CUPOWER

BORN TO BE LIGHT.

Instruction Manual

Box Programming

Content

1.Symbols in this article

The symbols used in this manual and their meanings are as follows:

"1." Indicates the number of the subdivided content after the content is subdivided, the content of different numbers belongs to the juxtaposition relationship, the number from 1 to increase in order.

"⇨" Indicates process progression, pointing from one process to the next in a complete flow.

"❗" Indicates something that need attention.

"→" Indicates the result that should be shown after completing a step. The arrow points from the specific operation to the result that should be produced.
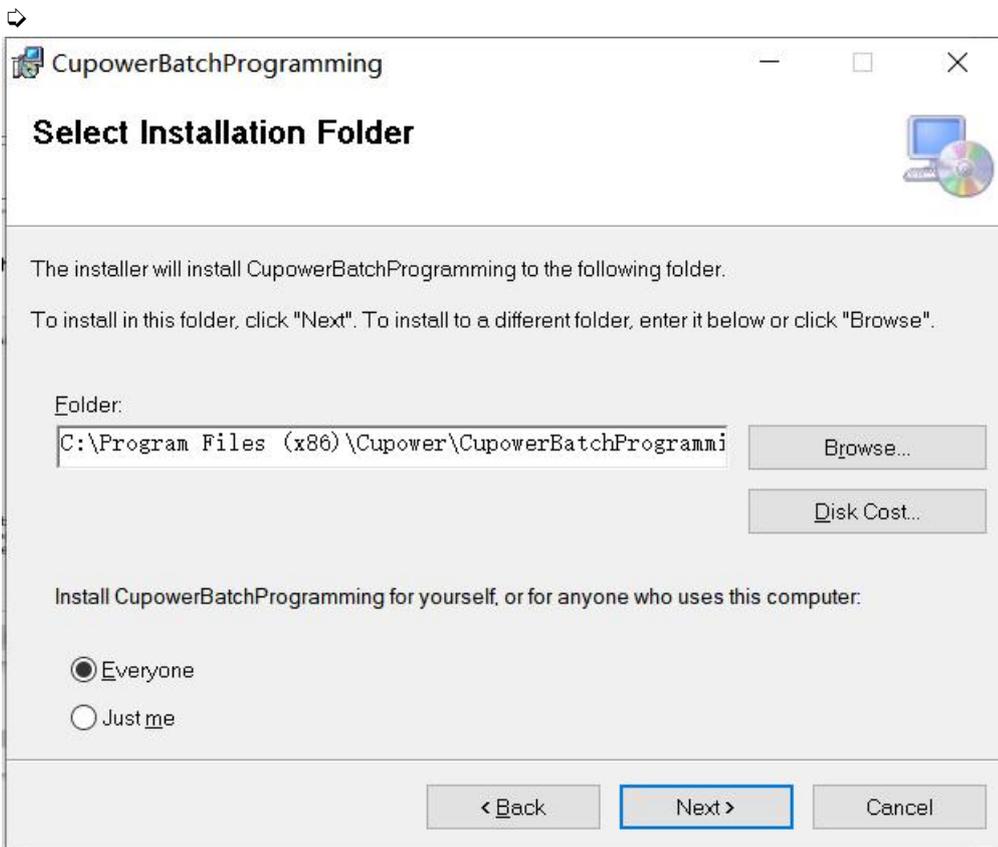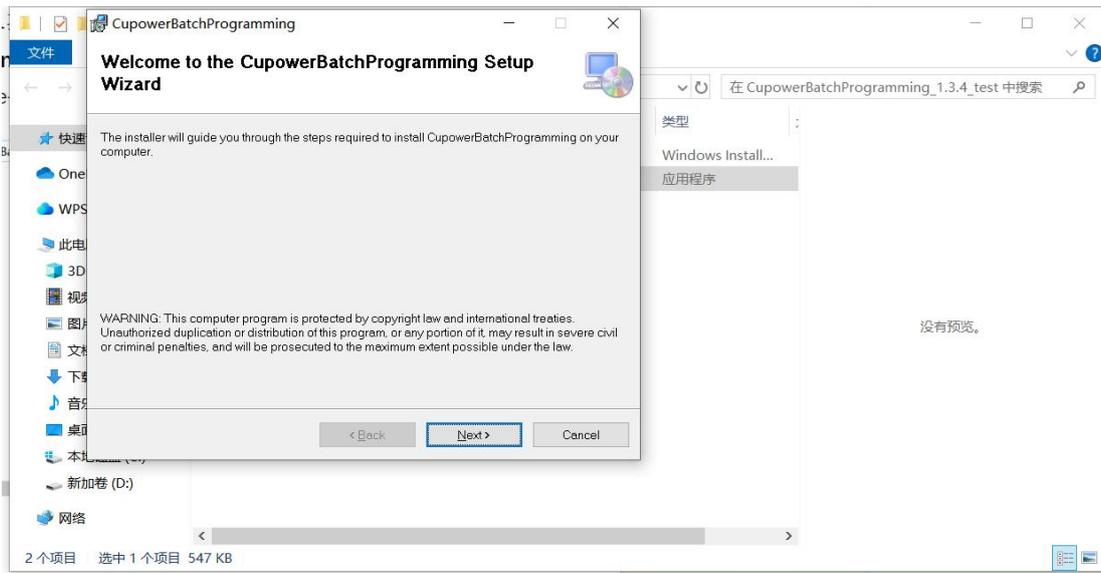
"✳" Indicates additions and notes to the foregoing.

