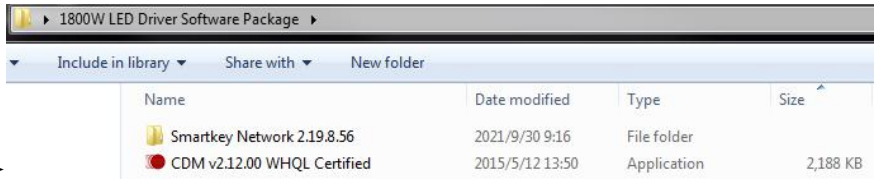
1800W LED Driver Software User Manual

The driver own DALI and DMX interface, ***default mode is DMX.***
User could switch mode by MOONS' software. Output current value is different in DALI and DMX mode. Recommend to remove LED lamps during programming driver stage. During programming, the driver should be electrified.

Software Package List

→decompressing file→



Main Steps:

1. Install programmer's USB driver

2. Complete hardware wiring

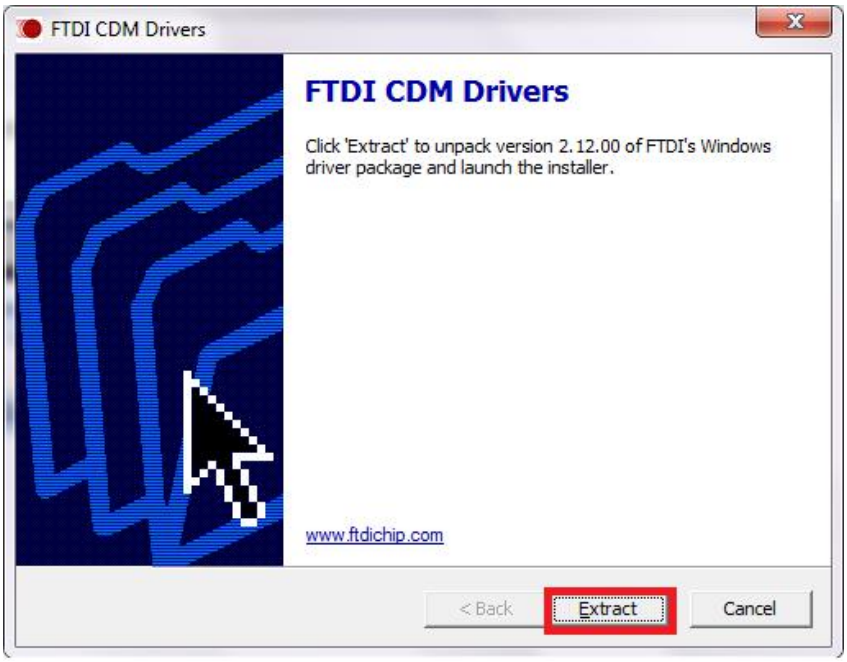
3. As DMX driver
   DMX programming interface and explanation, program driver under DMX mode

