

RDM/DMX512 Tool for EUCO Series

Quick Start

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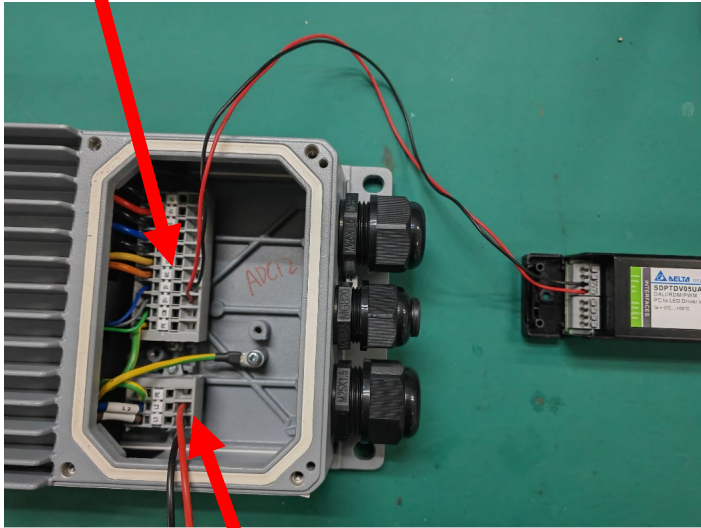
04

Firmware update

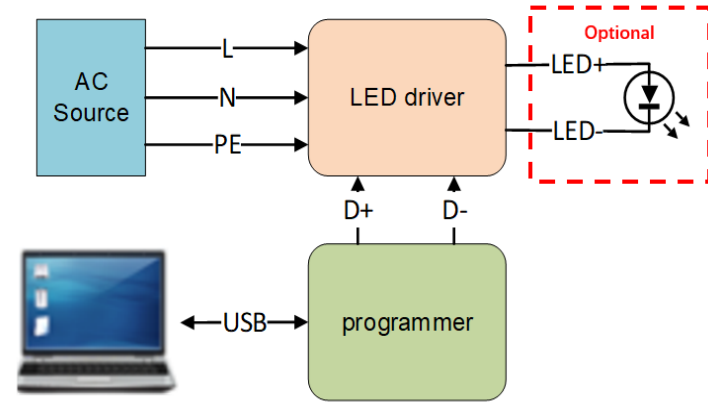
1.Connection

➤ 1.1 Physical connection

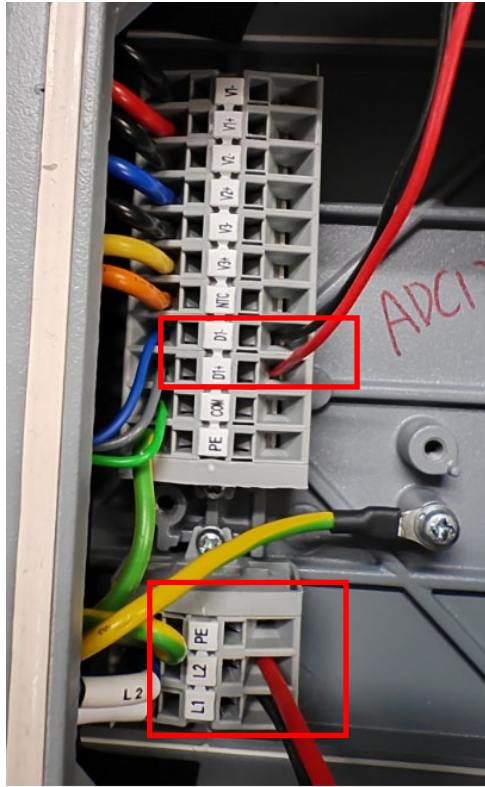
D1+,D1-



AC line: L1, L2, PE(Optional)



➤ 1.1 Physical connection



RDM-

RDM+

L

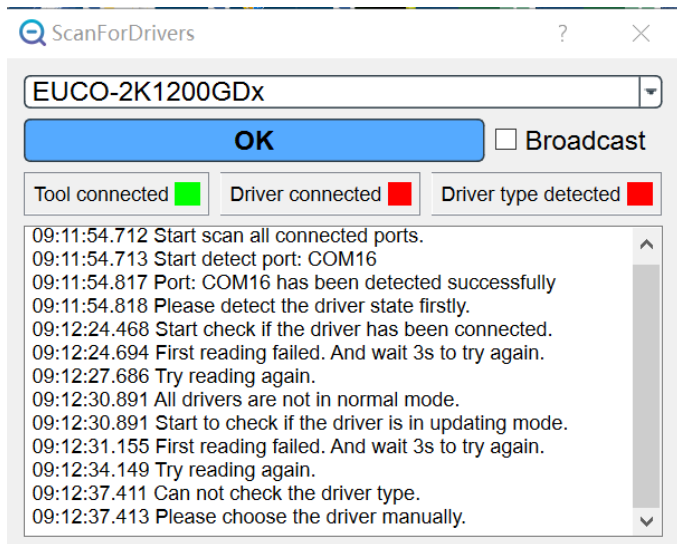
N

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.

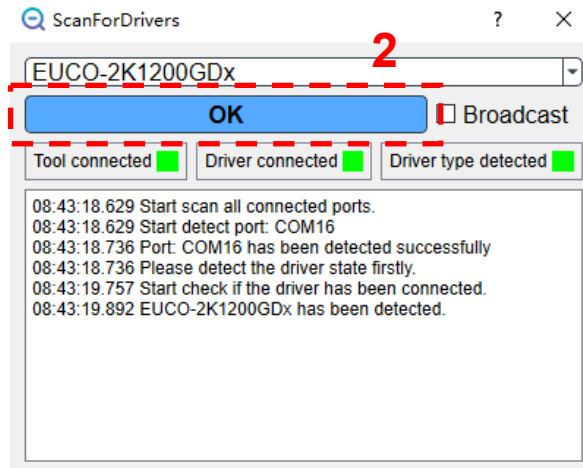
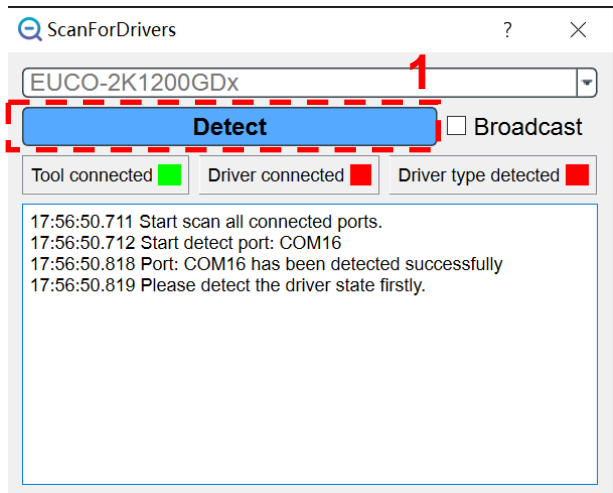
Broadcast: Connect at most 32pcs drivers with the programming tool.

➤ 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.

