

RDM/DMX512 Tool for EUCO-series quick start

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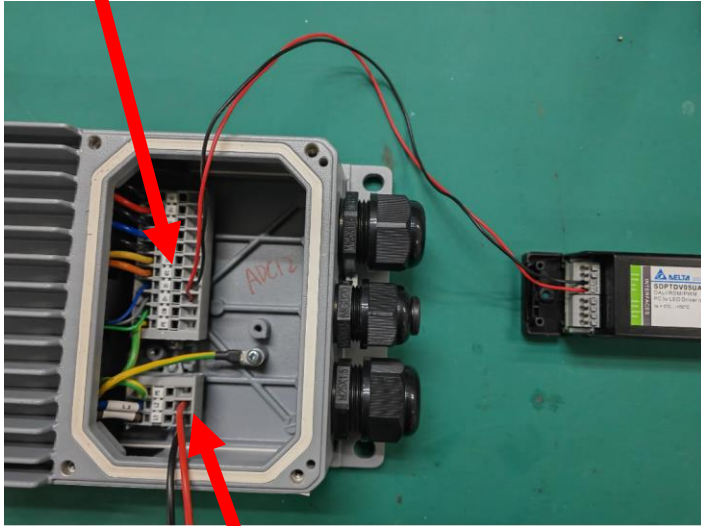
04

Firmware update

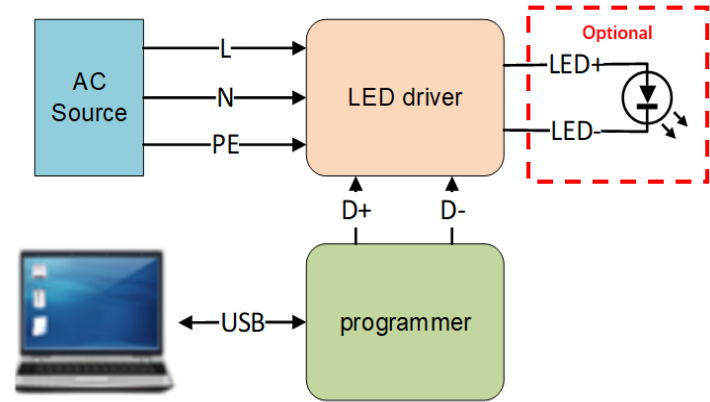
1.Connection

➤ 1.1 Physical connection

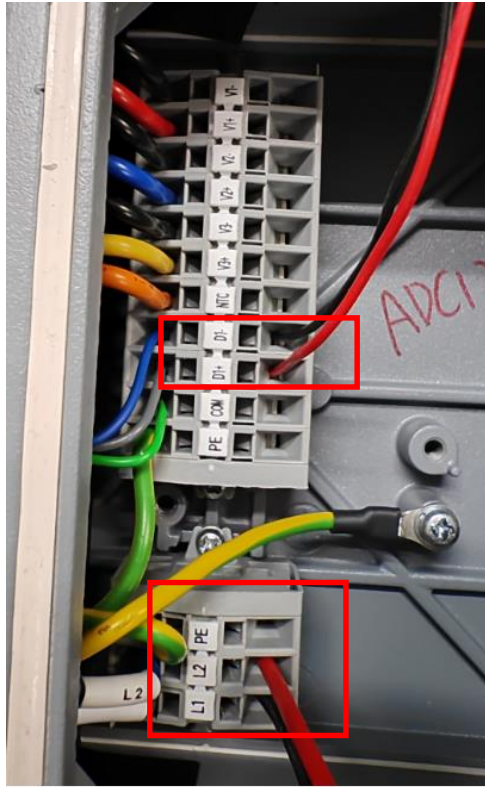
D1+,D1-



AC line: L1, L2,PE(Optional)



➤ 1.1 Physical connection



RDM-

RDM+

L

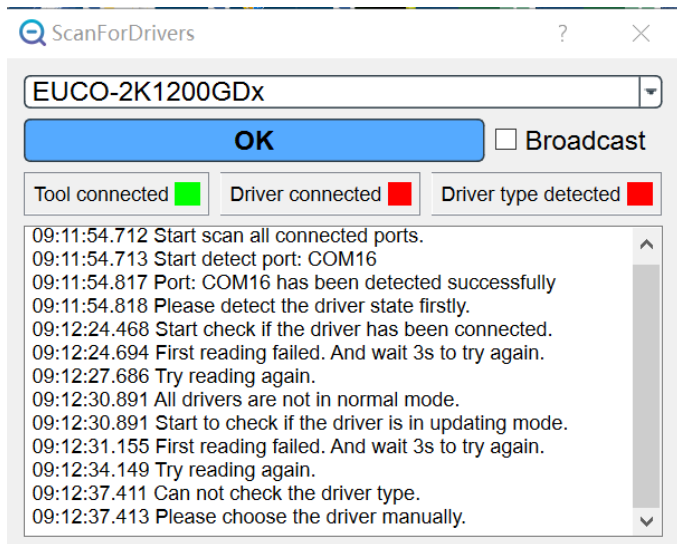
N

AC
power



➤ 1.2 Open GUI

- ◆ Step 1. After connection, turn on the AC power.
- ◆ Step 2. Open the GUI. It will start the detecting.



- ◆ State->Tool connected
- ◆ State-> Driver connected
- ◆ State-> Driver type detected



There are two ways to use the GUI:

One by one: Connect only one driver with the programming tool.

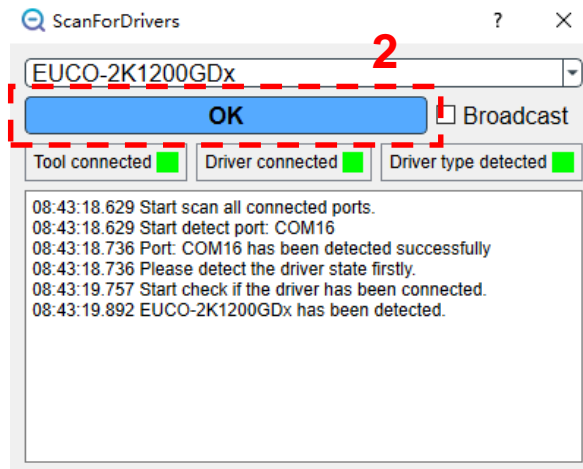
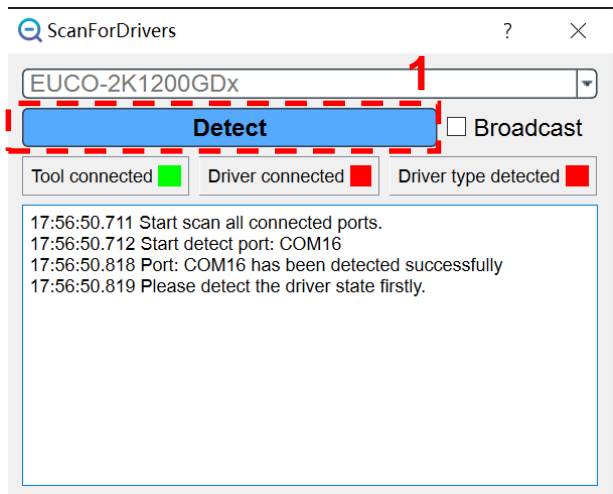
Broadcast: Connect at most 32pcs drivers with the programming tool.

➤ 1.2 Open GUI

One by one:

Step1: Click “Detect button”. The GUI will detect the driver type automatically.

Step2: Click “OK” enter main GUI.

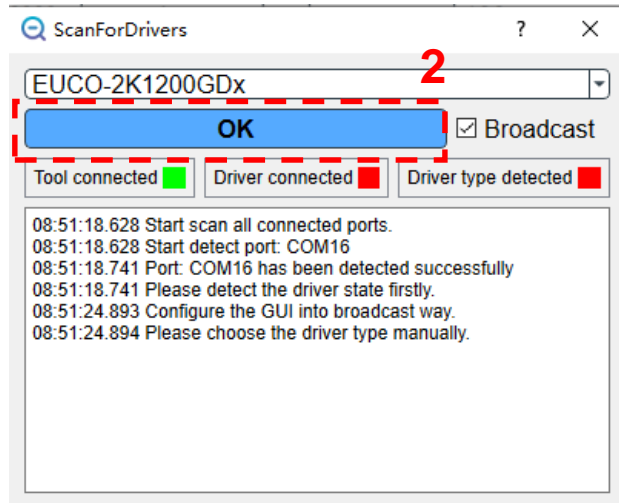
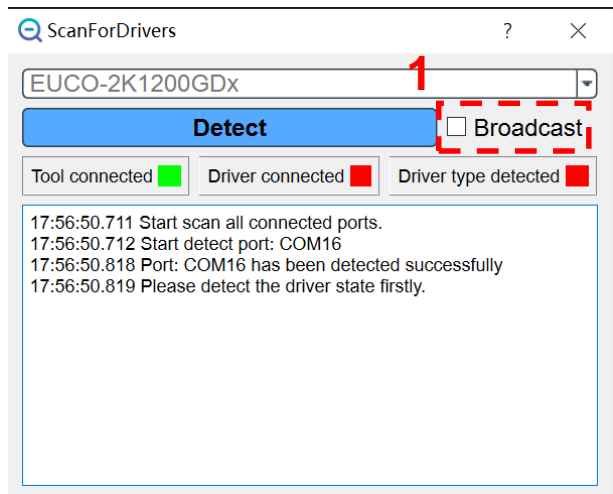


➤ 1.2 Open GUI

Broadcast:

Step1: Select “Broadcast” checkbox. And choose the drive type manually.