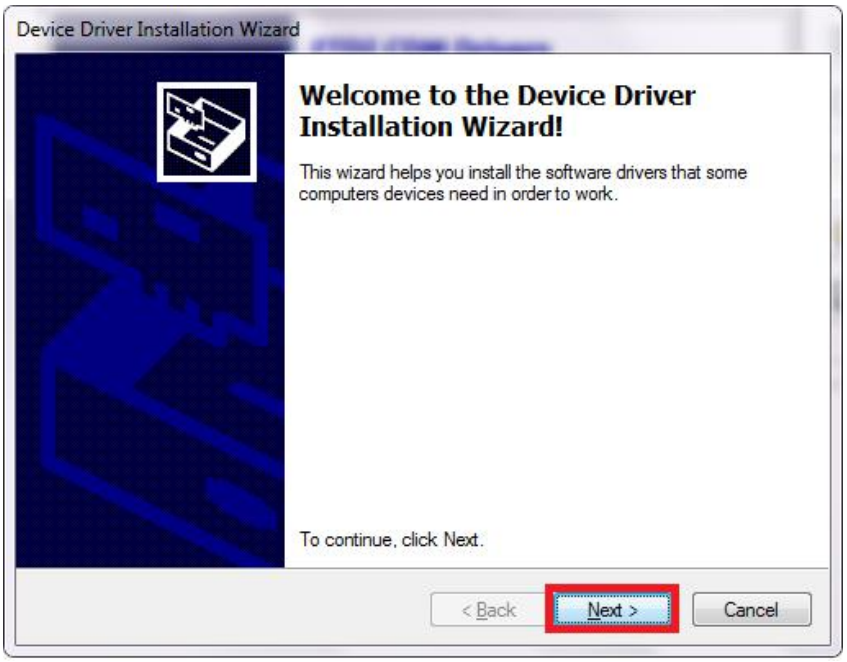
4. Switch DMX mode to DALI mode

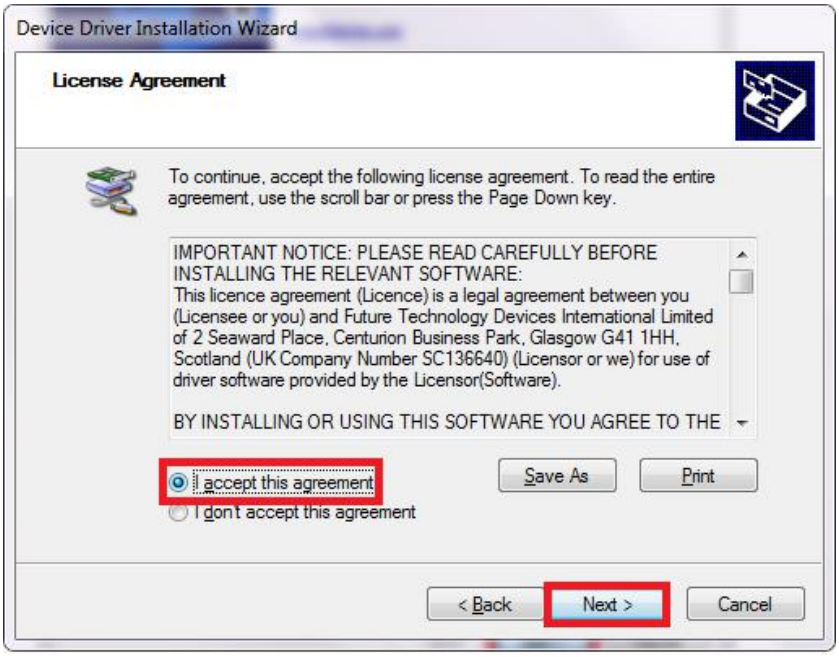
5. As DALI driver
   DALI programming interface and explanation, program driver under DALI mode

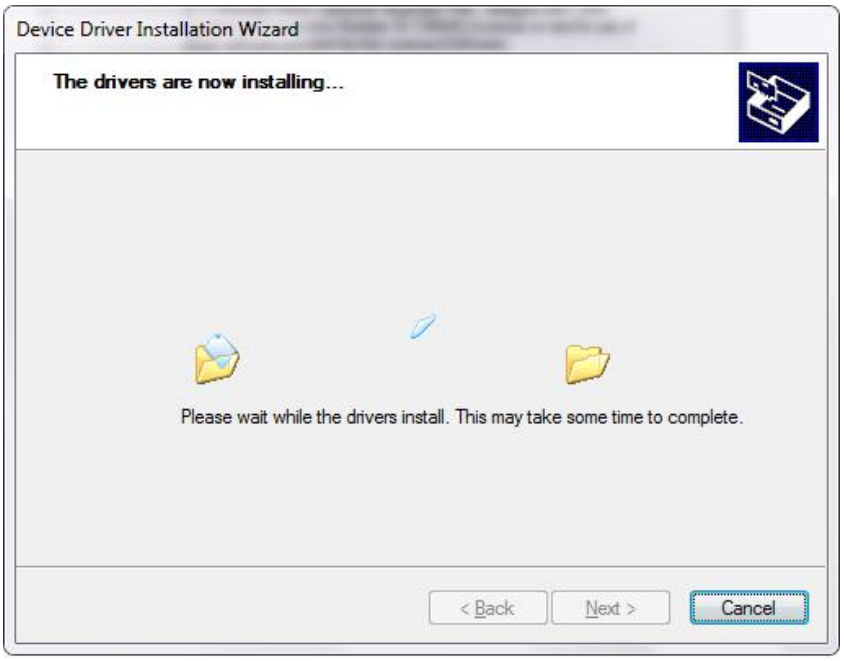
1. Install Programmer’s USB driver

Operate “CDM v2.12.00 WHQL Certified” as administrator.



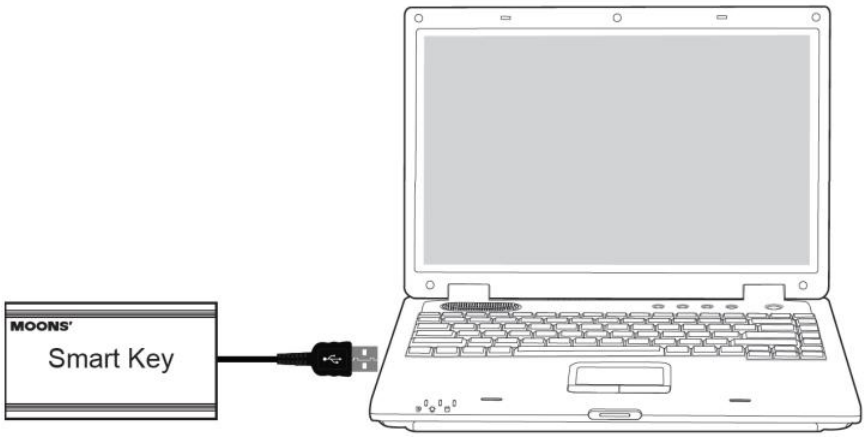


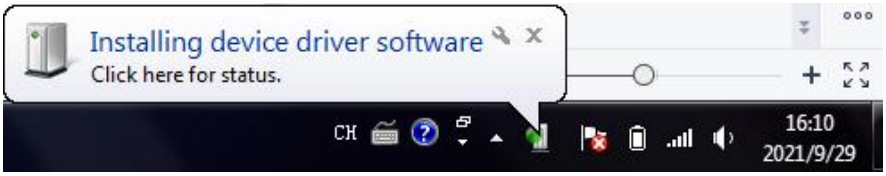

Device Driver Installation Wizard
License Agreement
To continue, accept the following license agreement. To read the entire agreement, use the scroll bar or press the Page Down key.
IMPORTANT NOTICE: PLEASE READ CAREFULLY BEFORE INSTALLING THE RELEVANT SOFTWARE:
This licence agreement (Licence) is a legal agreement between you (Licensee or you) and Future Technology Devices International Limited of 2 Seaward Place, Centurion Business Park, Glasgow G41 1HH, Scotland (UK Company Number SC136640) (Licensor or we) for use of driver software provided by the Licensor(Software).
BY INSTALLING OR USING THIS SOFTWARE YOU AGREE TO THE
I accept this agreement
I don't accept this agreement
Save As
Print
< Back
Next >
Cancel


