

DIN Rail DALI Master Controller



Important: Read All Instructions Prior to Installation

Function introduction

Enable or disable
built-in DALI PS
by dip switches:

- ↓ ↓ Disable (dial both switches to "1 2" position)
- ↑ ↑ Enable (dial both switches to "ON" position)

Enable when use built-in DALI power supply
Disable when use external DALI power supply

USB-B female port for
data communication with
PC and 5V power input
while using external
DALI PS

1 Channel DALI output

AC100-240V Power input

Product Data

While built-in DALI PS enabled

Input Voltage	Frequency	Number of DALI Channel	Output Voltage	Output Current	Size(LxWxH)	Ambient Temperature
100-240VAC	50/60Hz	1	16VDC	230mA max	110x53x65mm	-20°C ~ +50°C

While built-in DALI PS disabled

Input Voltage	Number of DALI Channel	DALI Current Consumption	Size(LxWxH)	Ambient Temperature
5VDC	1	4mA max	110x53x65mm	-20°C ~ +50°C

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.

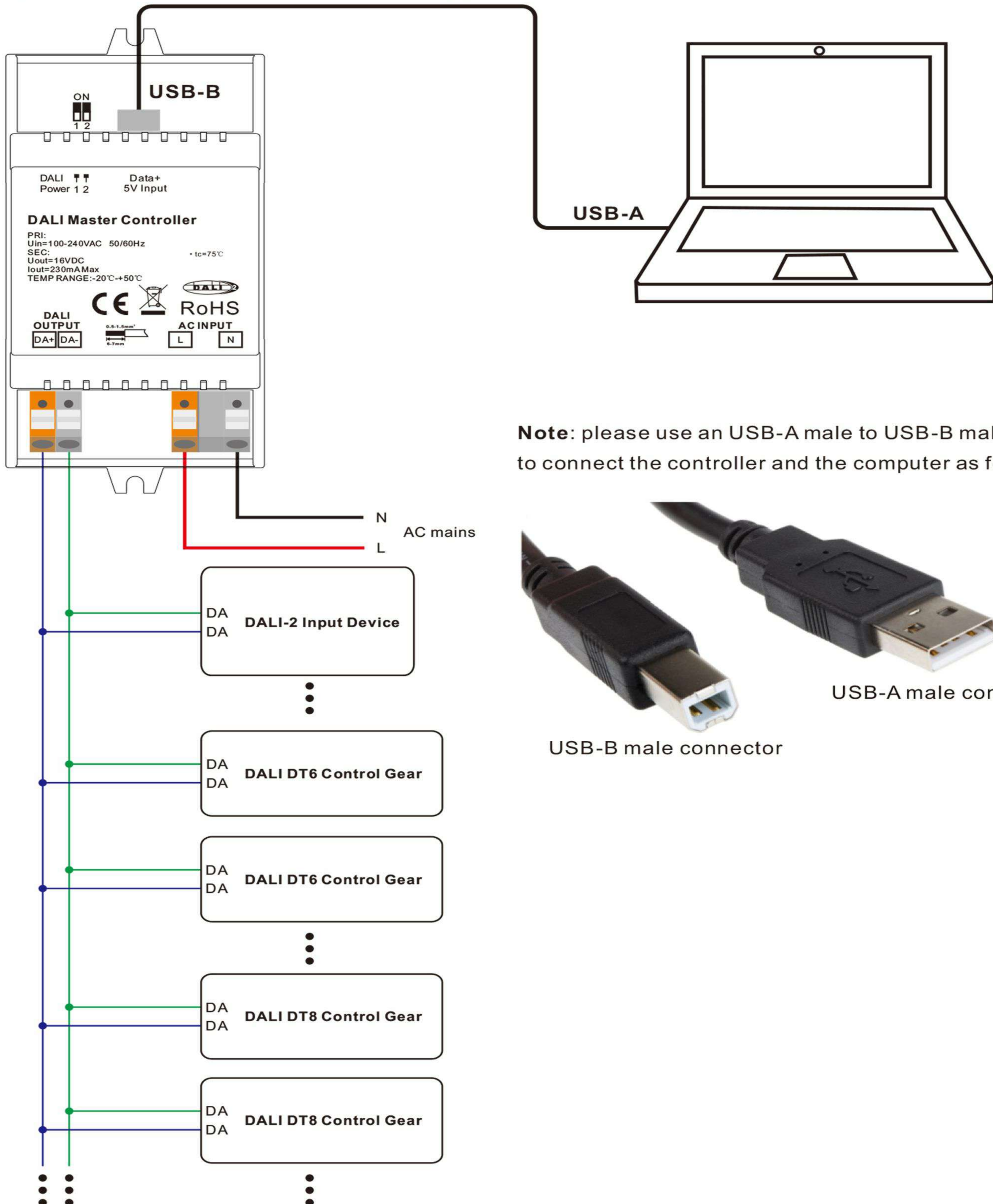
- Supports DT6, DT8 Tc, DT8 XY, DT8 RGBWA control gear device types, DALI-2 input devices
- Each DALI channel supports max 64 control gears, max 64 DALI-2 input devices
- Each DALI channel supports max 16 groups for control gears, 32 groups for input devices, 16 DALI scenes
- Built-in 230mA DALI PS, no extra wiring required
- Easy connect to a Windows PC through USB port