Step2: Click “ OK” enter main GUI.



➤ 1.2 Open GUI

- ◆ State-> Tool connected
- ◆ State-> Driver connected
- ◆ State-> Driver type detected

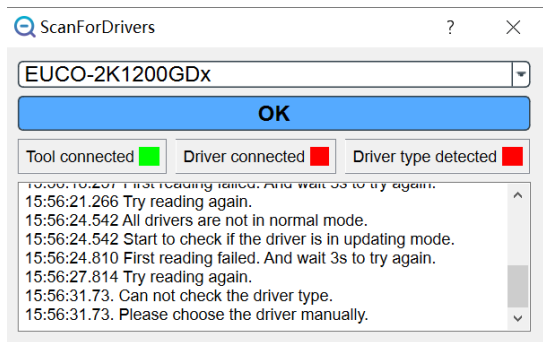
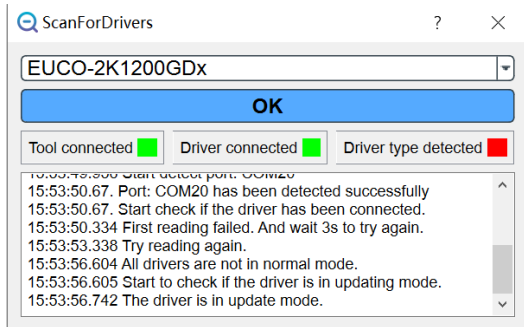


- 1.Driver is in update mode
- 2.GUI doesn't support this type of driver

- ◆ State-> Tool connected
- ◆ State-> Driver connected
- ◆ State-> Driver type detected



- 1.The connection between tool and driver failed.



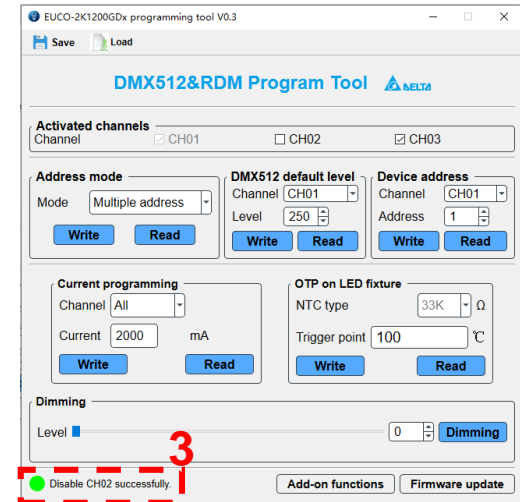
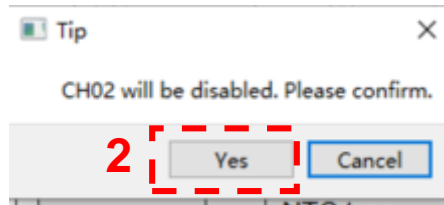
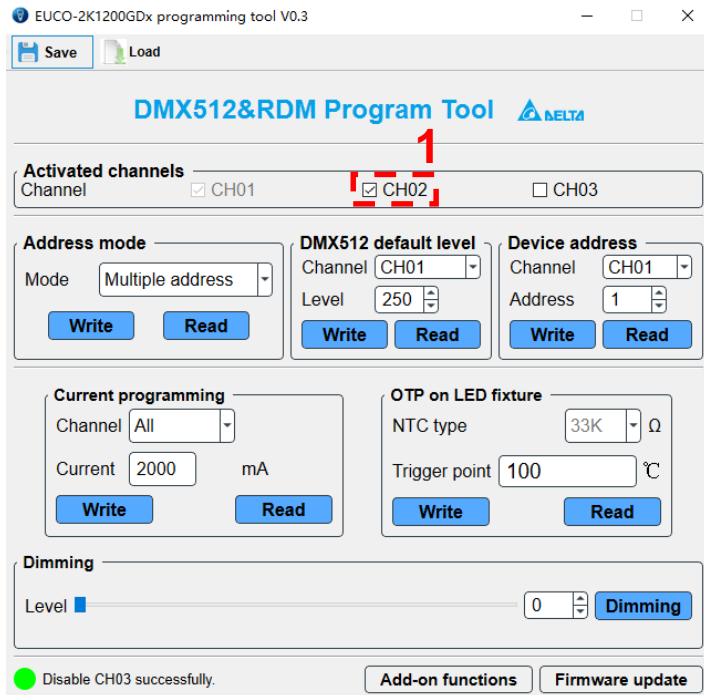
2.Regular function

➤ 2.1 Channel disable

- ◆ Step 1. Click checkbox of the specific channel.
- ◆ Step 2. Click “Yes” button on the pop-out window.
- ◆ Step 3: Check the result in the bottom line.

Disable CH0x successfully: ✓

Disable CH0x Failed: ✕



➤ 2.2 Channel enable

- ◆ Step 1. Click checkbox of the specific channel.
- ◆ Step 2. Click “Yes” button on the pop-out window.
- ◆ Step 3: Check the result in the bottom line.

Enable CH0x successfully: ✓

Enable CH0x Failed: ✗

The screenshot shows the 'DMX512&RDM Program Tool' interface. In the 'Activated channels' section, the 'CH02' checkbox is highlighted with a red dashed box and a red number '1'. Below this, there are sections for 'Address mode', 'DMX512 default level', 'Device address', 'Current programming', and 'OTP on LED fixture'. At the bottom, a status bar shows a green circle and the text 'Disable CH02 successfully.'.

A 'Tip' dialog box is displayed with the text 'CH02 will be enabled. Please confirm.' Below the text, the 'Yes' button is highlighted with a red dashed box and a red number '2'. The 'Cancel' button is also visible.

The screenshot shows the 'DMX512&RDM Program Tool' interface after the channel enablement process. In the 'Activated channels' section, the 'CH02' checkbox is now checked. At the bottom, a status bar shows a green circle and the text 'Enable CH02 successfully.', which is highlighted with a red dashed box and a red number '3'.

➤ 2.3 address mode

- ◆ Step 1. Choose the operating mode.
Click “**Write**” button.
- ◆ Step 2. Check writing status from bottom line.

Write successful: ✓

Write failed: ✗

Save Load

DMX512&RDM Program Tool DELTA

Operating mode

Mode Multiple address CH01 Write Read

DMX512 default level

Level 252 Write Read

Device address

Address 4 Write Read

Current programming

Channel All Current 2000 mA Write Read

OTP on LED fixture

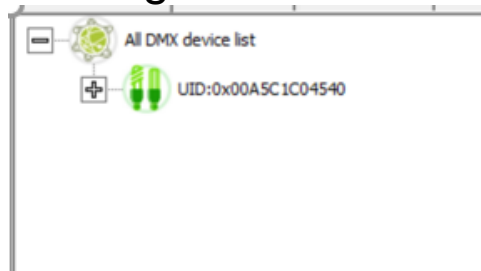
NTC type 33K Ω Trigger point 100 °C Write Read

Dimming

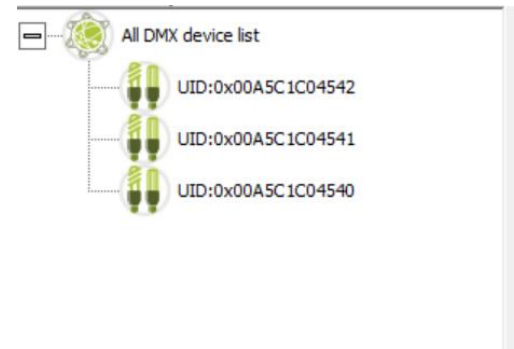
Level 0 Dimming

Write successfully 2 Add-on functions Firmware update

Single address



Multiple addresses



➤ 2.3 address mode

- ◆ Step 1. Choose the operating mode.
Click “**Read**” button.
- ◆ Step 2. Check reading status from bottom line.

Read successful: ✓

Read failed: ✕

The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. Below them is the title bar. The main area is divided into several sections:

- Operating mode:** This section has a 'Mode' dropdown set to 'Multiple address', a 'CH01' dropdown, and two buttons: 'Write' and 'Read'. The 'Read' button is highlighted with a red dashed box and a red '1' next to it.
- DMX512 default level:** This section has a 'Level' dropdown set to '252' and two buttons: 'Write' and 'Read'.
- Device address:** This section has an 'Address' dropdown set to '4' and two buttons: 'Write' and 'Read'.
- Current programming:** This section has a 'Channel' dropdown set to 'All', a 'Current' input field set to '2000' mA, and two buttons: 'Write' and 'Read'.
- OTP on LED fixture:** This section has an 'NTC type' dropdown set to '33K' Ω , a 'Trigger point' input field set to '100' $^{\circ}\text{C}$, and two buttons: 'Write' and 'Read'.
- Dimming:** This section has a 'Level' slider set to '0' and a 'Dimming' button.

At the bottom of the interface, there is a status bar. On the left, there is a green circle icon and the text 'Read successfully', which is highlighted with a red dashed box and a red '2' next to it. To the right of this are two buttons: 'Add-on functions' and 'Firmware update'.

➤ 2.4 DMX512 default level

DMX512 default level -> DMX STARTUP MODE: Level

Level:

This field sets the proportional intensity for the scene. If it is at full (0xFF), then the scene shall be played as recorded. Otherwise, it scales the level of the scene proportionally.