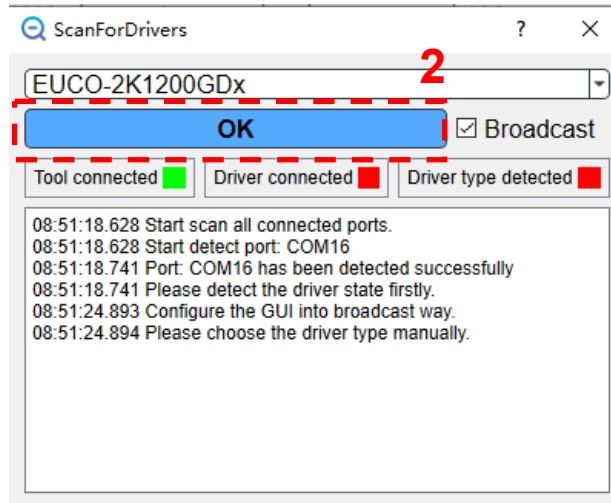
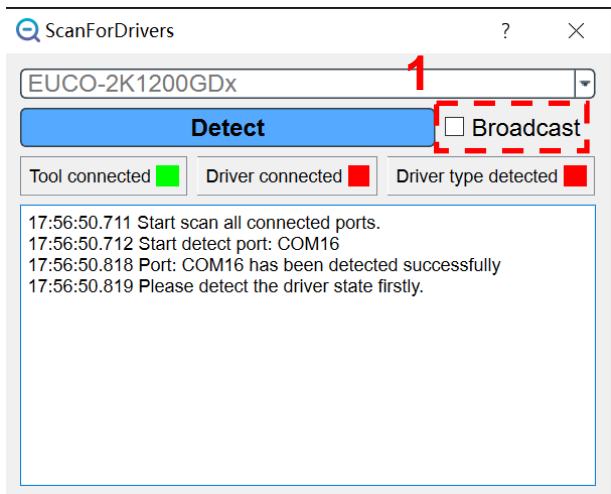


➤ 1.2 Open GUI

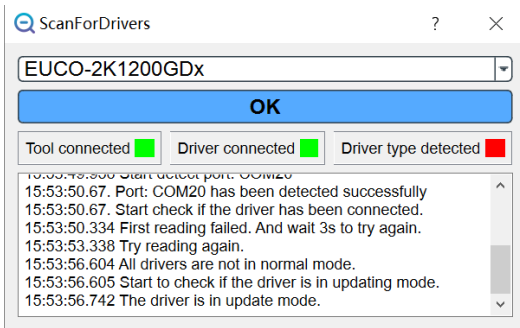
Broadcast:

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

Step2: Click “ OK” enter main GUI.



➤ 1.2 Open GUI

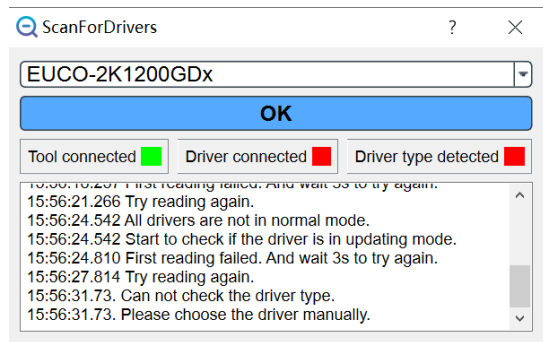


- ◆ State-> Tool connected
- ◆ State-> Driver connected
- ◆ State-> Driver type detected



1.Drvier 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.

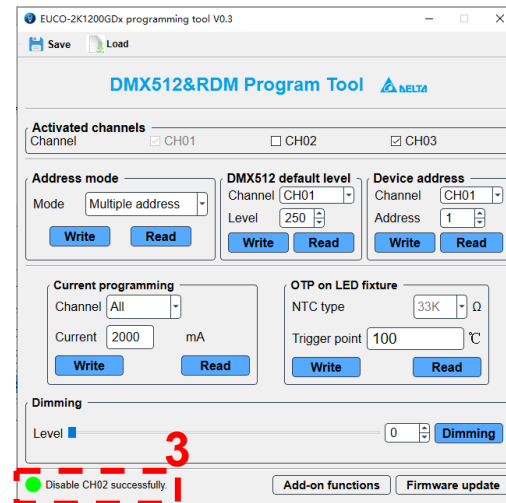
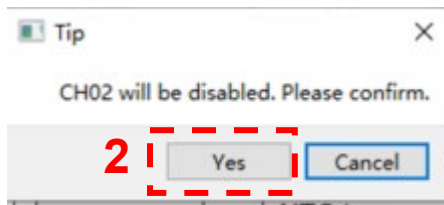
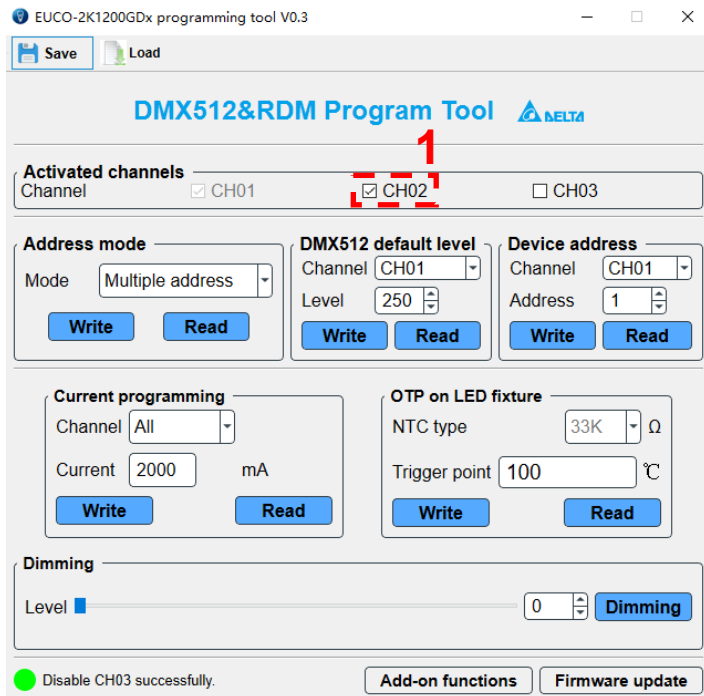
2.Regular function

➤ 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: ✗

DMX512&RDM Program Tool

Activated channels
Channel ☒ CH01 ☒ CH02 ☒ CH03

Address mode
Mode

DMX512 default level
Channel
Level

Device address
Channel
Address

Current programming
Channel
Current mA

OTP on LED fixture
NTC type Ω
Trigger point °C

Dimming
Level

Disable CH02 successfully.

Tip

CH02 will be enabled. Please confirm.