Device Driver Installation Wizard
The drivers are now installing...
Please wait while the drivers install. This may take some time to complete.
< Back
Next >
Cancel

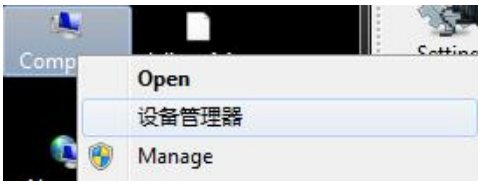
Device Driver Installation Wizard
Completing the Device Driver Installation Wizard
The drivers were successfully installed on this computer.
You can now connect your device to this computer. If your device came with instructions, please read them first.
Driver Name
Status
FTDI CDM Driver Packa...
Ready to use
FTDI CDM Driver Packa...
Ready to use
< Back
Finish
Cancel

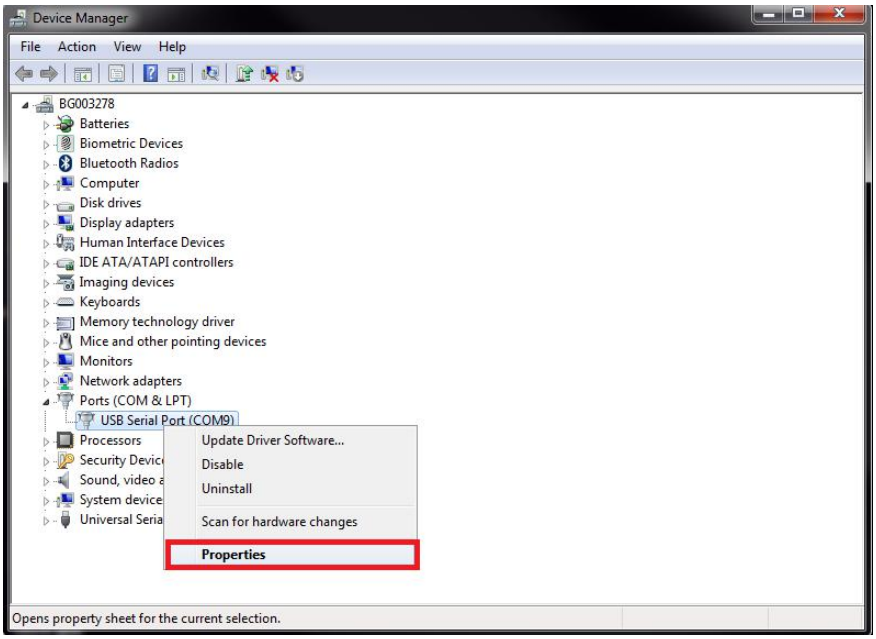
When programmer connect to PC's USB port, PC will cost few seconds to recognize programmer's port number.