The screenshot shows the 'DMX512&RDM Program Tool' interface. The 'Operating mode' is set to 'Single address' and 'CH01'. The 'DMX512 default level' is highlighted with a red dashed box, showing a 'Level' of 255. The 'Device address' is 1. The 'Current programming' section shows 'Channel' as 'All' and 'Current' as 2000 mA. The 'OTP on LED fixture' section shows 'NTC type' as 33K and 'Trigger point' as 100 °C. The 'Dimming' section shows a 'Level' of 0. A green status indicator at the bottom indicates 'Read information successfully'.

The screenshot shows the 'DMX512&RDM Program Tool' interface. The 'Operating mode' is set to 'Multiple address' and 'CH01'. The 'DMX512 default level' is highlighted with a red dashed box, showing a 'Level' of 100. The 'Device address' is 6. The 'Current programming' section shows 'Channel' as 'All' and 'Current' as 1500 mA. The 'OTP on LED fixture' section shows 'Trigger point' as 100 °C. The 'Dimming' section shows a 'Level' of 0. A green status indicator at the bottom indicates 'Read successfully'.

➤ 2.4 DMX512 default level

The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. Below them is the title 'DMX512&RDM Program Tool' and the 'DELTA' logo. The main area is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Single address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** This section is highlighted with a red dashed box and a red '1'. It contains a 'Level' dropdown set to '252', and 'Write' and 'Read' buttons.
- Device address:** Contains an 'Address' dropdown set to '4' and 'Write' and 'Read' buttons.
- Current programming:** Contains a 'Channel' dropdown set to 'All', a 'Current' input field set to '2000' mA, and 'Write' and 'Read' buttons.
- OTP on LED fixture:** Contains an 'NTC type' dropdown set to '33K' Ω , a 'Trigger point' input field set to '100' $^{\circ}\text{C}$, and 'Write' and 'Read' buttons.
- Dimming:** Contains a 'Level' slider set to '0' and a 'Dimming' button.

At the bottom, there is a status bar with a green circle icon, the text 'Write successfully', a red '2', and two buttons: 'Add-on functions' and 'Firmware update'.

◆ Step 1. Key in the default level.

Click “**Write**” button.

◆ Step 2. Check writing status from bottom line.

Write successful: ✓

Write failed: ✕

➤ 2.4 DMX512 default level

The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. Below them is the title 'DMX512&RDM Program Tool' with the DELTA logo. The 'Operating mode' section has a 'Mode' dropdown set to 'Single address' and a 'CH01' dropdown. There are 'Write' and 'Read' buttons. The 'DMX512 default level' section has a 'Level' input field set to '252'. A red dashed box highlights the 'Read' button, with a red '1' next to it. The 'Device address' section has an 'Address' input field set to '4' and 'Write' and 'Read' buttons. The 'Current programming' section has a 'Channel' dropdown set to 'All', a 'Current' input field set to '2000' mA, and 'Write' and 'Read' buttons. The 'OTP on LED fixture' section has an 'NTC type' dropdown set to '33K' Ω , a 'Trigger point' input field set to '100' $^{\circ}\text{C}$, and 'Write' and 'Read' buttons. The 'Dimming' section has a 'Level' slider set to '0' and a 'Dimming' button. At the bottom left, a green circle icon is next to the text 'Read successfully', which is highlighted by a red dashed box with a red '2' next to it. At the bottom right, there are 'Add-on functions' and 'Firmware update' buttons.

- ◆ Step 1. Choose the operating mode and channel. Click “**Read**” button.
- ◆ Step 2. Check reading status from bottom line.

Read successful: ✓

Read failed: ✕

➤ 2.5 Device address

Device address -> DMX_START_ADDRESS

10.6.3 Get/Set DMX512 Starting Address (DMX_START_ADDRESS)

This parameter is used to set or get the DMX512 start address.

Save Load

DMX512&RDM Program Tool

Operating mode
Mode: Single address CH01 **Write** **Read**

DMX512 default level
Level: 255 **Write** **Read**

Device address
Address: 1 **Write** **Read**

Current programming
Channel: All **Write** **Read**
Current: 2000 mA **Write** **Read**

OTP on LED fixture
NTC type: 33K Ω **Write** **Read**
Trigger point: 100 °C **Write** **Read**

Dimming
Level: 0 **Dimming**

Read information successfully. **Add-on functions** **Firmware update**

➤ 2.5 Device address

The screenshot shows the 'DMX512&RDM Program Tool' interface. In the 'Device address' section, the 'Address' is set to 4, and the 'Write' button is highlighted with a red dashed box and a red '1'. At the bottom left, a green circle icon is highlighted with a red dashed box and a red '2', with the text 'Write successfully' next to it. Other sections include 'Operating mode' (Single address, CH01), 'DMX512 default level' (252), 'Current programming' (Channel: All, Current: 2000 mA), 'OTP on LED fixture' (NTC type: 33K, Trigger point: 100 °C), and 'Dimming' (Level: 0).

- ◆ Step 1. Key in device address (1-512).
Click “**Write**” button.
- ◆ Step 2. Check writing status from bottom line.

Write successful: ✓

Write failed: ✗

The screenshot shows the 'DMX512&RDM Program Tool' interface with the 'DMX Console' tab selected. The device information is displayed as 'Delta Electronics, Inc., EUCO-2K1200GDA'. The 'DMX Start Address' is set to 4. The 'Refresh' and 'Save' buttons are visible at the bottom right.

➤ 2.5 Device address

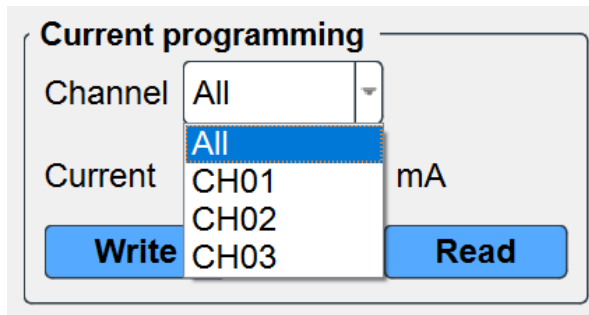
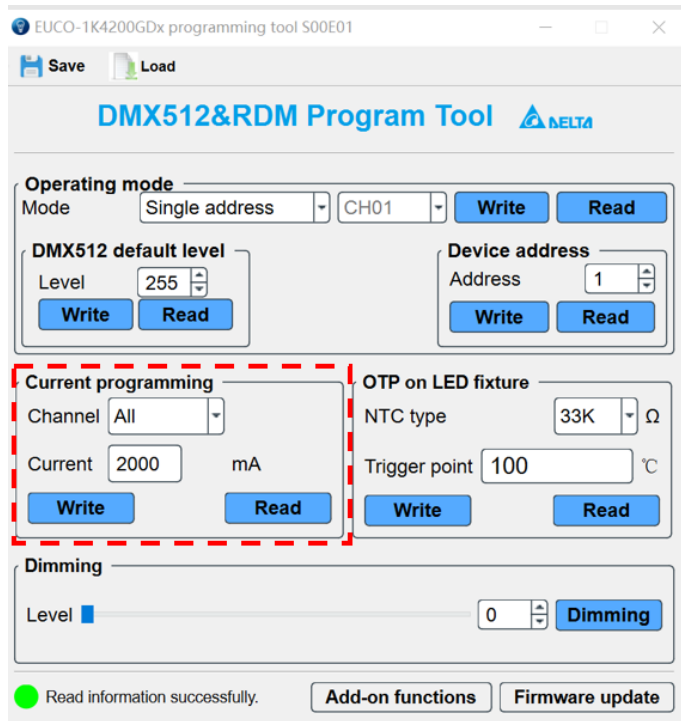
- ◆ Step 1. Choose the operating mode.
Click “**Read**” button.
- ◆ Step 2. Check reading status from bottom line.

Read successful: ✓

Read failed: ✕

The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. Below them is the title bar. The main area is divided into several sections: 'Operating mode' with a dropdown set to 'Single address' and 'CH01', and 'Write' and 'Read' buttons; 'DMX512 default level' with a 'Level' dropdown set to '252' and 'Write' and 'Read' buttons; 'Device address' with an 'Address' dropdown set to '4' and 'Write' and 'Read' buttons; 'Current programming' with a 'Channel' dropdown set to 'All', 'Current' set to '2000' mA, and 'Write' and 'Read' buttons; 'OTP on LED fixture' with 'NTC type' set to '33K' Ω and 'Trigger point' set to '100' °C, and 'Write' and 'Read' buttons; and 'Dimming' with a 'Level' slider set to '0' and a 'Dimming' button. A red dashed box labeled '1' highlights the 'Read' button in the 'Device address' section. At the bottom, there is a status bar with a green circle and the text 'Read successfully', a red dashed box labeled '2' around it, and two buttons: 'Add-on functions' and 'Firmware update'.

➤ 2.6 Current programming



- ◆ **Channel: All**-> All channel are programmed to same current.
- ◆ **Channel: CH0x**-> Program the specific channel.

Current range: 700mA~2000mA

➤ 2.6 Current programming

- ◆ Step 1. Key in output current and programmed channel. Click **“Write”** button.
- ◆ Step 2. Check writing status from bottom line.

Current program successful: ✓

Current program failed: ✗

The screenshot shows the 'DMX512&RDM Program Tool' interface. The 'Current programming' section is highlighted with a red dashed box and a red '1'. It includes a 'Channel' dropdown set to 'All', a 'Current' input field set to '2000' mA, and a 'Write' button. To the right, the 'OTP on LED fixture' section shows 'NTC type' as '33K' and 'Trigger point' as '100' °C. At the bottom, a status bar shows a green circle and the text 'Current program successfully' followed by a red '2'. Other sections include 'Operating mode' (Single address, CH01), 'DMX512 default level' (252), and 'Device address' (4).