2

DMX512&RDM Program Tool

Activated channels
Channel ☒ CH01 ☒ CH02 ☒ CH03

Address mode
Mode

DMX512 default level
Channel
Level

Device address
Channel
Address

Current programming
Channel
Current mA

OTP on LED fixture
NTC type Ω
Trigger point °C

Dimming
Level

Enable CH02 successfully. **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

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

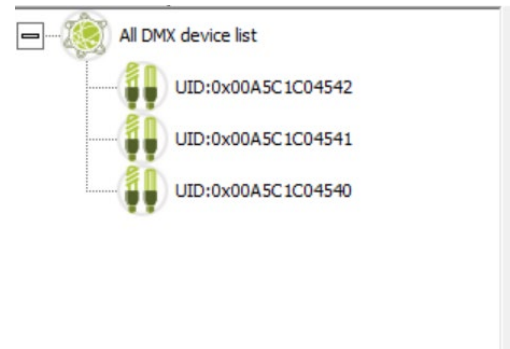
Level 0 Dimming

Write successfully 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. The title bar says 'DMX512&RDM Program Tool' with the DELTA logo. A red '1' is placed next to the 'Operating mode' section. In this section, the 'Mode' is set to 'Multiple address' and 'CH01' is selected. The 'Read' button is highlighted with a red dashed box. Below this, there are sections for 'DMX512 default level' (Level: 252, Write/Read buttons), 'Device address' (Address: 4, Write/Read buttons), 'Current programming' (Channel: All, Current: 2000 mA, Write/Read buttons), 'OTP on LED fixture' (NTC type: 33K Ω, Trigger point: 100 °C, Write/Read buttons), and 'Dimming' (Level: 0, Dimming button). At the bottom, a red dashed box highlights the status 'Read successfully' with a green circle and a red '2' next to it. There are also 'Add-on functions' and 'Firmware update' buttons at the bottom.

➤ 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 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:** 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:** Includes an 'Address' dropdown set to '4' and 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' input field 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 field set to '100' $^{\circ}\text{C}$, and 'Write' and 'Read' buttons.
- Dimming:** Includes 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

Save Load

DMX512&RDM Program Tool

Operating mode
Mode Single address CH01 Write Read

DMX512 default level
Level 252 Write Read 1

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 $^{\circ}\text{C}$ Write Read

Dimming
Level 0 Dimming

Read successfully 2 Add-on functions Firmware update

- ◆ 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. At the top, there are 'Save' and 'Load' buttons. Below is the 'Operating mode' section with a 'Mode' dropdown set to 'Single address' and a 'CH01' dropdown. To the right are 'Write' and 'Read' buttons. Below this is the 'DMX512 default level' section with a 'Level' dropdown set to '252' and 'Write'/'Read' buttons. To the right is the 'Device address' section with an 'Address' dropdown set to '4' and 'Write'/'Read' buttons. A red dashed box labeled '1' highlights the 'Write' button in the 'Device address' section. Below these are 'Current programming' and 'OTP on LED fixture' sections, each with 'Write'/'Read' buttons. At the bottom is a 'Dimming' section with a 'Level' slider and a 'Dimming' button. A red dashed box labeled '2' highlights a green circle icon and the text 'Write successfully' at the bottom left. At the bottom right are 'Add-on functions' and 'Firmware update' buttons.

◆ 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 top bar shows 'Settings', 'RDM', 'RDM Patcher', 'DMX Monitor', and 'DMX Console'. Below the bar is a 'Refresh' button. The main area displays 'Delta Electronics, Inc., EUCO-2K1200GDA'. On the right, there are expandable sections: 'Boot Software Version', 'Communication Status', 'DMX Personality', and 'DMX Start Address'. The 'DMX Start Address' section is expanded, showing 'DMX Start Address' set to '4'. At the bottom right are 'Refresh' and 'Save' buttons.

➤ 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: ✕

Save Load

DMX512&RDM Program Tool

Operating mode

Mode: Single address CH01 Write Read

DMX512 default level

Level: 252 Write Read

Device address

Address: 4 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

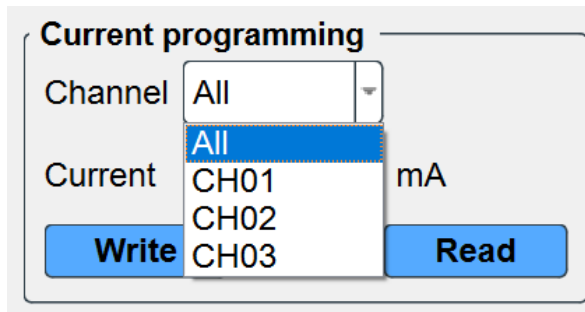
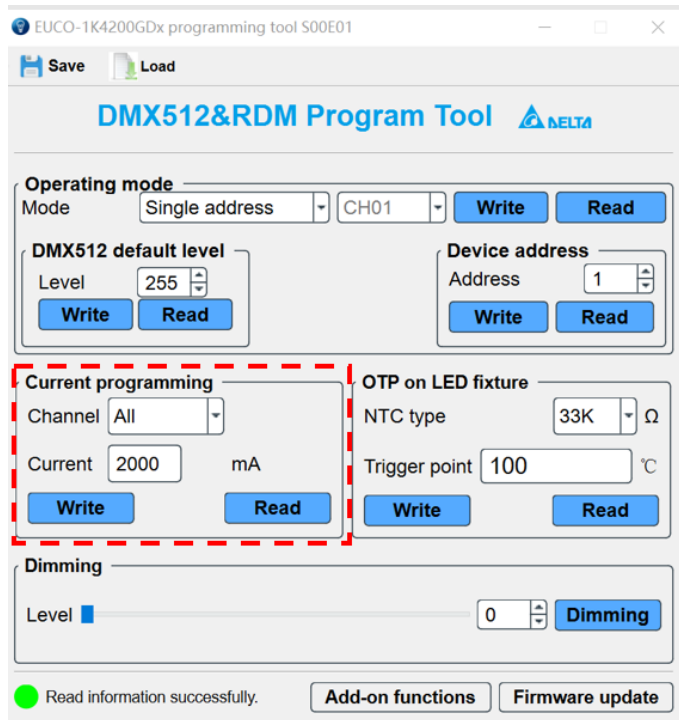
Dimming

Level: 0 Dimming

Read successfully

Add-on functions 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 bar. The main interface is divided into several sections: 'Operating mode' with a dropdown set to 'Single address' and a 'CH01' dropdown, with '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', a 'Current' input set to '2000' mA, and 'Write' and 'Read' buttons. The 'Read' button in the 'Current programming' section is highlighted with a red dashed box and a red '1'. Below this is the 'Dimming' section with 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', 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 the title bar, the 'Operating mode' section has 'Mode' set to 'Multiple address' and 'CH01', with 'Write' and 'Read' buttons. The 'DMX512 default level' section has 'Level' set to '255' with 'Write' and 'Read' buttons. The 'Device address' section has 'Address' set to '1' with 'Write' and 'Read' buttons. The 'Current programming' section has 'Channel' set to 'All' and 'Current' set to '1200 mA', with 'Write' and 'Read' buttons. The 'OTP on LED fixture' section has 'NTC type' set to '33K Ω' and 'Trigger point' set to '100 °C', with 'Write' and 'Read' buttons. The 'Write' button in the 'OTP on LED fixture' section is highlighted with a red dashed box and a red '1' below it. At the bottom, the 'Dimming' section has 'Level' set to '0' with a 'Dimming' button. A status bar at the bottom shows a green circle, the text 'Write OTP successfully.', a red dashed box with a red '2', and buttons for 'Add-on functions' and 'Firmware update'.