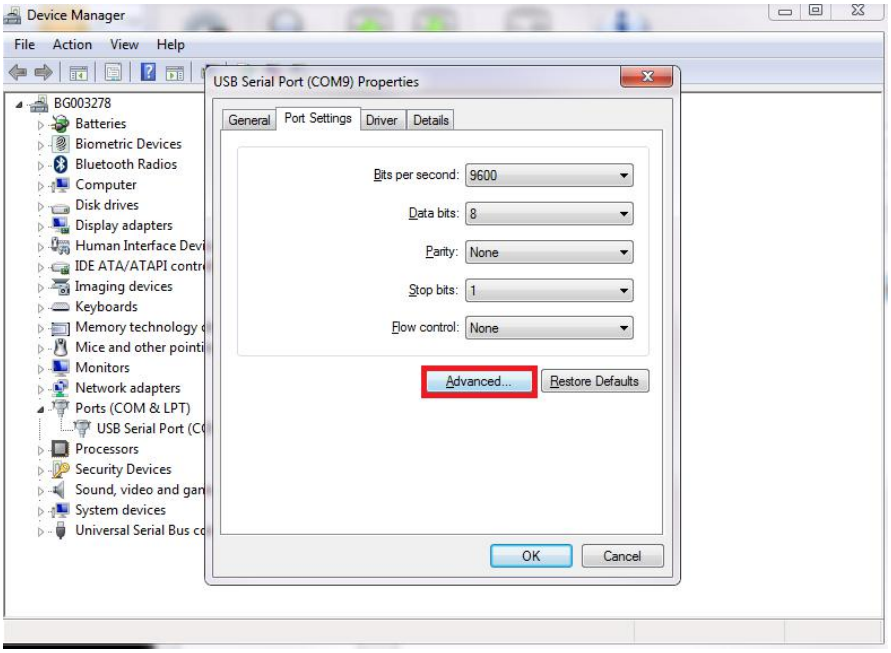


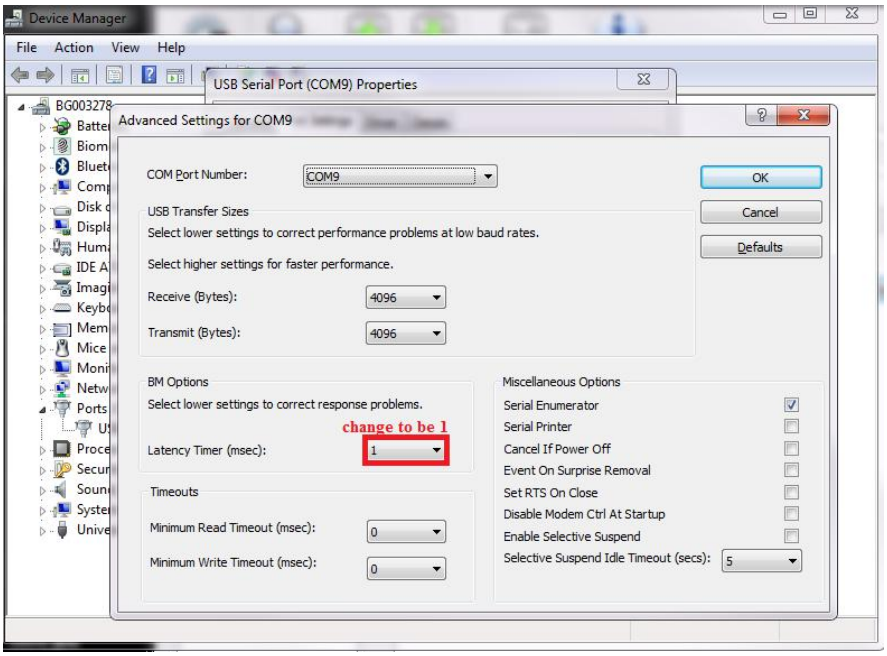


Next please enter computer manage device



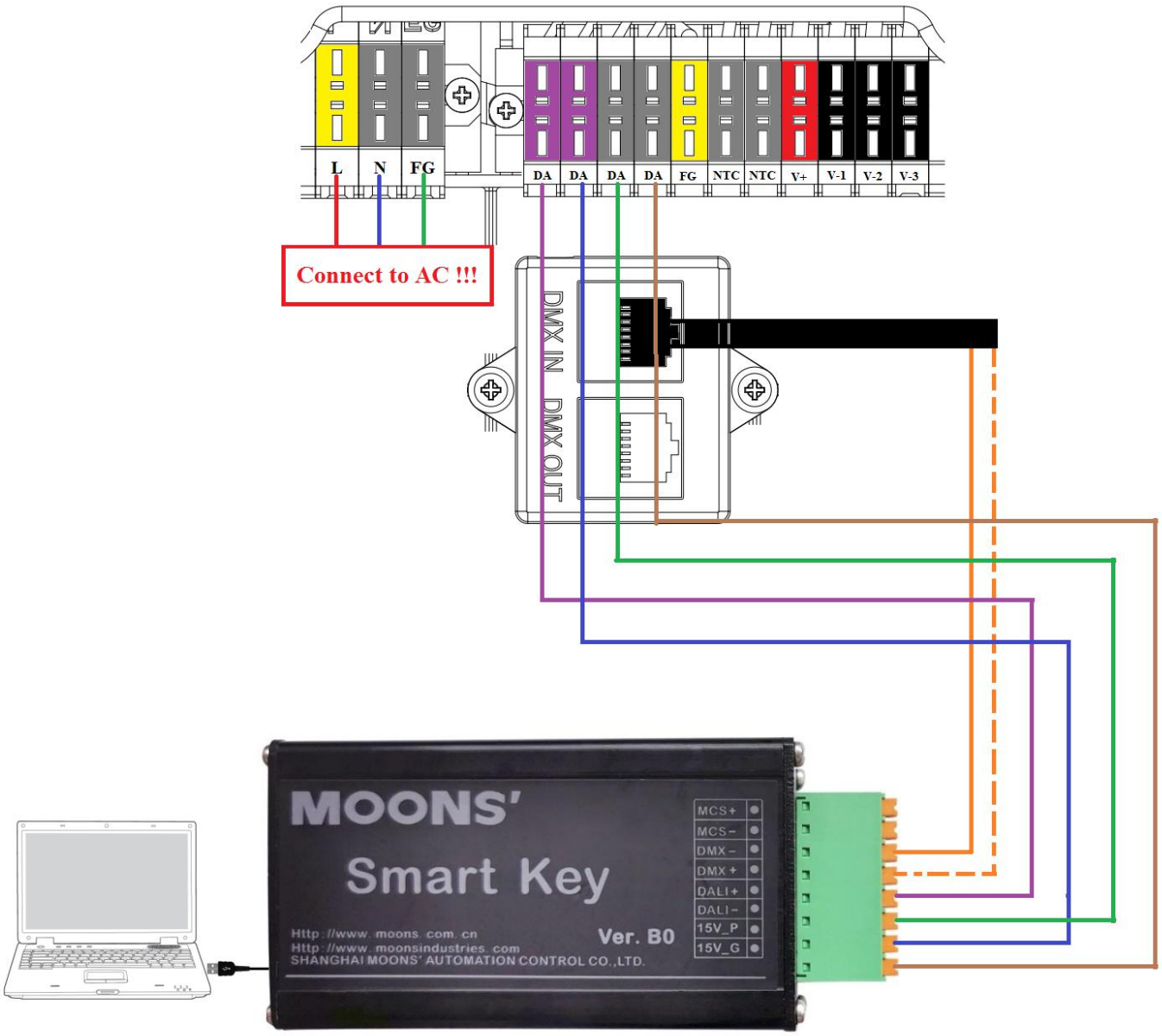






And then click OK to save.