➤ 2.6 Current programming

The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. Below them is the title 'DMX512&RDM Program Tool' and the Delta logo. The interface is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Single address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** Includes a 'Level' input set to '252' and 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' input set to '4' and 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' input set to '2000' mA, and 'Write' and 'Read' buttons. The 'Read' button is highlighted with a red dashed box and a red '1' next to it.
- OTP on LED fixture:** Includes an 'NTC type' dropdown set to '33K' Ω , a 'Trigger point' input set to '100' $^{\circ}\text{C}$, and 'Write' and 'Read' buttons.
- Dimming:** Includes a 'Level' slider and a 'Dimming' button.

At the bottom, there is a status bar with a green circle icon, the text 'Read successfully', a red dashed box with a red '2' next to it, and two buttons: 'Add-on functions' and 'Firmware update'.

- ◆ Step 1. Select output channel. Click “Read” button.
- ◆ Step 2. Check reading status from bottom line.

Read successful: ✓

Read failed: ✗

➤ 2.7 OTP on LED fixture

Save Load

DMX512&RDM Program Tool

Operating mode
Mode: Single address CH01 [Write] [Read]

DMX512 default level
Level: 255 [Write] [Read]

Device address
Address: 1 [Write] [Read]

Current programming
Channel: All [Write] [Read]
Current: 2000 mA [Write] [Read]

OTP on LED fixture
NTC type: 33K Ω [Write] [Read]
Trigger point: 100 °C [Write] [Read]

Dimming
Level: 0 [Dimming]

Read information successfully. [Add-on functions] [Firmware update]

NTC type: 33KΩ or 10K Ω. Before changing the NTC type, please make sure the driver supports this type of NTC.

Trigger point: 70°C~120°C

➤ 2.7 OTP on LED fixture

The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. Below them is the title 'DMX512&RDM Program Tool' and the DELTA logo. The interface is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Multiple address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** Includes a 'Level' input set to '255' and 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' input set to '1' and 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' input set to '1200' mA, and 'Write' and 'Read' buttons.
- OTP on LED fixture:** Includes an 'NTC type' dropdown set to '33K' Ω , a 'Trigger point' input set to '100' $^{\circ}\text{C}$, and 'Write' and 'Read' buttons. The 'Write' button is highlighted with a red dashed box and a red '1' below it.
- Dimming:** Includes a 'Level' slider and a 'Dimming' button.
- Status bar:** At the bottom, there is a green circle icon, the text 'Write OTP successfully.', a red '2', and buttons for 'Add-on functions' and 'Firmware update'.

- ◆ Step 1. Choose NTC type and key in the OTP trigger point. Click “**Write**” button.
- ◆ Step 2. Check writing status from bottom line.

Write OTP successful: ✓

Write OTP failed: ✕

➤ 2.7 OTP on LED fixture

- ◆ Step 1. Click “**Read**” button.
- ◆ Step 2. Check reading status from bottom line.

Read successful: ✓

Read failed: ✕

The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. Below them is the title bar. The main area is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Single address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** Includes a 'Level' input set to '252' and 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' input set to '4' and 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' input set to '2000' mA, and 'Write' and 'Read' buttons. The 'Read' button is highlighted with a red dashed box and a red '1' next to it.
- OTP on LED fixture:** Includes an 'NTC type' dropdown set to '33K' Ω , a 'Trigger point' input set to '100' $^{\circ}\text{C}$, and 'Write' and 'Read' buttons.
- Dimming:** Includes a 'Level' slider and a 'Dimming' button.

At the bottom, there is a status bar. On the left, there is a green circle icon, the text 'Read successfully', and a red dashed box with a red '2' next to it. On the right, there are 'Add-on functions' and 'Firmware update' buttons.

➤ 2.8 Dimming control by the tool

The tool applies one custom dimming command to control the driver output. This dimming command is sent in broadcast way.

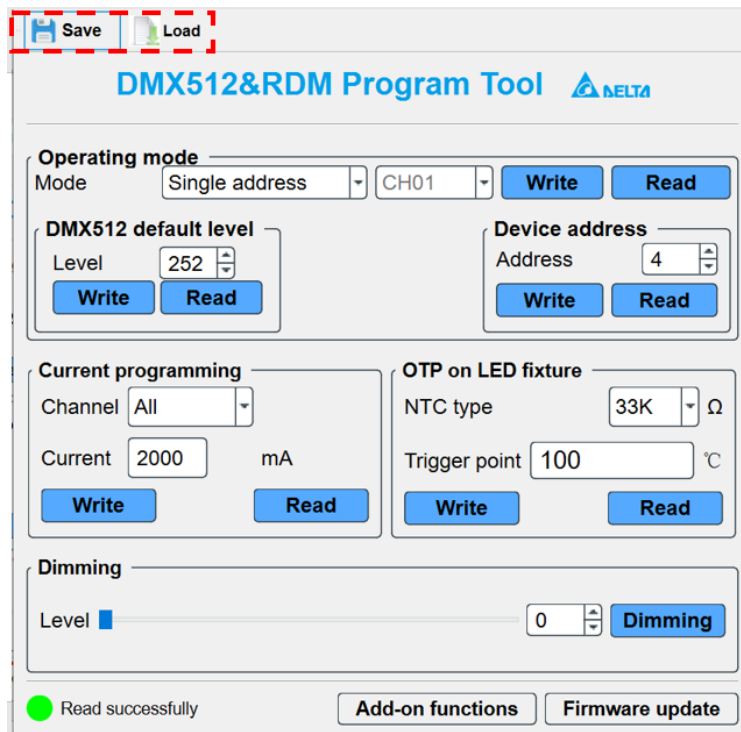
The screenshot displays the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. The title bar includes the tool name and the DELTA logo. The interface is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Single address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** Features a 'Level' input set to '252' with up/down arrows, and 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' input set to '4' with up/down arrows, and 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' input set to '2000' with 'mA' units, and 'Write' and 'Read' buttons.
- OTP on LED fixture:** Includes an 'NTC type' dropdown set to '33K' with a 'Ω' symbol, a 'Trigger point' input set to '100' with a '°C' symbol, and 'Write' and 'Read' buttons.
- Dimming:** This section is highlighted with a red dashed border. It includes a 'Level' input set to '0' with a blue bar indicator and a 'Dimming' button.

At the bottom, there is a status bar with a green circle icon and the text 'Read successfully', and two buttons: 'Add-on functions' and 'Firmware update'.

➤ 2.9 Save & Load profile

The GUI can save all current parameters in the main GUI. The saved file could be copied or used in another PC.



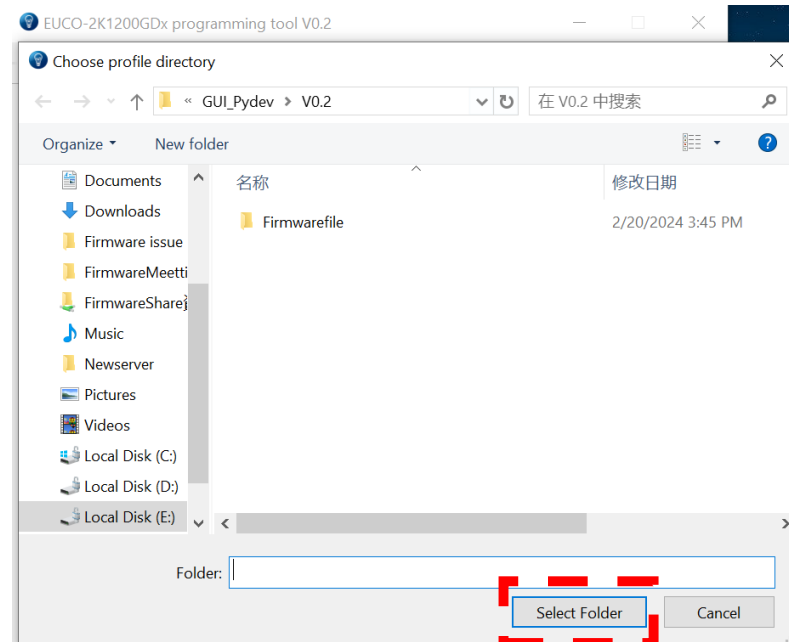
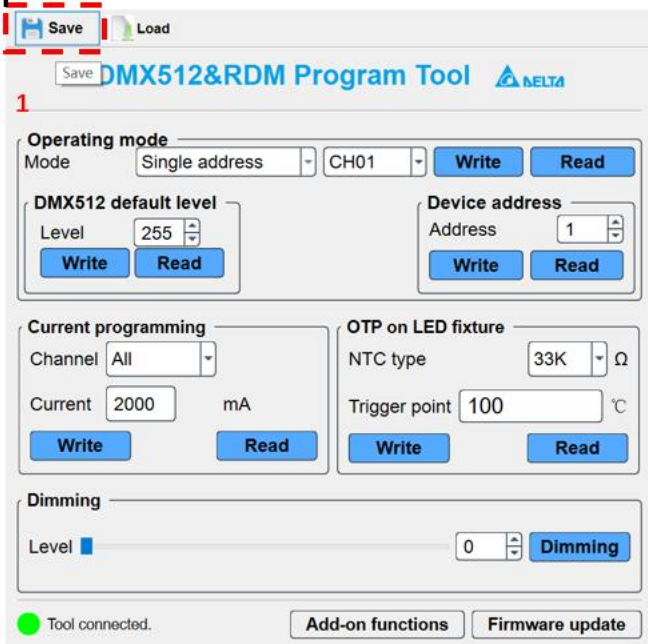
The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, a red dashed box highlights the 'Save' and 'Load' buttons. The main interface is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Single address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** Includes a 'Level' input set to '252' and 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' input set to '4' and 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' input set to '2000' mA, and 'Write' and 'Read' buttons.
- OTP on LED fixture:** Includes an 'NTC type' dropdown set to '33K' Ω , a 'Trigger point' input set to '100' $^{\circ}\text{C}$, and 'Write' and 'Read' buttons.
- Dimming:** Includes a 'Level' slider and a 'Dimming' button.