2.Software Installation

Open the file→

名称 ∧	修改日期	类型	
CupowerBatchProgrammingSetup	2024/1/7 22:17	Windows Install...	
setup	2024/1/7 22:16	应用程序	

⇨double-click　setup　　　　　　　2024/1/7 22:16　　应用程序

→

⇨

⇨Click **Browse...** to choose where you want to install the software.

⇨Ready for installation→

CupowerBatchProgramming — ☐ ✕

Confirm Installation

The installer is ready to install CupowerBatchProgramming on your computer.

Click "Next" to start the installation.

‹ Back   Next ›   Cancel

⇨ Click [Next ›] to install the software.→

CupowerBatchProgramming — ☐ ✕

Installing CupowerBatchProgramming

CupowerBatchProgramming is being installed.

Please wait...

‹ Back   Next ›   Cancel

➪Wait for the installation→

CupowerBatchProgramming   —   □   ✕

Installation Complete

CupowerBatchProgramming has been successfully installed.

Click "Close" to exit.

Please use Windows Update to check for any critical updates to the .NET Framework.

< Back   Close   Cancel

➪Click [Close] to close the installation interface.

3.Introduction to the interface

① **XML:** E:\XML文件\30W-350mA.xml

Driver type: **Driver name:**
DALI-NFC   ID CCCB 30/230/350-850 DT8 NFC FV1

③ CUPOWER

② ☑ Auto   30
Detect 🔍
Details ▦

→
Ready

Auto ♻   Manual 👆

Detected   **0**

Pass   **0**

Fail   **0**

Clear 🗑

The ①, ②, ③ notes in the figure is as follows.

①: Location of XML file and information of drivers that need to be programmed.

a.The path where the XML file is saved will be shown here as follows:

XML: E:\XML文件\30W-350mA.xml

b.The driver type will be shown here as follows:

Driver type:

DALI-NFC

c.The driver name will be shown here as follows:

Driver name:

ID CCCB 30/230/350-850 DT8 NFC FV1

②: Operator interface ,access to the detection and selection of the programming method.

a.Detection

Click **Detect** to start to search for drivers.

b.Details

Click **Details** to enter the batch number and quantity.

c.Auto

Click **Auto** to choose the Auto programming. The working method of this model is shown in VI.Burning methods.

d.Manual

Click **Manual** to choose the Manual programming. The working method of this model is shown in VI.Burning methods.

e.Limitations on the number of burns

☑ Auto 30

Select whether to limit the number of burns in the box, and the number of burns is filled in on the horizontal line.

If unchecked, the quantity recognised must match the quantity entered to be configured, otherwise it will prompt that the quantity does not match the quantity recognised. If auto is ticked, the configuration starts after the quantity recognised is the same for 3 consecutive times.

③: Quantitative statistics interface

a.The number of detected drivers, successfully programmed drivers (Pass) and failed drivers(Fail) are shown here.

b.If you want to clear the current data, just click .

4.Devices and connection

4.1 Devices

①Amplifier ID ISC.LR1002

Box Programming's master,as shown in the figure below.

②Antenna ID ISC.ANT/310/310

Antennas for sending and receiving information, as shown in the figure below.
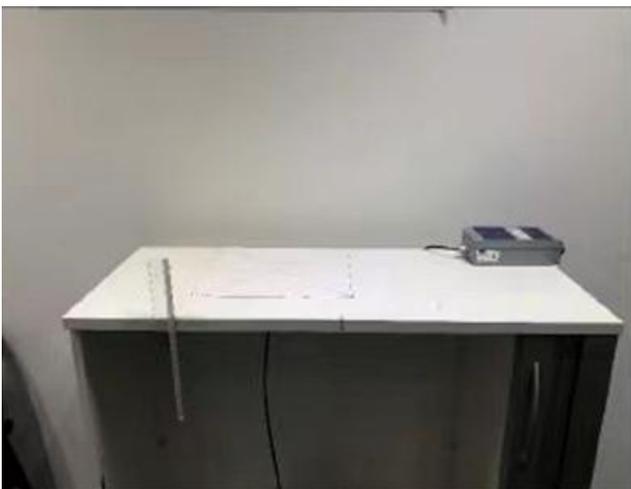
③Antenna mouting

Shelf to support the antenna,as shown in the figure below.