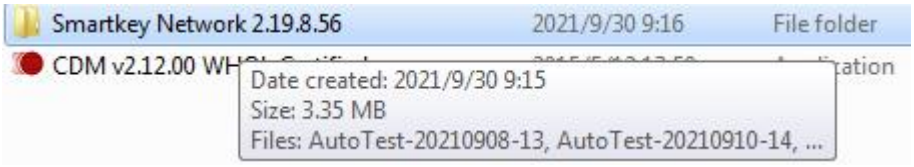
2. Complete Hardware Wiring



3. As DMX driver

DMX programming interface, explanation and program driver under DMX mode

Operate the software directly.



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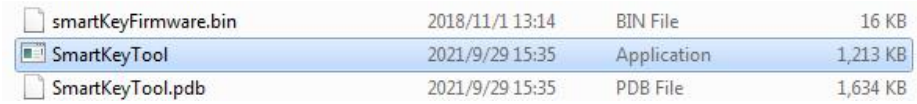

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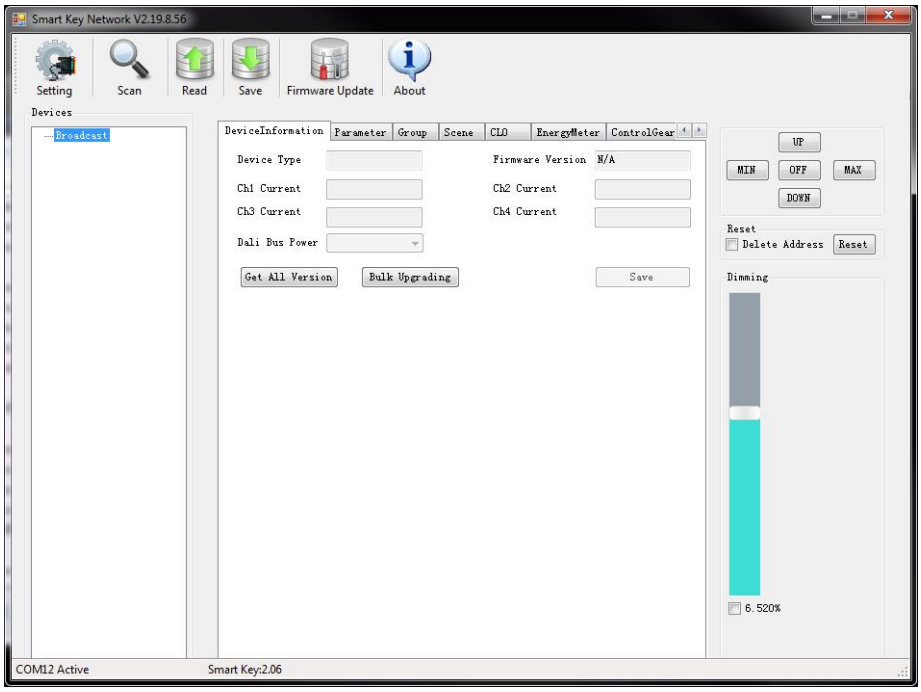