At the bottom, there is a status bar with a green circle indicating 'Read successfully', and two buttons: 'Add-on functions' and 'Firmware update'.

➤ 2.9 Save & Load profile

Step1: Click “Save” button. Then choose the file directory. Click “Select folder”. The profile will be saved.

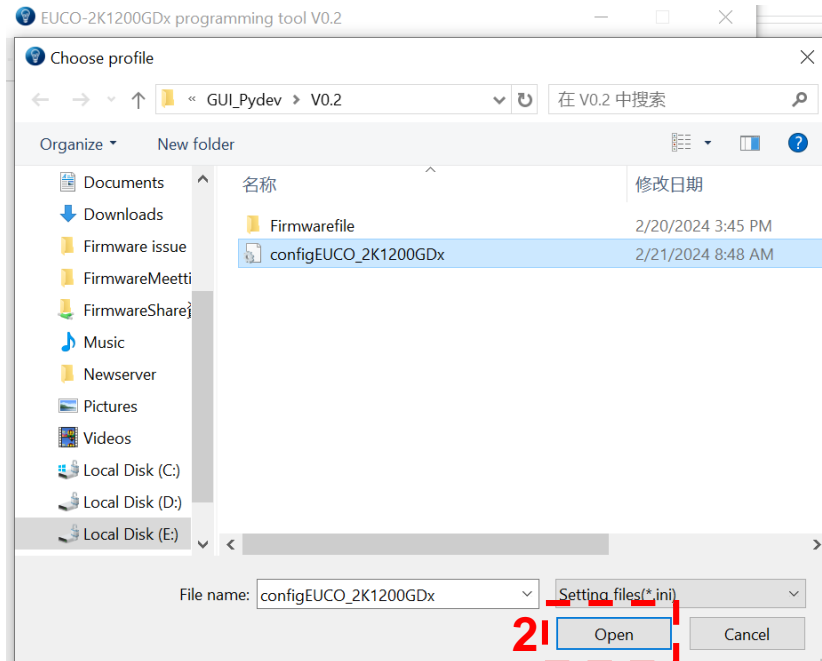
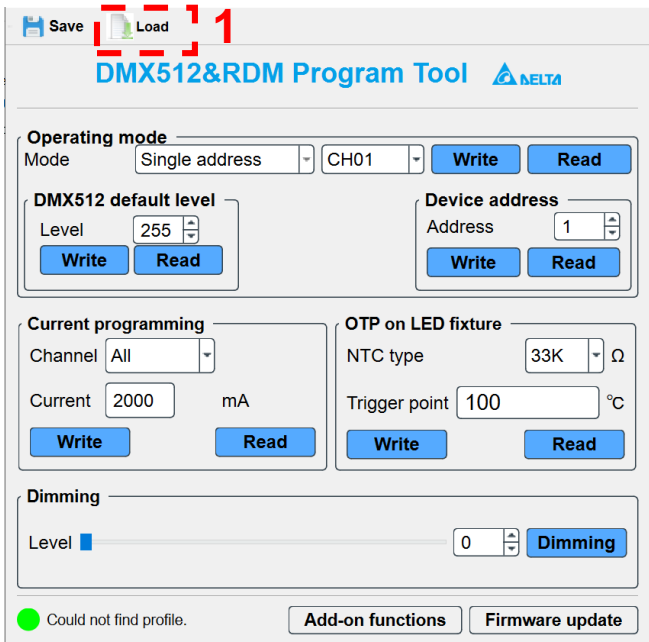


Saved file

<input type="checkbox"/> 名称	修改日期	类型
Firmwarefile	2/20/2024 3:45 PM	File fol
configEUCO_2K1200GDx	2/21/2024 8:48 AM	Config
RDM_Tool_For_EUCO-series_V0.2	2/20/2024 4:07 PM	Applic

➤ 2.9 Save & Load profile

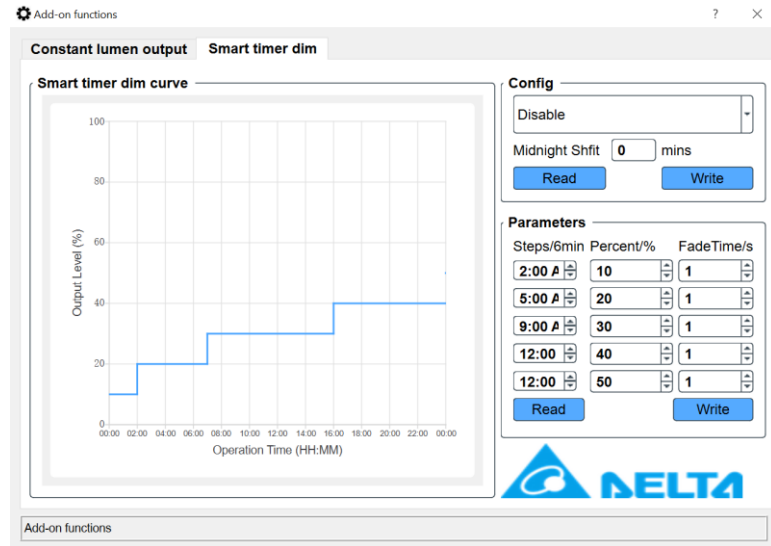
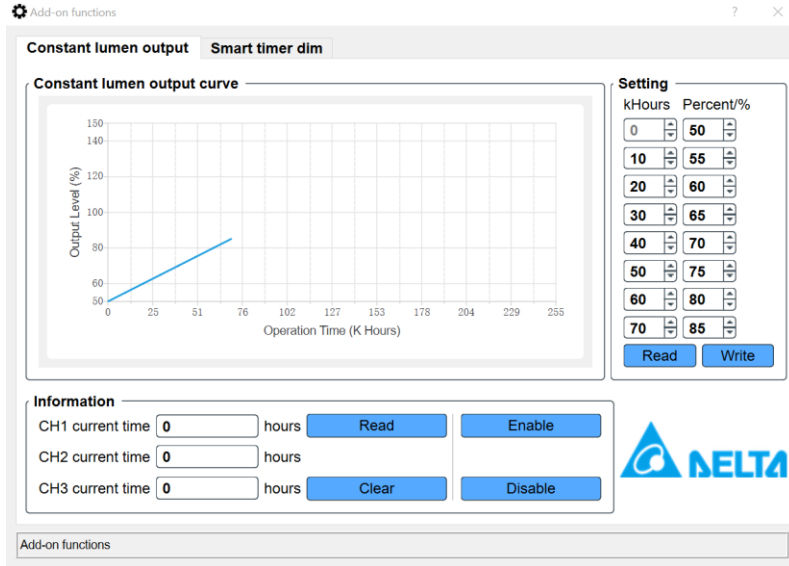
Step1: Click “Load” button. Then choose the saved profile. Click “Open”. The profile will be loaded.



3.Add on functions

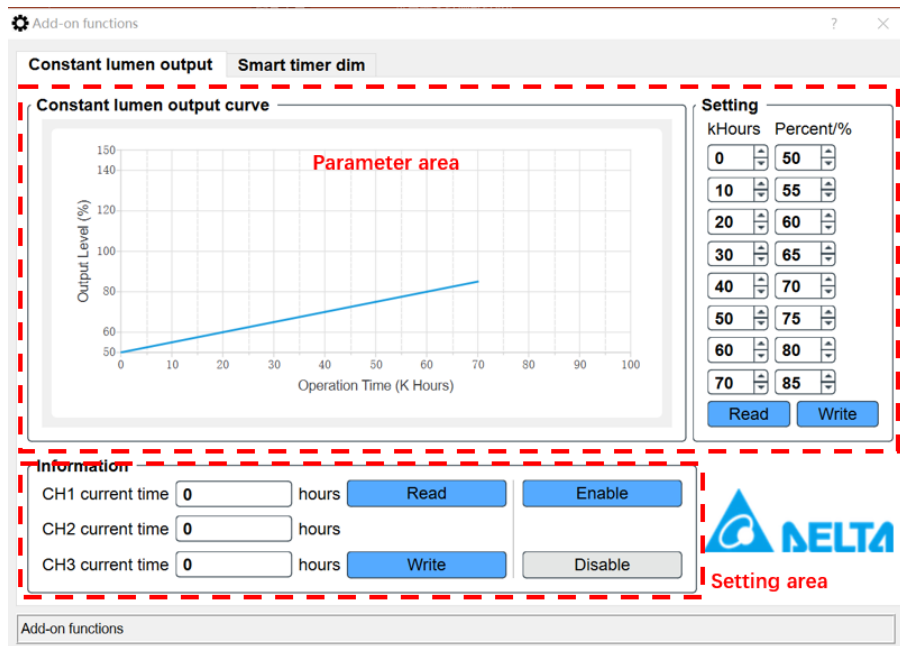
➤ 3 Add on functions

Click “Add-on functions” in the bottom line will active add on functions: Constant lumen output and smart timer dim



➤ 3.1 Constant lumen output

Generally speaking, the LED module will get a little darter even with the same output current as the working time increases.