Save Load

DMX512&RDM Program Tool DELTA

Operating mode
Mode Multiple address CH01 Write Read

DMX512 default level
Level 255 Write Read

Device address
Address 1 Write Read

Current programming
Channel All Current 1200 mA Write Read

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

Dimming
Level 0 Dimming

Write OTP successfully. 2 Add-on functions 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 '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' dropdown set to '252' and 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' dropdown 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 set to '0' and a 'Dimming' button.

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

➤ 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.

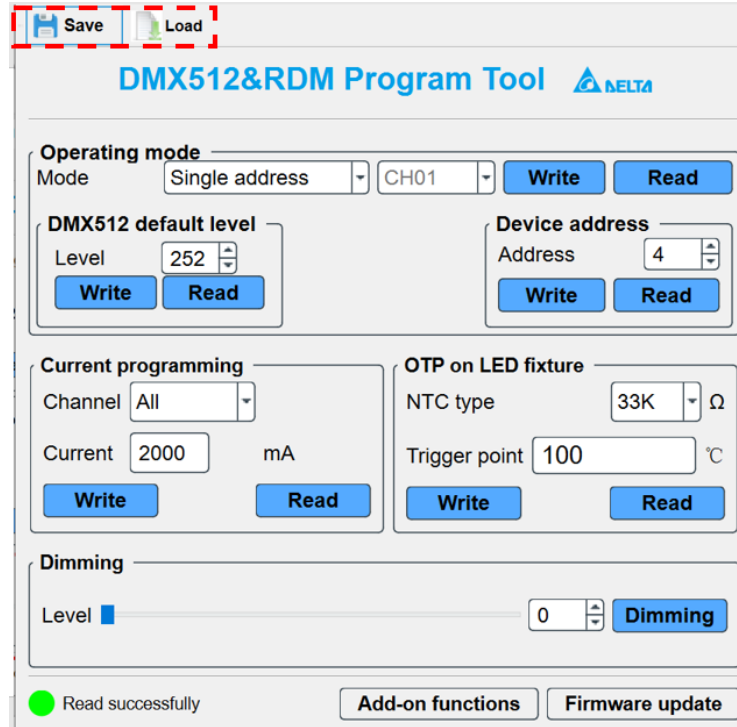
The screenshot displays the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' buttons. The title bar includes the tool name and the DELTA logo. The interface is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Single address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** Features a 'Level' spinner set to 252, with 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' spinner set to 4, with 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' spinner 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' spinner set to 100 $^{\circ}\text{C}$, and 'Write' and 'Read' buttons.
- Dimming:** This section is highlighted with a red dashed border. It includes a 'Level' slider and a 'Dimming' button.

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

➤ 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.



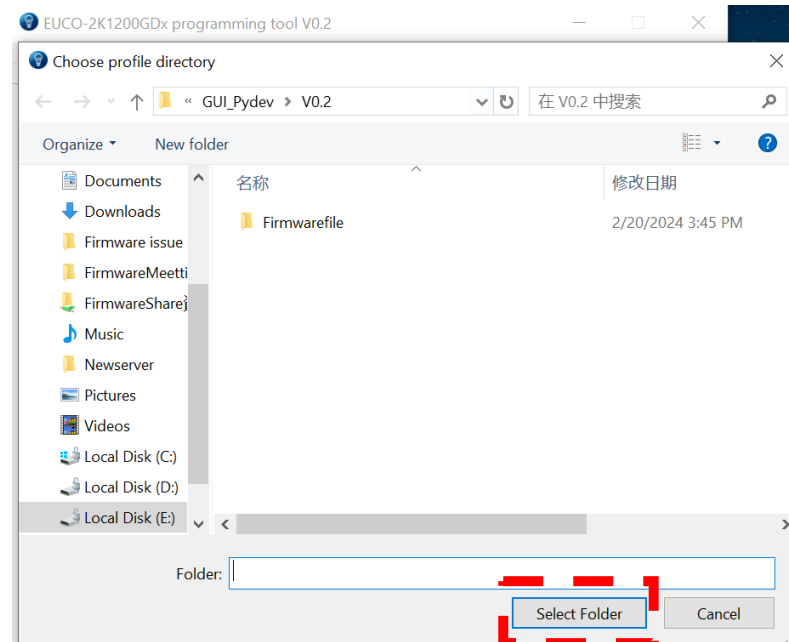
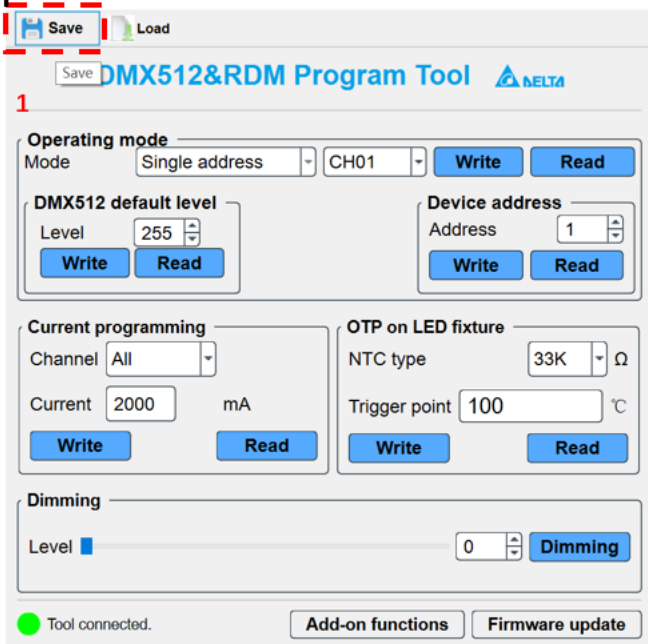
The screenshot displays the 'DMX512&RDM Program Tool' interface. At the top, a red dashed box highlights the 'Save' and 'Load' buttons. The main interface is divided into several sections:

- 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 green status indicator labeled '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.

