DALI DT6/DT8 Device

DALI DT6/DT8 Device

Control up to 64 DALI Control Gears

DA- DA+
DALI BUS

6.2 Master & PC Connection (If DALI PC software needs to be used)

Micro USB

USB-A

Note:

1) please use an USB-A male to Micro USB male data cable to connect the master and the computer .

2) Please refer to the user manual of DALI Master PC software for detailed operations.