Parameter area: Based on the feature of used LED module, modify the relation of time and output current percent.

Setting area: Reset current time. Enable or disable CLO function.

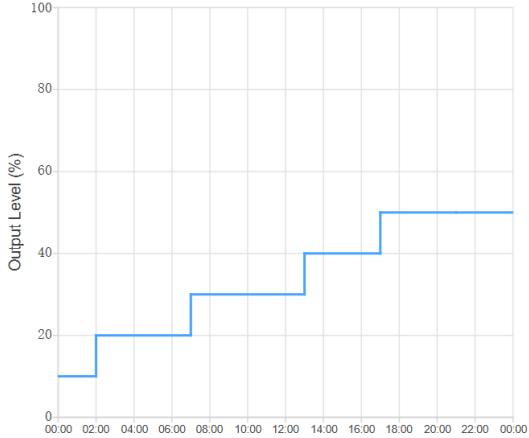
➤ 3.2 Smart timer dim

The module is used for 24hours automatic dimming. There are all three different modes: Fixed timer, midnight centric timer and ratio rescale timer.

⚙ Add-on functions

Constant lumen output **Smart timer dim**

Smart timer dim curve



Operation Time (HH:MM)	Output Level (%)
00:00 - 01:00	10
01:00 - 02:00	20
02:00 - 06:00	20
06:00 - 12:00	30
12:00 - 16:00	40
16:00 - 18:00	50
18:00 - 00:00	50

Config

Fixed timer

Midnight Shift 0 mins

Read Write

Parameters

Steps/6min	Percent/%	FadeTime/s
2:00	10	1
5:00	20	1
6:00	30	1
4:00	40	1
5:00	50	1

Read Write

DELTA

Add-on functions

Config

Fixed timer

Disable

Fixed timer

Midnight centric timer

Ratio rescale timer

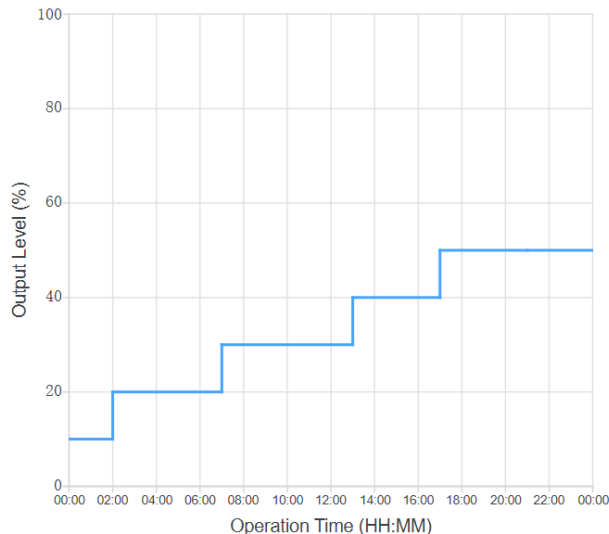
➤ 3.2 Smart timer dim: Fixed timer

⚙ Add-on functions

Constant lumen output

Smart timer dim

Smart timer dim curve



Config

Fixed timer

Midnight Shift 0 mins

Read

Write

Parameters

Steps/6min	Percent/%	FadeTime/s
2:00	10	1
5:00	20	1
6:00	30	1
4:00	40	1
5:00	50	1

Read

Write



Add-on functions

Time step1 **2:00** means 2hours.00:00->02:00, dim to 10%.

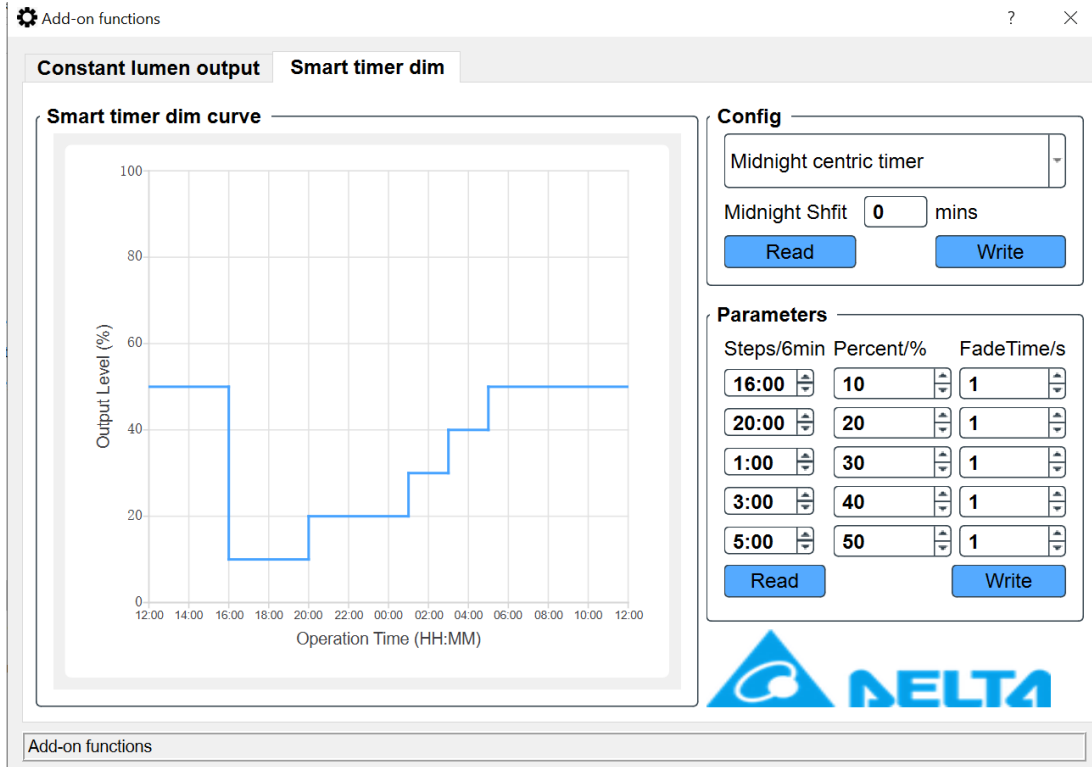
Time step2:**5:00** means 5hours, 02:00->07:00 dim to 20% .

Time step3:**6:00** means 6hours, 07:00->13:00 dim to 30% .

Time step4:**4:00** means 6hours, 13:00->17:00 dim to 40% .

Time step5: the value has no meaning. 17:00->24:00 dim to 50% .

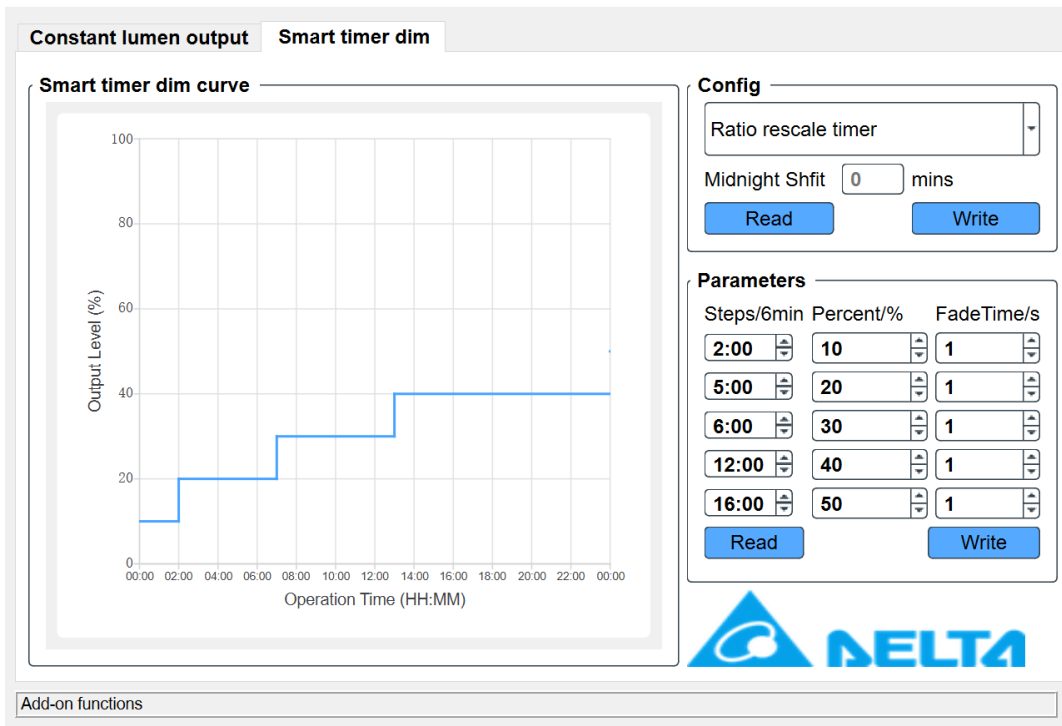
➤ 3.2 Smart timer dim: Midnight centric timer



This mode supposes the driver's work time two days before are 00:00 centered, such like from 20:00->08:00 next day.

Then setting the parameter will reassign the dimming process in this time range.