- Built-in battery, built-in RTC, supports timer task configuration
- Supports cycle schedule configuration
- Supports bionic schedule configuration (Human Centric Lighting)
- Waterproof grade: IP20

Wiring Diagram

1) While Use built-in DALI Power Supply

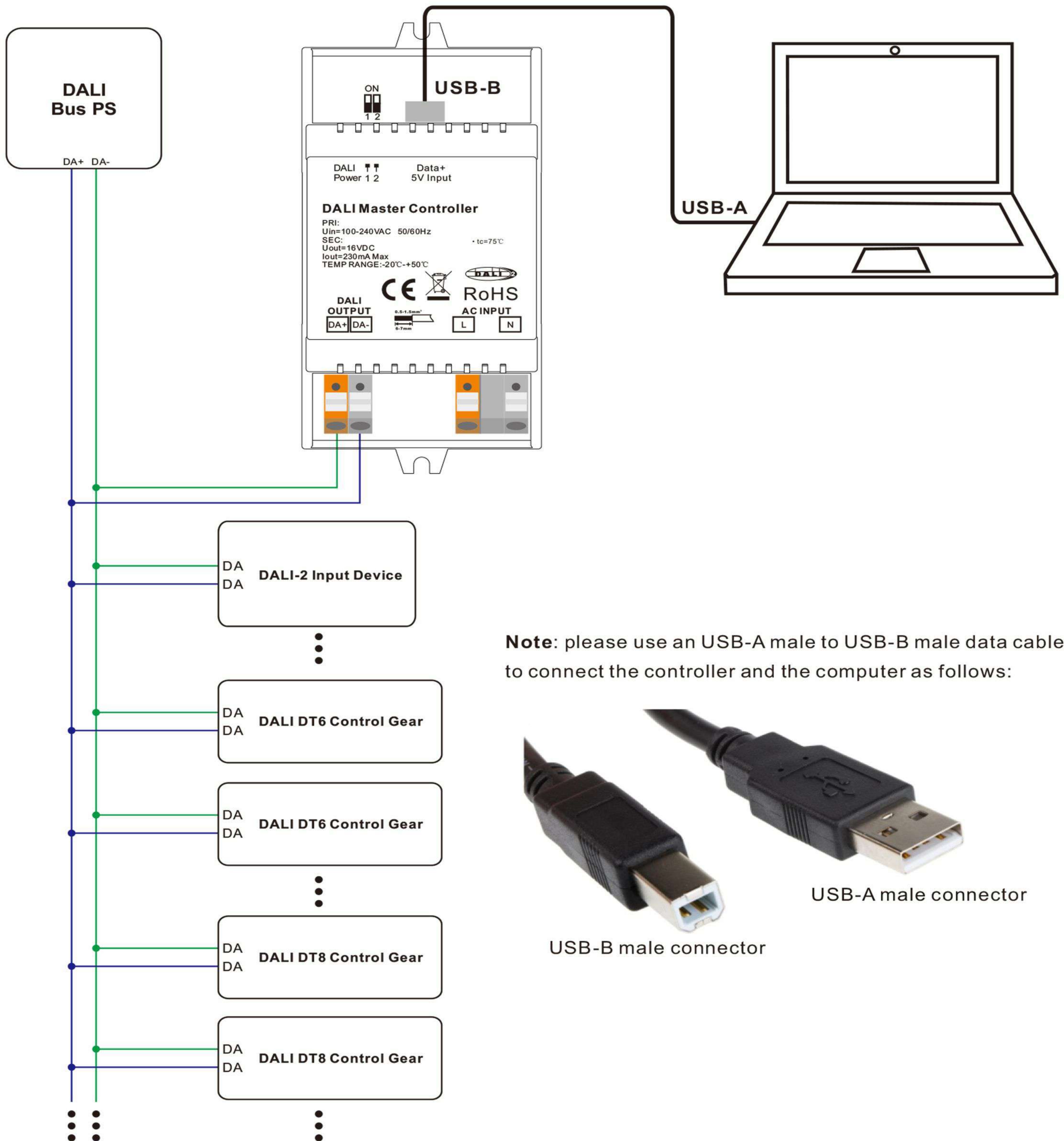


Note: please use an USB-A male to USB-B male data cable to connect the controller and the computer as follows:



Note: When use built-in DALI power supply, please dial both DALI power setting dip switches to “ON” position. The controller can supports up to total 64 control gears and 64 DALI-2 input devices.

2) While Use External DALI Power Supply



Note: When use external DALI power supply, please dial both DALI power setting dip switches to "1 2" position. the controller can support up to total 64 control gears and 64 DALI-2 input devices depending on external DALI PS.

Operation

1) Do wiring according to the wiring diagram and power on the DALI system.

2) Install the "DALI Master" software on the operating computer:

Step 1: Run the installation file and select installation mode as shown in **Figure 1**.