④Working plate with orientation

Drivers to burn on this plate,as shown in the figure below.

✱The thinner the work plate, the better, more favorable to the antenna signal transmission.

✱The above pictures are for reference only, the specifications and precautions need to be confirmed with the equipment supplier.
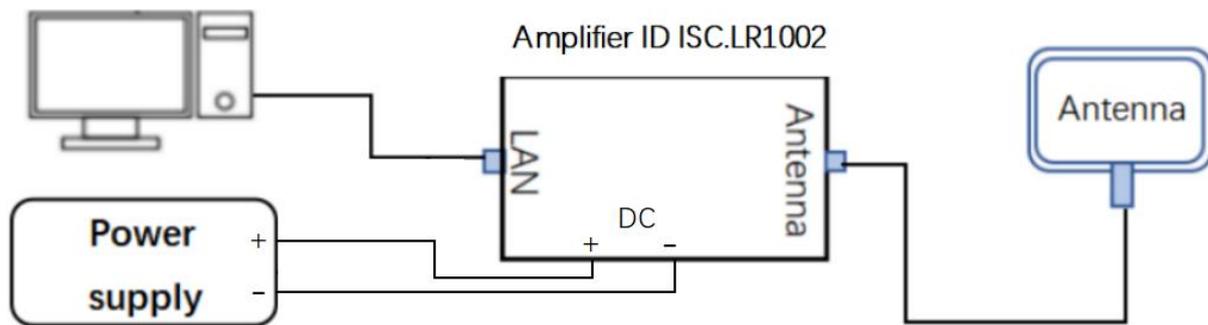
⑤Operating computer

win7/win10/ win11 computers with downloaded software.

⑥Box for the drivers

Box for placing the driver during burn-in.

4.2 Connection

The connection schematic is shown below.

✱There is a matching power adapter, which needs to be used in conjunction with the Amplifier ID ISC.LR1002.

5.Procedure

Place the driver in the box within the valid range of the antenna.

➪Open the software→

⇨ Click **Click to select XML** to select the XML file to be programed→After the file is imported,driver type and driver name will be imported automatically.

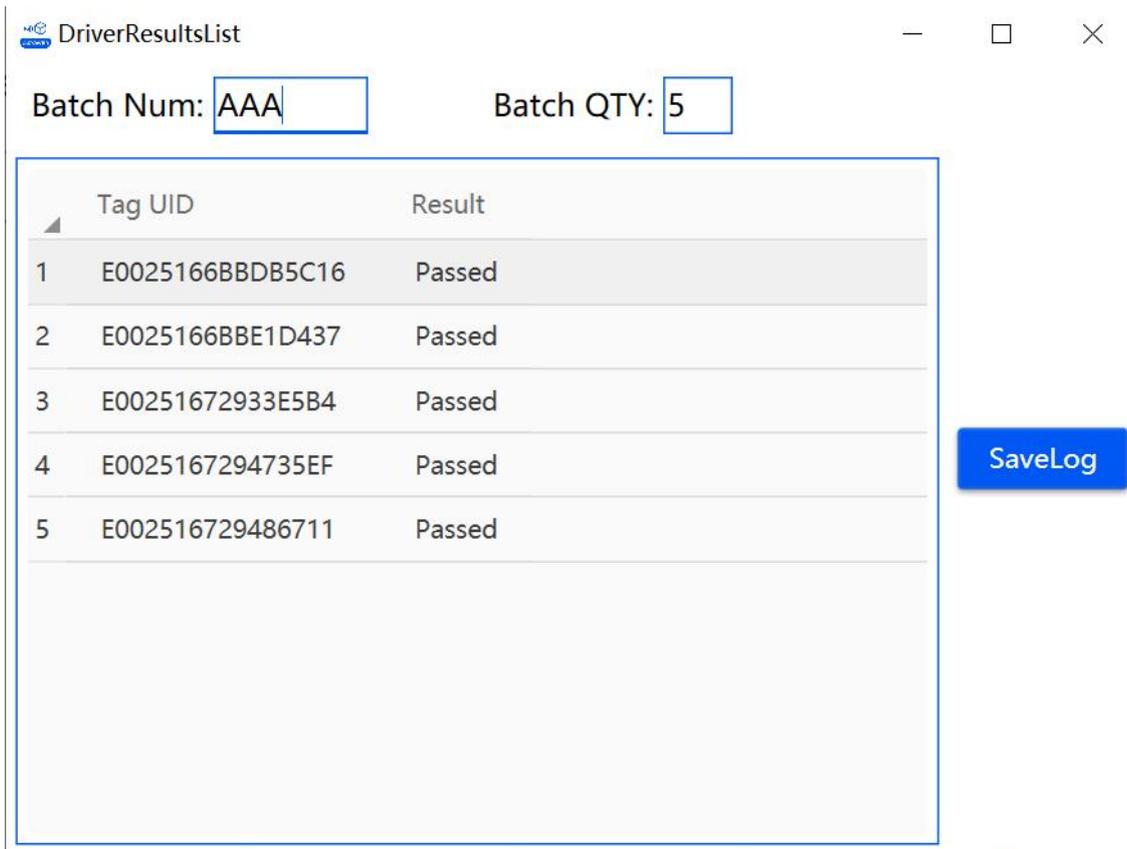⇨ Click **Detect** to detect drivers that need to be program.