➤ 3.2 Smart timer dim: Ratio rescale timer



This mode is very similar with the fixed timer mode. In fixed timer mode, we assign 24hours dimming process. However, in this mode, it is allowed to assign the time slot of two day before. All time steps will equally scaled down from 24hours setting to the record time slot.

4. Firmware update

➤ 4. Firmware update

Save Load

DMX512&RDM Program Tool

Operating mode

Mode

DMX512 default level

Level

Device address

Address

Current programming

Channel

Current mA


OTP on LED fixture

NTC type Ω

Trigger point $^{\circ}\text{C}$

Dimming

Level

 Tool connected.


Firmware Update ? X

Size

Checksum

Application

0%

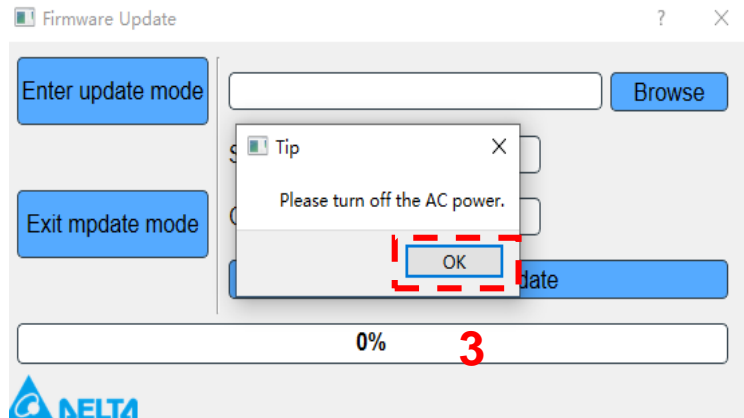
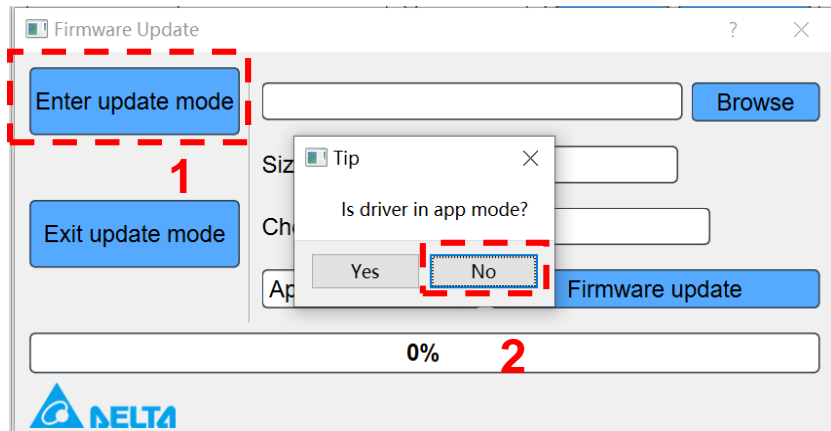


Click the “Firmware update” button will active the firmware update function.

➤ 4.1 Enter update mode: AC power off

Step1: click the button “Enter update mode”.

Step2: Click button “OK”

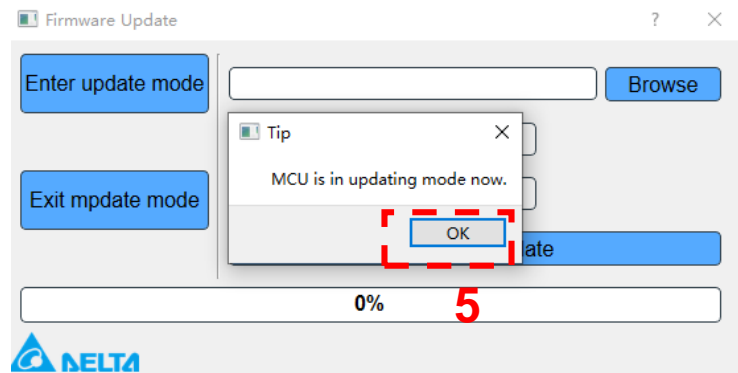
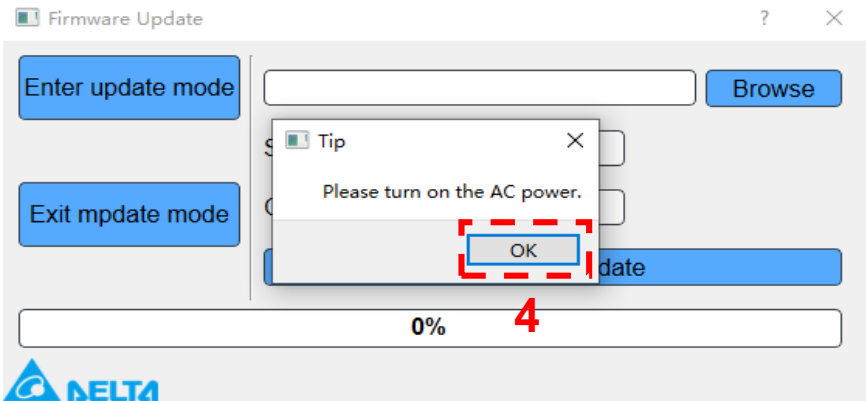


Step3: Power off the driver. Then click the button “OK”

➤ 4.1 Enter update mode: AC power off

Step4: Wait for the driver completely off. Click the button “OK”

Step5: Normally, the driver will enter update mode successfully.



➤ 4.1 Enter update mode: Normal app mode

The screenshot displays the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' icons. The title bar includes the tool name and the DELTA logo. The main area is divided into several sections: 'Operating mode' with 'Mode' set to 'Single address' and 'CH01', and buttons for 'Write' and 'Read'; 'DMX512 default level' with 'Level' set to '255' and 'Write'/'Read' buttons; 'Device address' with 'Address' set to '1' and 'Write'/'Read' buttons; 'Current programming' with 'Channel' set to 'All' and 'Current' set to '2000 mA', plus 'Write'/'Read' buttons; 'OTP on LED fixture' with 'NTC type' set to '33K Ω' and 'Trigger point' set to '100 °C', plus 'Write'/'Read' buttons; and 'Dimming' with a 'Level' slider and a 'Dimming' button. At the bottom, a green status indicator shows 'Tool connected.', and there are buttons for 'Add-on functions' and 'Firmware update'.

Save Load

DMX512&RDM Program Tool DELTA

Operating mode

Mode

DMX512 default level

Level

Device address

Address

Current programming

Channel

Current mA

OTP on LED fixture

NTC type Ω

Trigger point °C

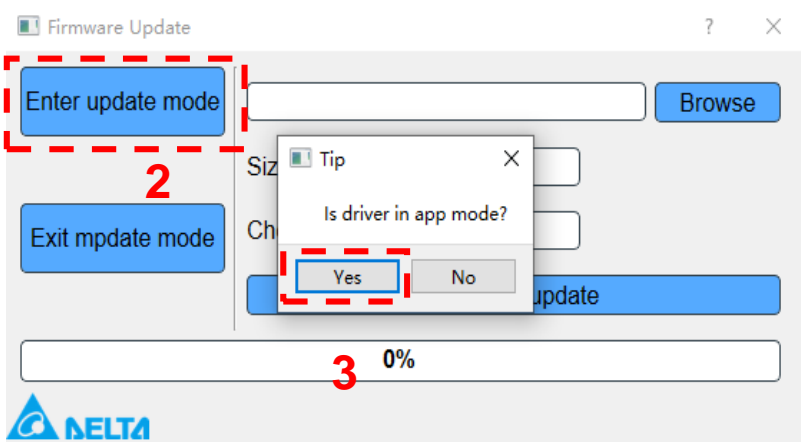
Dimming

Level

Tool connected.

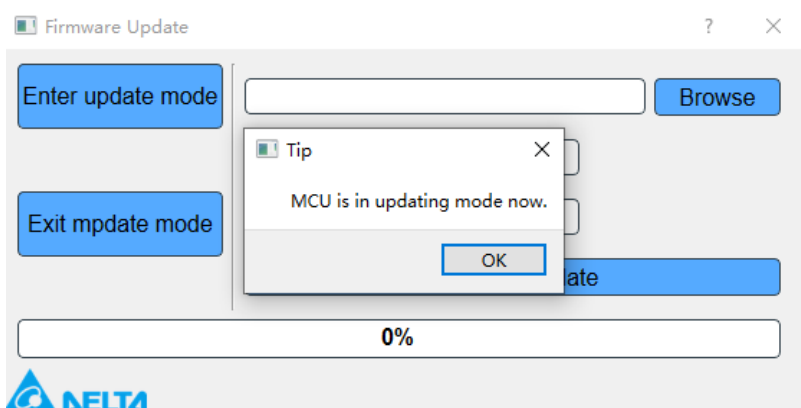
Step1 : Check communication. Click any “Read” button in the main GUI. The status in the bottom line shows “Read successfully”.