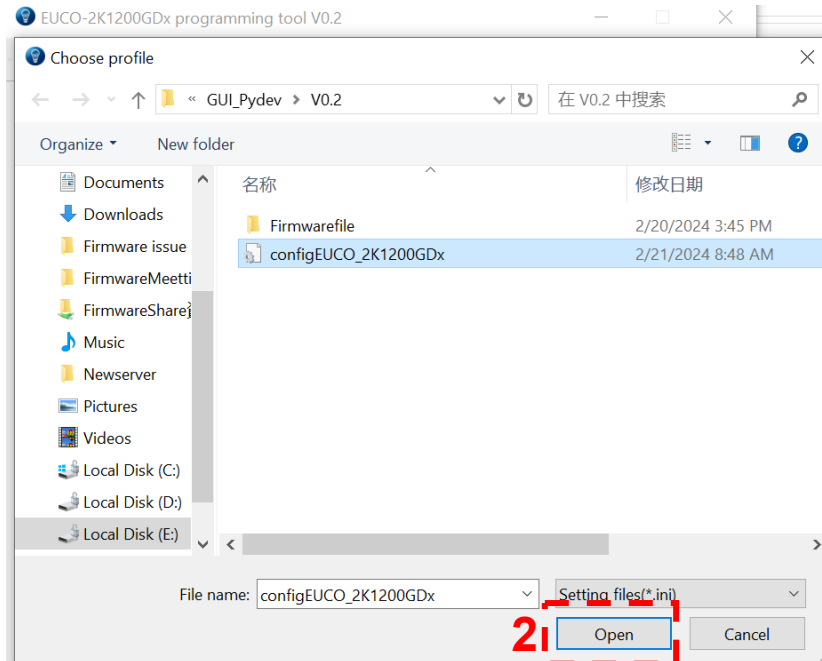
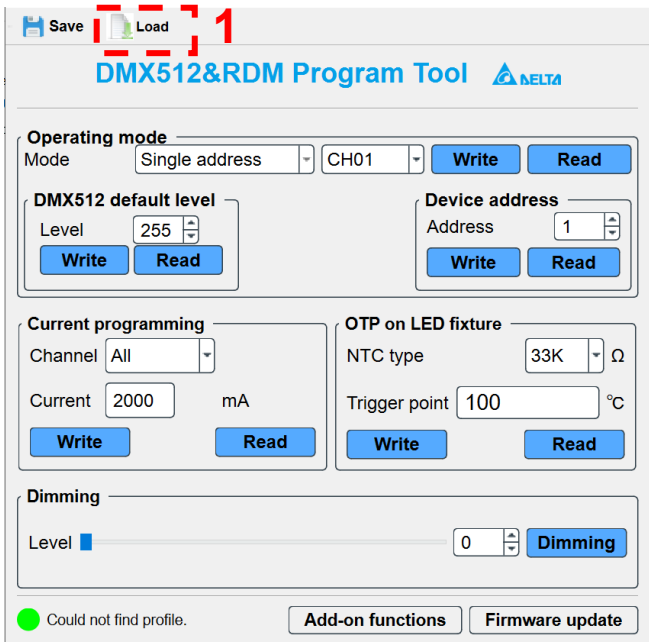


Saved file

<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

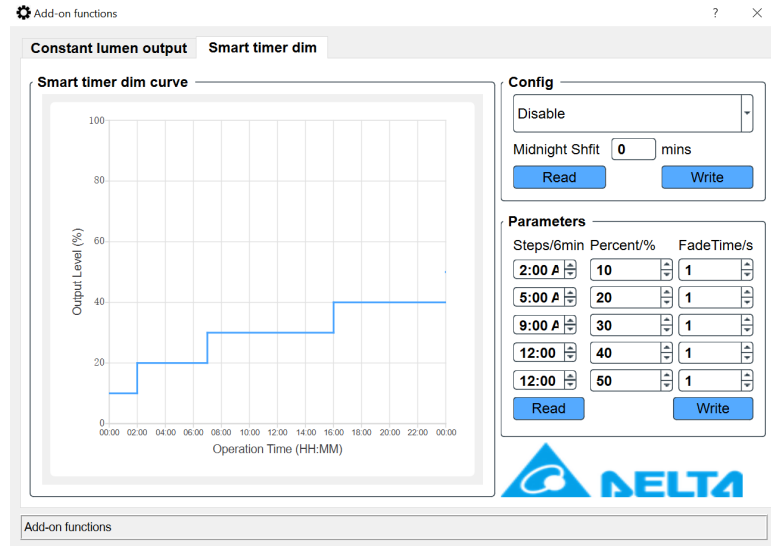
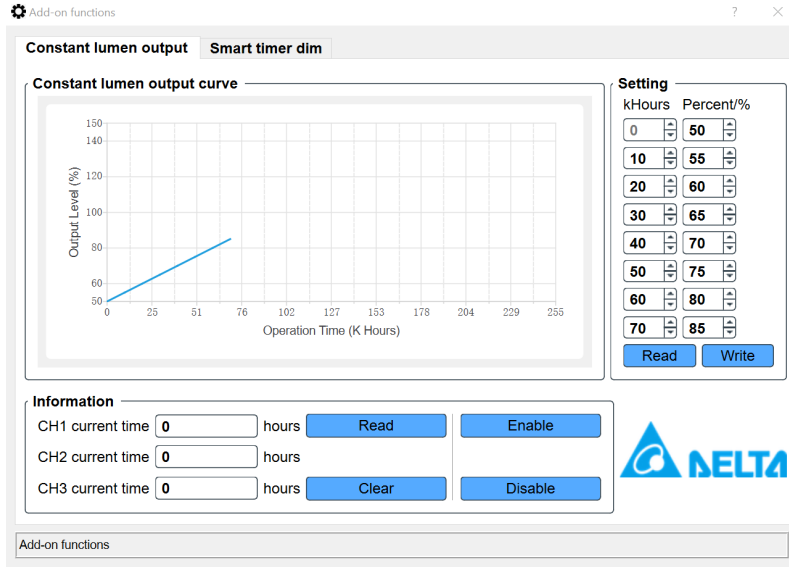
Step1: Click “Load” button. Then choose the saved profile. Click “Open”. The profile will be loaded.



3.Add on functions

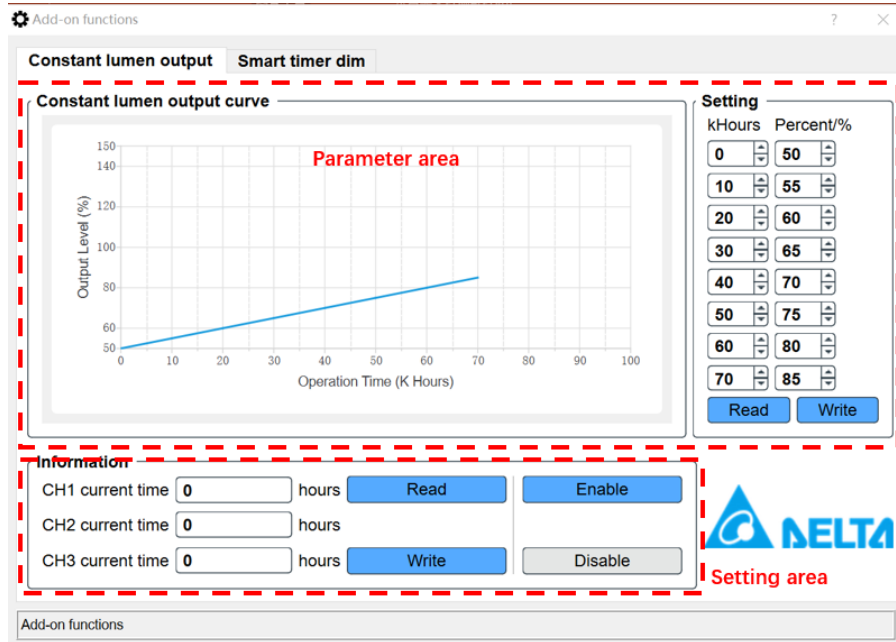
➤ 3 Add on functions

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 darker 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.