⇨ Choose Auto or Manual burning mode to burn, the difference between the two modes and the operation mode can be introduced in chapter 6.

⇨ Waiting for programming to complete.

XML: E:\XML文件\30W-350mA.xml

Driver type:
DALI-NFC

Driver name:
ID CCCB 30/230/350-850 DT8 NFC FV1

☑ Auto 30

Detect 🔍

Details 📇

Programming and verifing

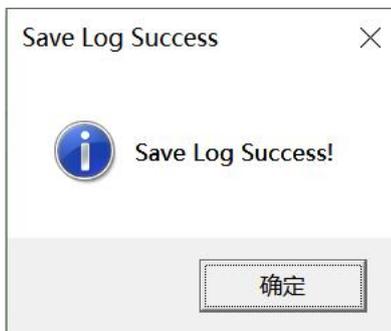Stop ↻   Manual 👆

Detected 5

Pass 1

Fail 0

Clear 🗑

XML: E:\XML文件\30W-350mA.xml

Driver type:
DALI-NFC

Driver name:
ID CCCB 30/230/350-850 DT8 NFC FV1

☑ Auto 30

Detect 🔍

Details 📇

Programme success

Stop ↻   Manual 👆

Detected 5

Pass 5

Fail 0

Clear 🗑

⇨ Click **Details 📇** to enter the batch number and quantity.

⇨Click [SaveLog] to save log.

→Done.

6.Burning methods

6.1 Auto

After placing the drivers in a valid range on the antenna, it will program automatically and continue to detect the drivers automatically when you put more drivers in the box.

The number of detected drivers on the right side: **Detected 0** will be updated

continuously, indicating the drivers that are currently being searched for by the antenna.You need to click **Stop** to stop when you want to stop the process.

6.2 Manual

After placing the drivers in a valid position on the antenna,after click **Manual**, it will programs drivers automatically that have already been placed , but puts in new drivers halfway through, the antenna won't repeat the detect automatically, and won't show the number of detected drivers in real time.

If you need to program new drivers, you need to rebox them and click **Manual** to start.

7.Box types and their usage

The outer box classification and its placement are shown in the table below.

Size	Placement	Driver's housing material
L97*W43*H30mm	One layer of 6 pcs Place, 4 layers of 24 pcs in total Flat (Flat cards are required between layers. Top and bottom are not required).	Plastic
L278*W30*H21mm	One layer of 4 pcs Place, 5 layers of 20 pcs in total and put them flat (flat cards are needed between layers, top and bottom are not needed).	Iron
L358*W30*H21mm	One layer of 4pcs Place 5 layers of 20 pcs in total and put them flat (flat cards are needed between layers, top and bottom are not needed).	Iron
L278*W30*H16mm	One layer of 4pcs Place, 5 layers of 20 pcs in total and put them flat (flat cards are	Iron

	needed between layers, top and bottom are not needed).	
L360*W30*H16mm	One layer of 4 pcs Place, 5 layers of 20 pcs in total and put them flat (flat cards are needed between layers, top and bottom are not needed).	Iron
L405*W29.5*H16mm	One layer of 4 pcs Place, 5 layers of 20 pcs in total and put them flat (flat cards are needed between layers, top and bottom are not needed).	Iron
L109*W43*H21mm	One layer of 6 pcs Place, 4 layers of 24 pcs in total Flat (Flat cards are required between layers. Top and bottom are not required).	Plastic

8.Matters need attention

⚠️The XML file must be adapted to the drivers or the auto program will terminate.

⚠️Drivers' antennas are as close to the center of the antenna coil as possible.

⚠️No metal can be placed within 50 cm of the antenna coil.

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