➤ 4.1 Enter update mode: Normal app mode



Step2: Click button “Enter update mode”

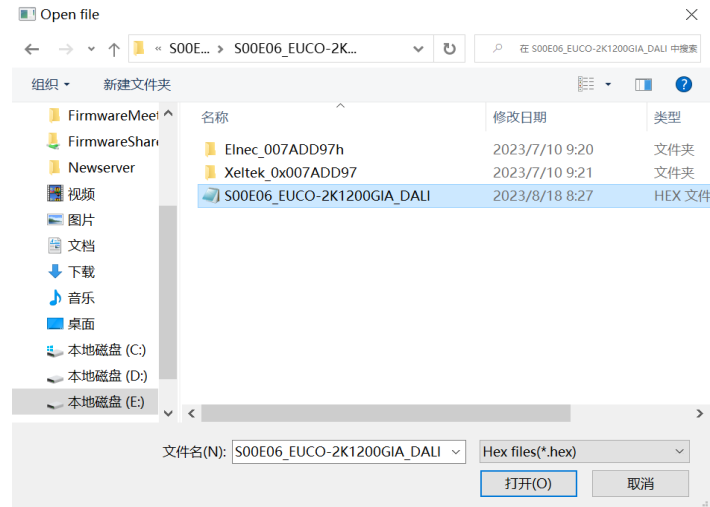
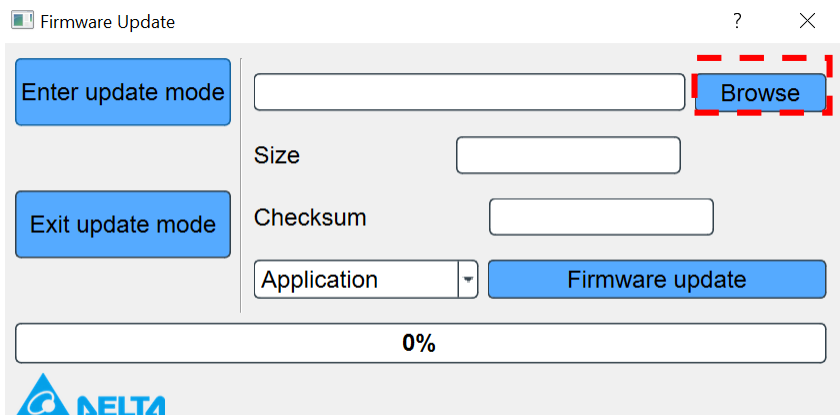
Step3: Click button “Yes”



Step4: Normally, the driver will enter update mode successfully.

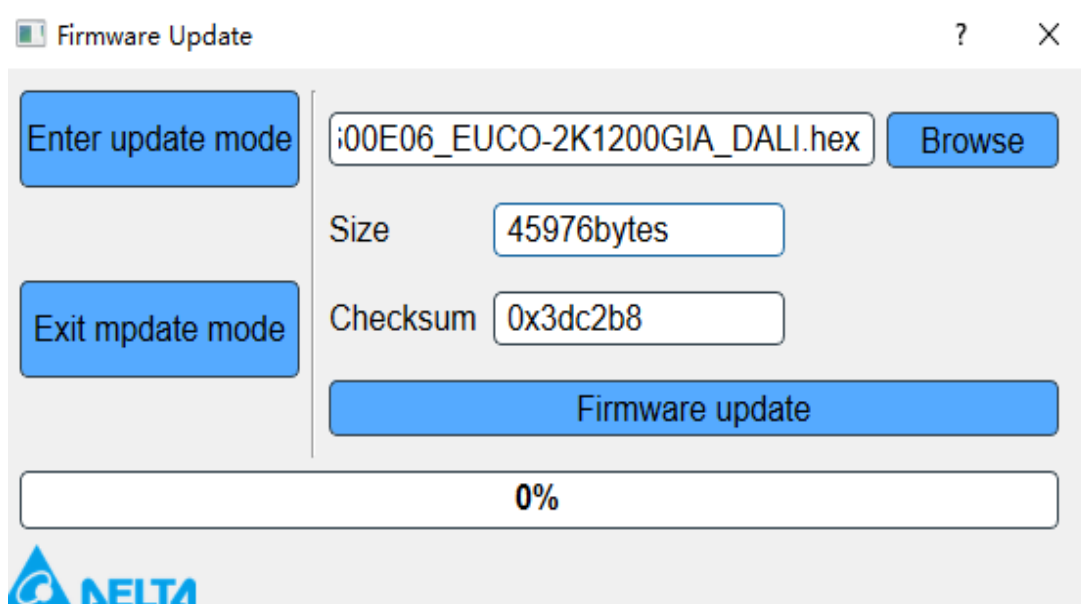
➤ 4.2 Choose firmware file

Step1: Click “Browse” button. And choose the correct firmware file



➤ 4.2 Choose firmware file

After reading, the size and checksum value of the GUI will be shown in the GUI.

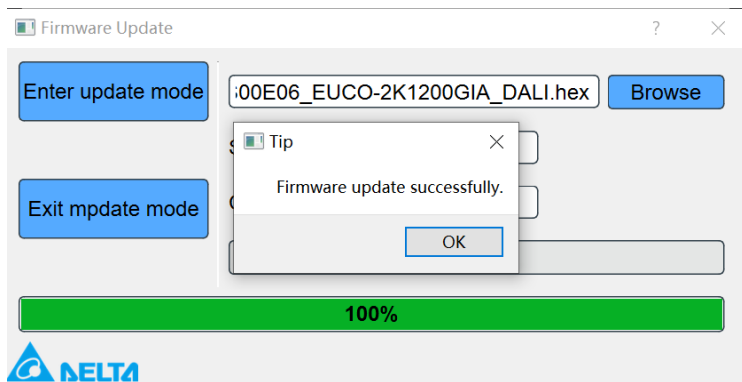
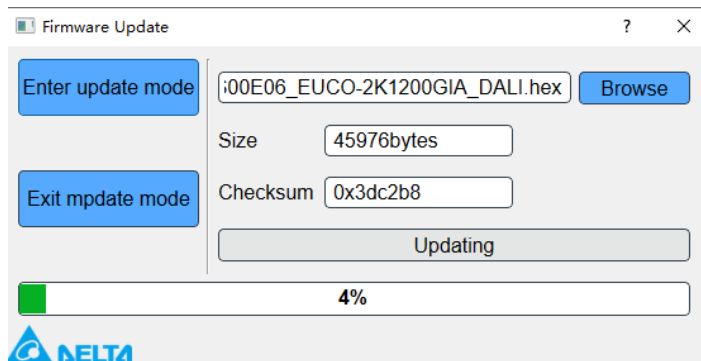
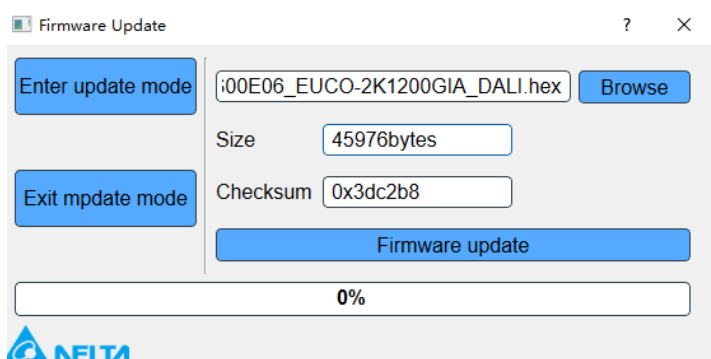


The screenshot shows a 'Firmware Update' window with a light gray background. On the left side, there are two blue buttons: 'Enter update mode' and 'Exit update mode'. The main area contains a text input field with the filename '00E06_EUCO-2K1200GIA_DALI.hex' and a 'Browse' button to its right. Below the filename, there are two more input fields: 'Size' with the value '45976bytes' and 'Checksum' with the value '0x3dc2b8'. A large blue button labeled 'Firmware update' is positioned below these fields. At the bottom of the window, there is a progress bar showing '0%' completion. The Delta logo is visible in the bottom-left corner of the window.

Field	Value
Filename	00E06_EUCO-2K1200GIA_DALI.hex
Size	45976bytes
Checksum	0x3dc2b8
Progress	0%

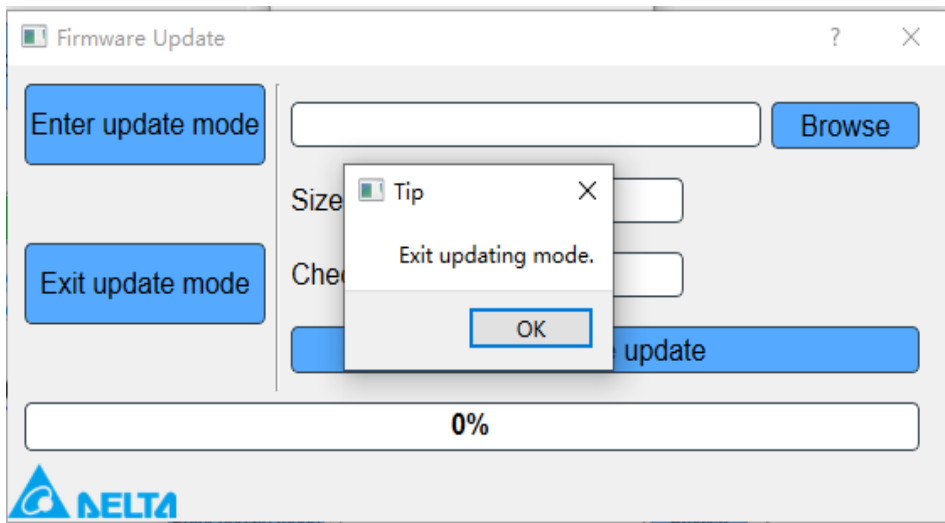
➤ 4.3 Updating the firmware

Step1: Click “Firmware update” button. Wait for 1-2minutes



➤ 4.4 Exit update mode

Step1: Click “Exit update mode” button. The driver will recover to normal app.



Smarter. Greener. Together.