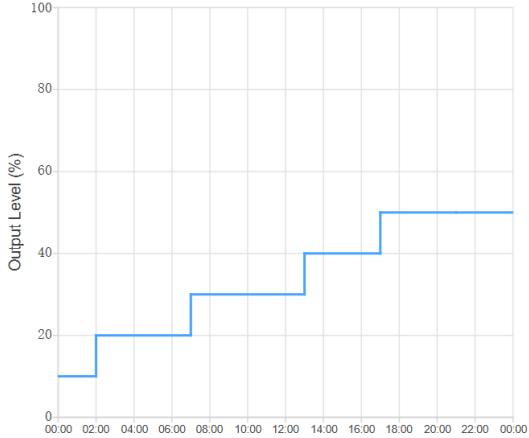
➤ 3.2 Smart timer dim

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

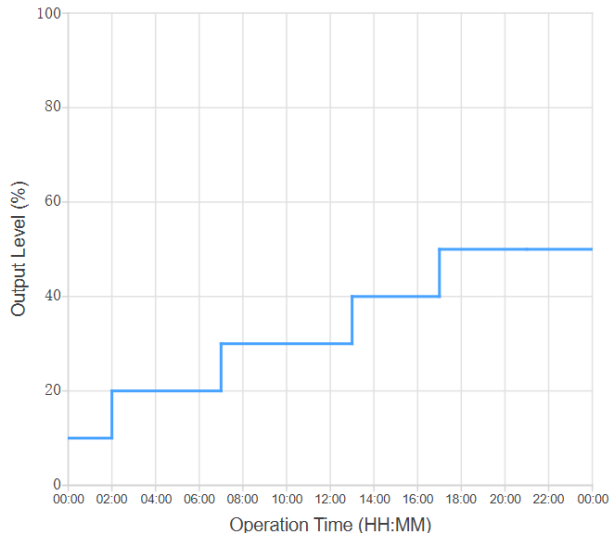
➤ 3.2 Smart timer dim: Fixed timer

⚙ 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%.

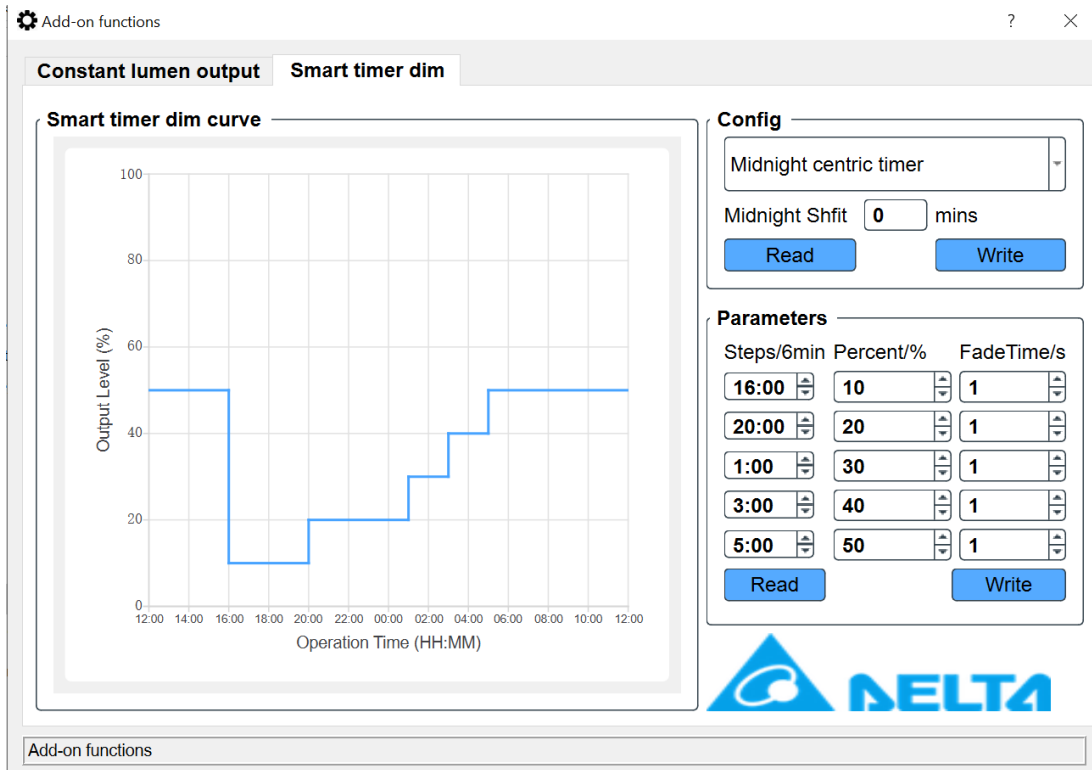
Time step2:**5:00** means 5hours, 02:00->07:00 dim to 20% .

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% .

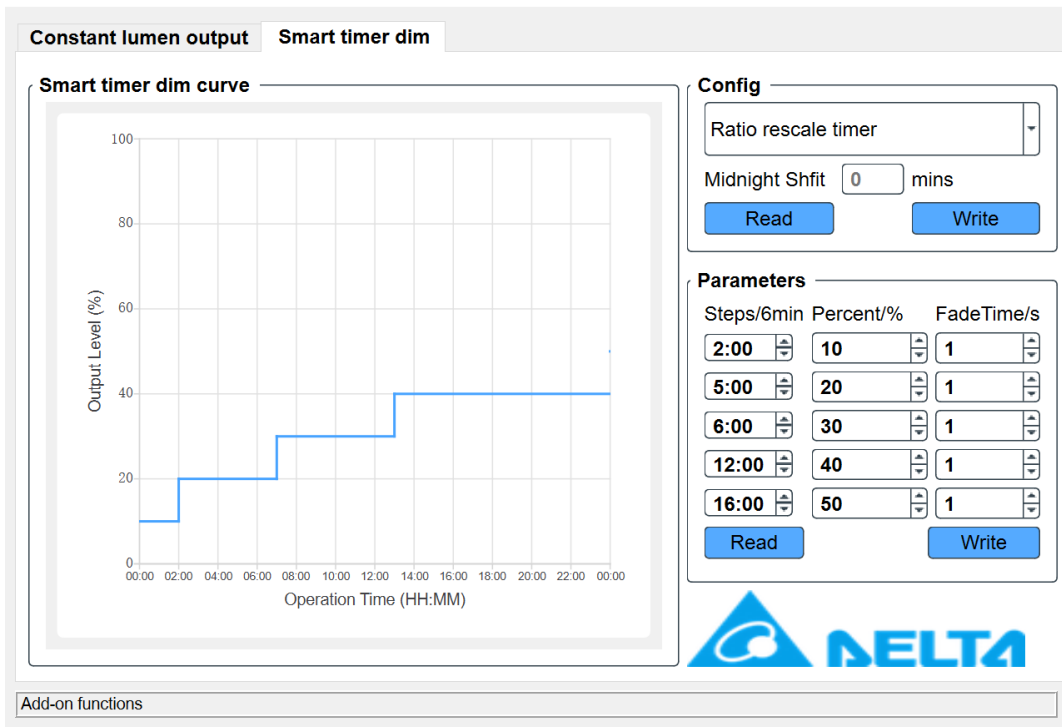
➤ 3.2 Smart timer dim: Midnight centric timer