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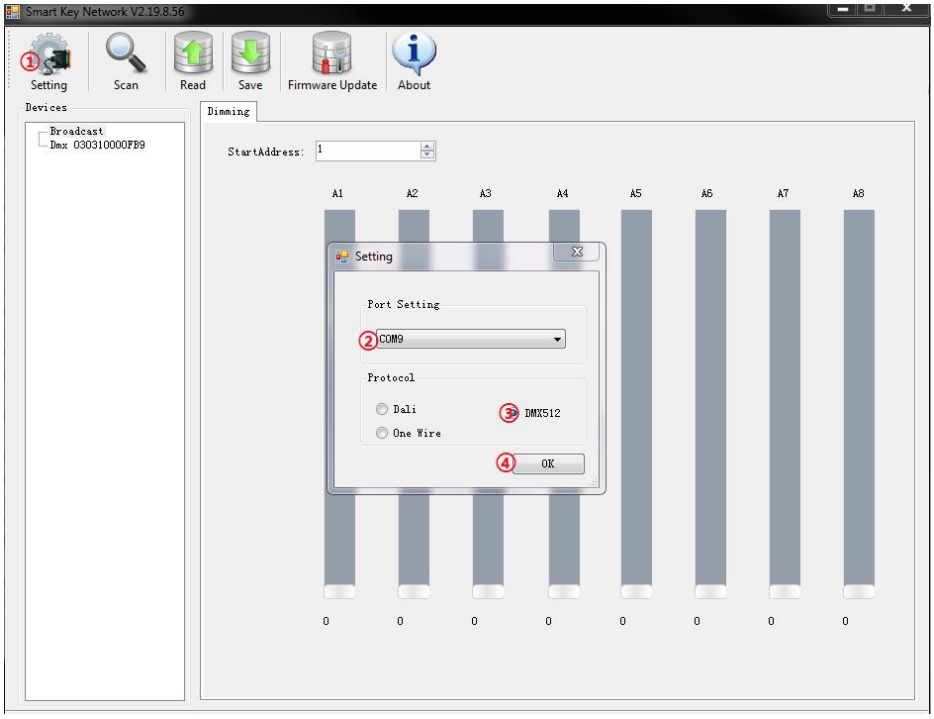
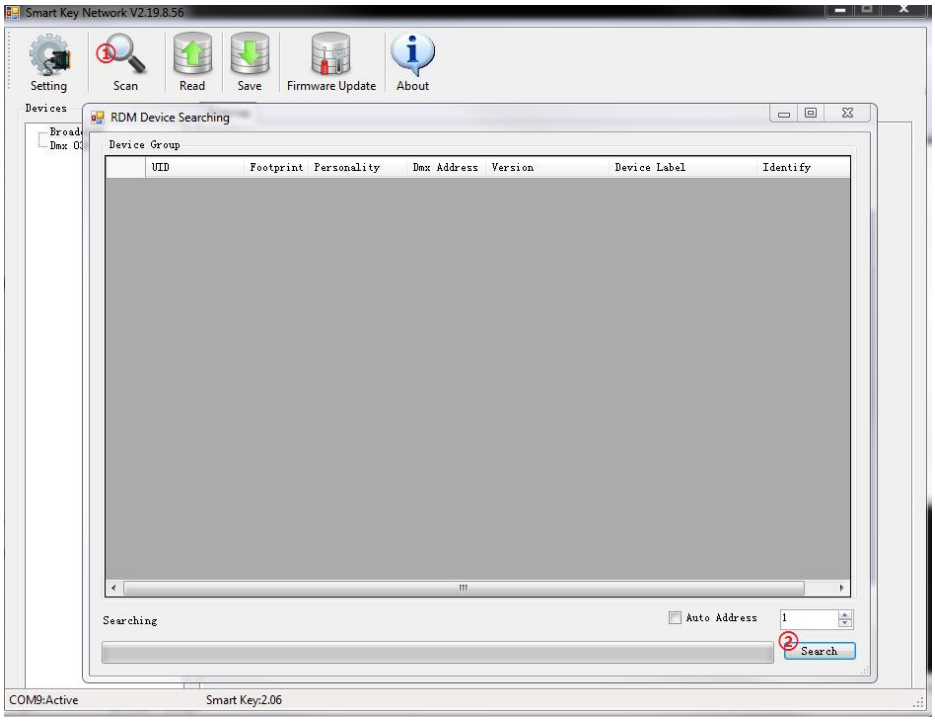

Smart Key Network V2.19.8.56
Setting
Scan
Read
Save
Firmware Update
About
Devices
Broadcast
Dmx 030310000FB9
Dimming
StartAddress: 1
A1 A2 A3 A4 A5 A6 A7 A8
Setting
Port Setting
COM9
Protocol
Dali
One Wire
DMX512
OK
0 0 0 0 0 0 0 0

↓


Smart Key Network V2.19.8.56
Setting
Scan
Read
Save
Firmware Update
About
Devices
RDM Device Searching
Device Group
UID
Footprint
Personality
Dmx Address
Version
Device Label
Identify
Searching
Auto Address
1
Search
COM9:Active
Smart Key:2.06

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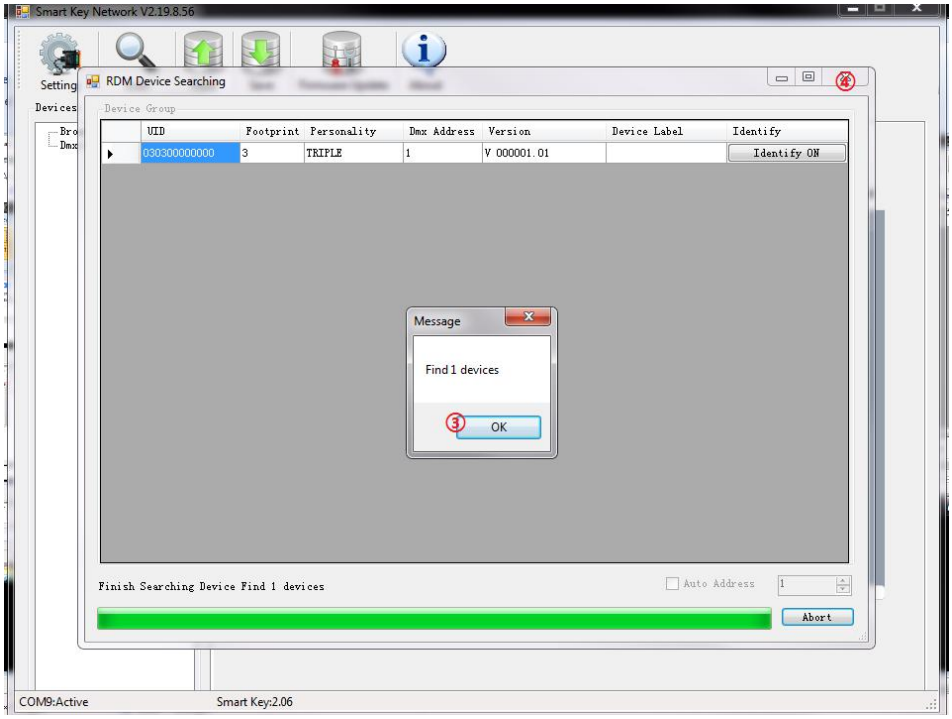