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%

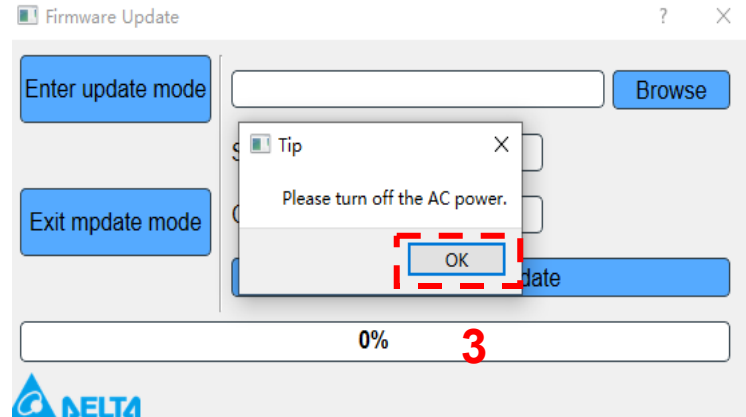
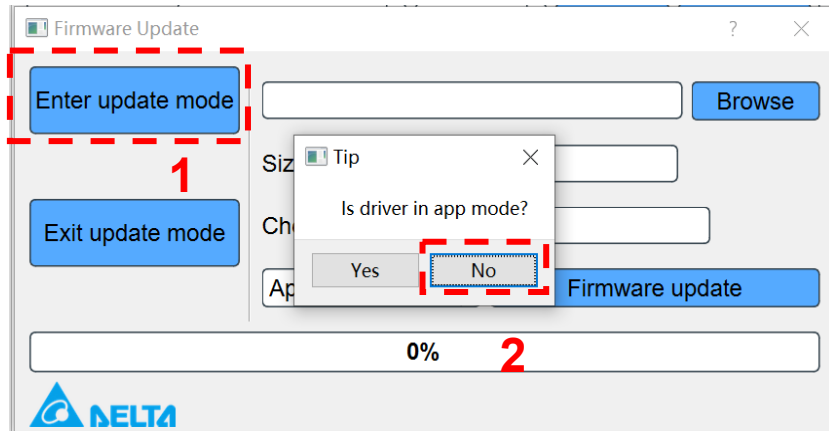


Click the “Firmware update” button will active the firmware update function.

➤ 4.1 Enter update mode: AC power off

Step1: click the button “Enter update mode”.

Step2: Click button “OK”

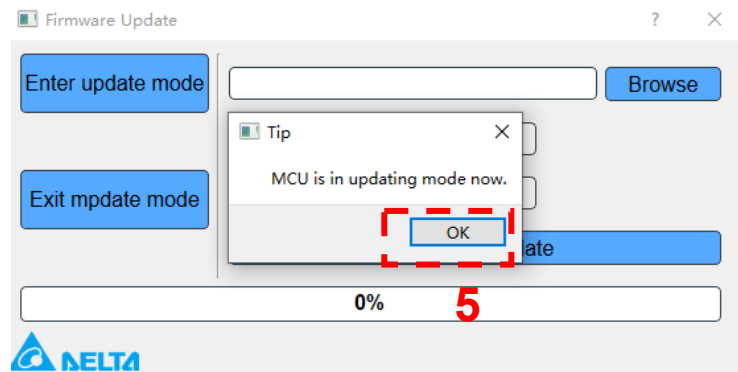
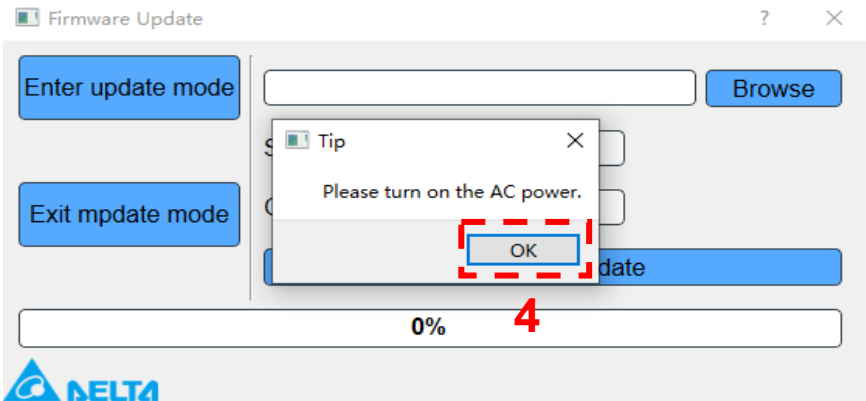


Step3: Power off the driver. Then click the button “OK”

➤ 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

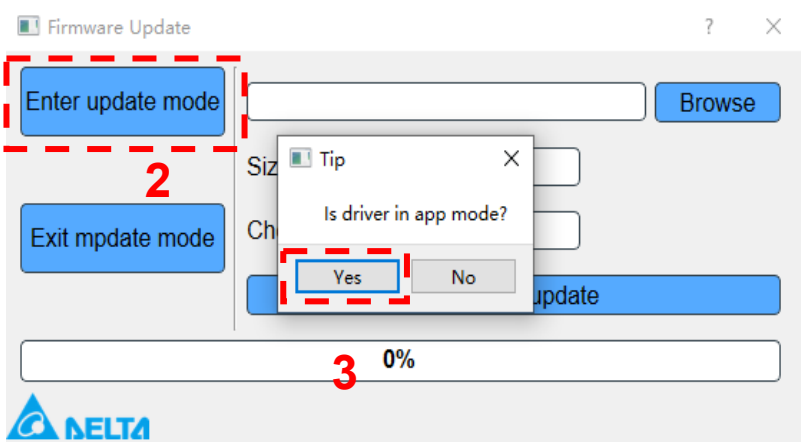
The screenshot shows the 'DMX512&RDM Program Tool' interface. At the top, there are 'Save' and 'Load' icons. The title bar reads 'DMX512&RDM Program Tool' with the DELTA logo. The main area is divided into several sections:

- Operating mode:** Includes a 'Mode' dropdown set to 'Single address', a 'CH01' dropdown, and 'Write' and 'Read' buttons.
- DMX512 default level:** Includes a 'Level' dropdown set to '255' and 'Write' and 'Read' buttons.
- Device address:** Includes an 'Address' dropdown set to '1' and 'Write' and 'Read' buttons.
- Current programming:** Includes a 'Channel' dropdown set to 'All', a 'Current' input field 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 field 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 green status indicator labeled 'Tool connected.', and two buttons: 'Add-on functions' and 'Firmware update'.

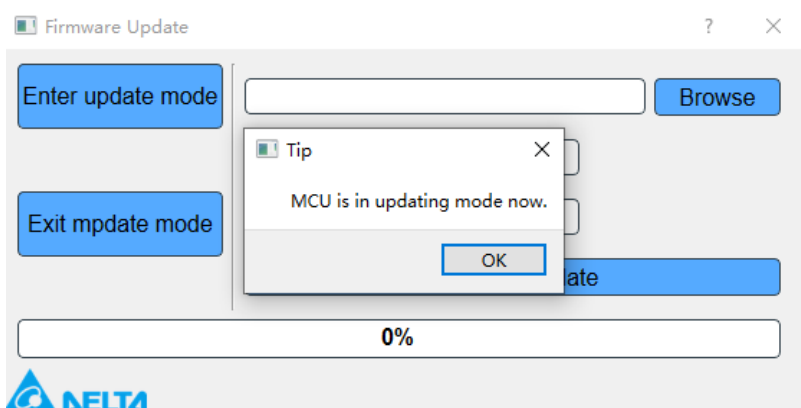
Step1 : Check communication. Click any “Read” button in the main GUI. The status in the bottom line shows “Read successfully”.