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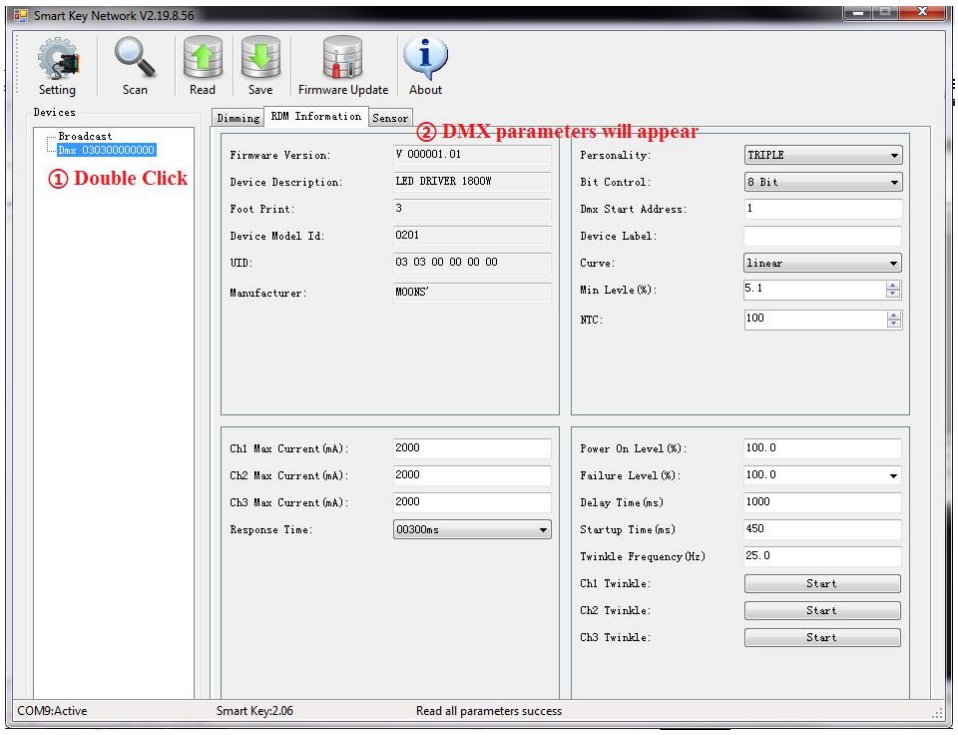
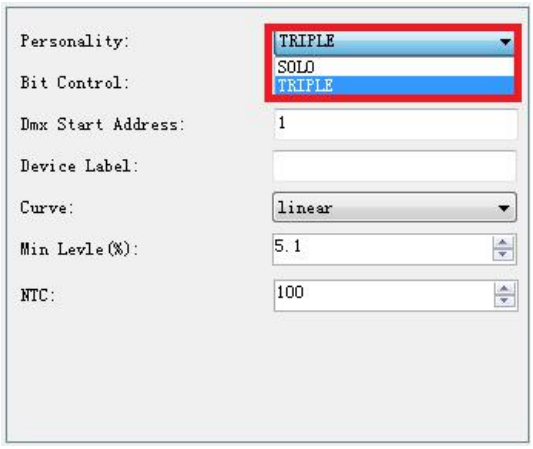
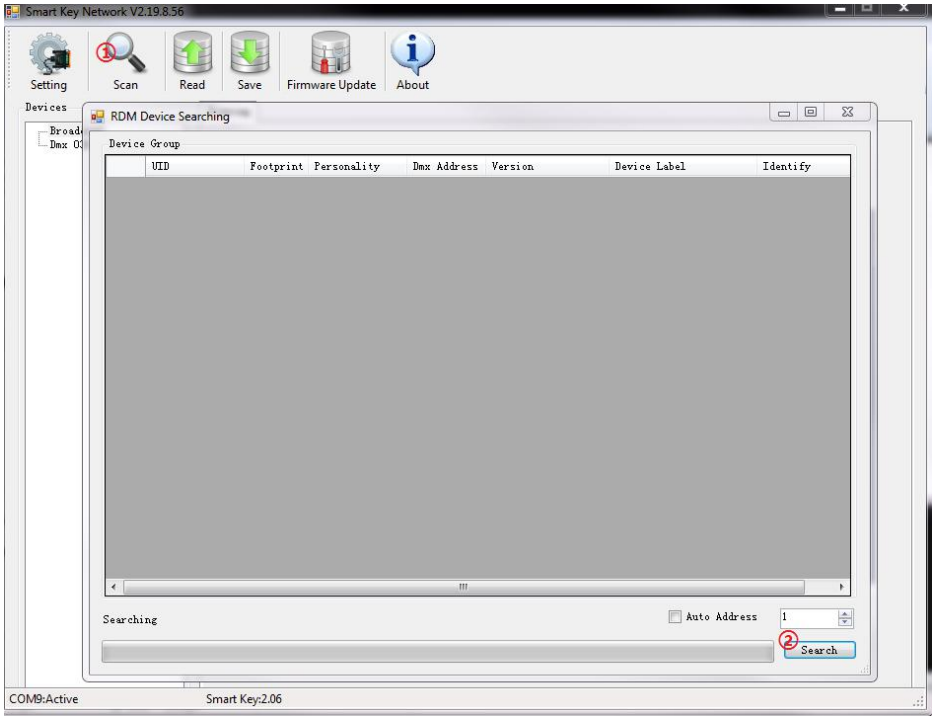


As DMX driver, this driver has two address modes.