➤ 4.1 Enter update mode: Normal app mode



Step2: Click button “Enter update mode”

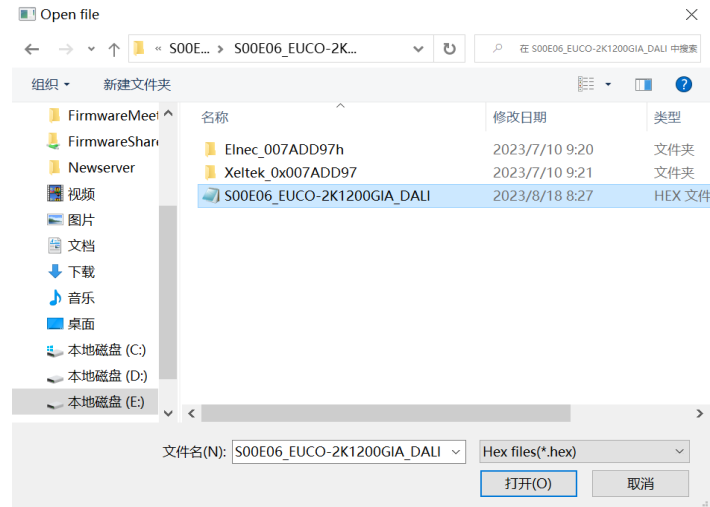
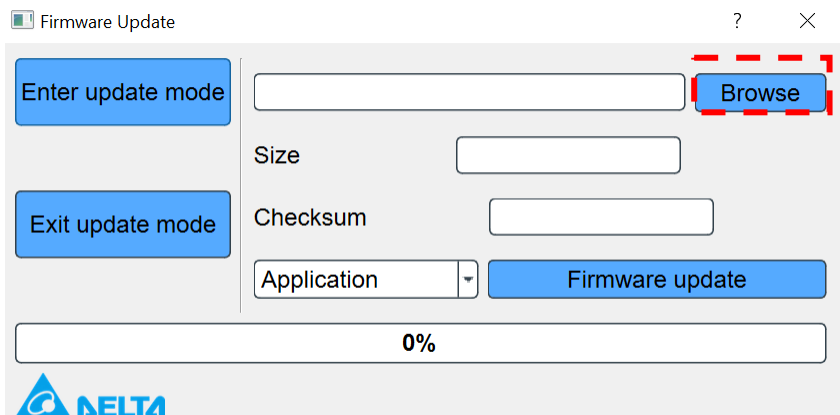
Step3: Click button “Yes”



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.

Firmware Update

Enter update mode

00E06_EUCO-2K1200GIA_DALI.hex


Browse

Size 45976bytes

Checksum 0x3dc2b8

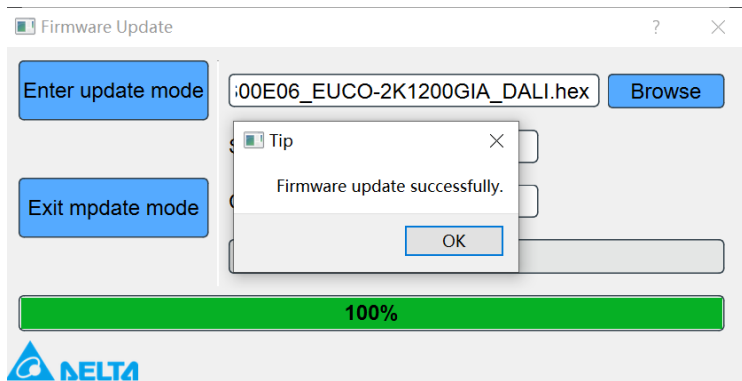
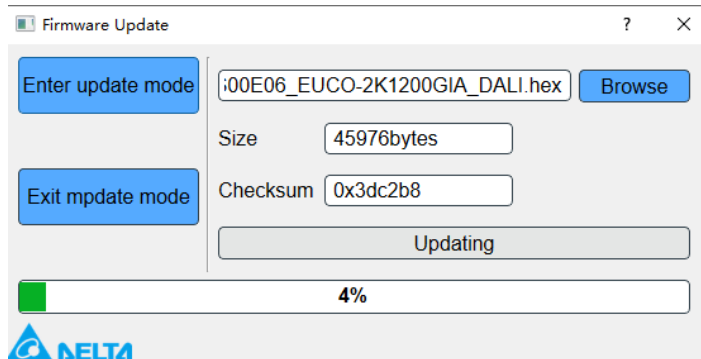
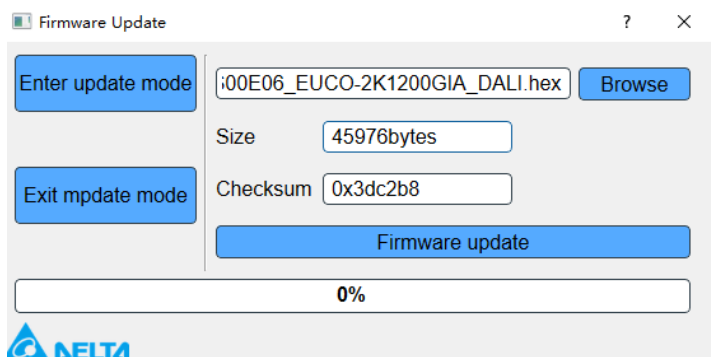
Firmware update

0%

 DELTA

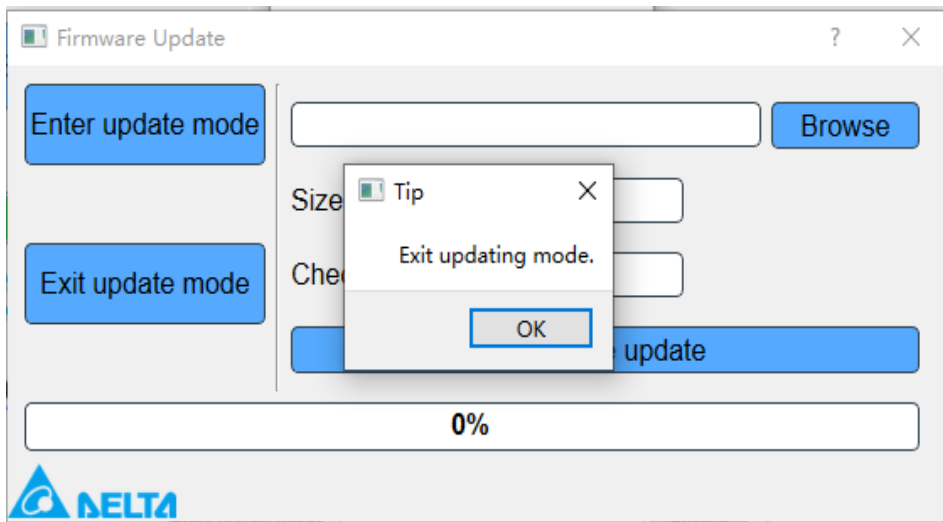
➤ 4.3 Updating the firmware

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.