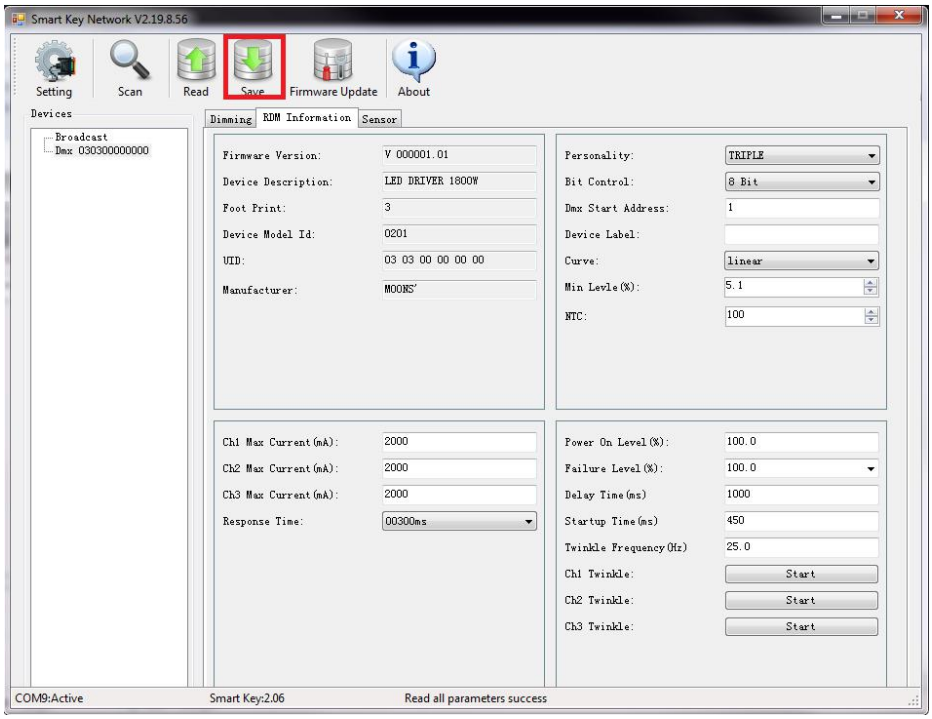


Solo: three output channels share one DMX address.
Triple: three output channels occupy three DMX address.
User could click save to save selection.

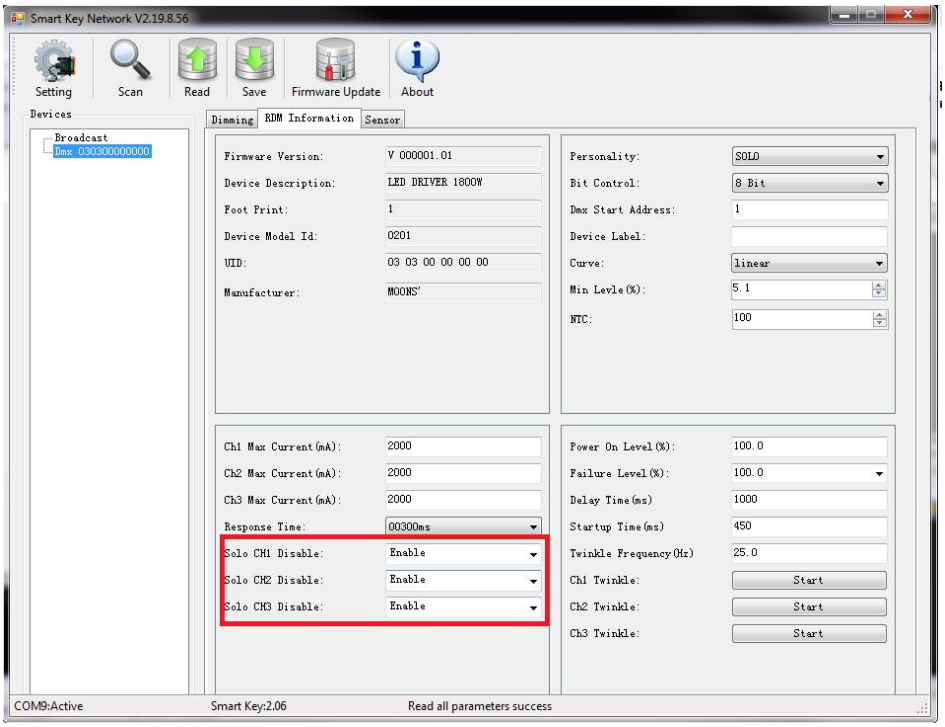
If user modify the address mode, please scan the address again.



After complete modify parameters, click save to save the parameters.



In the solo mode, user can enable or disable each channel.



Bit control

Under Solo mode,

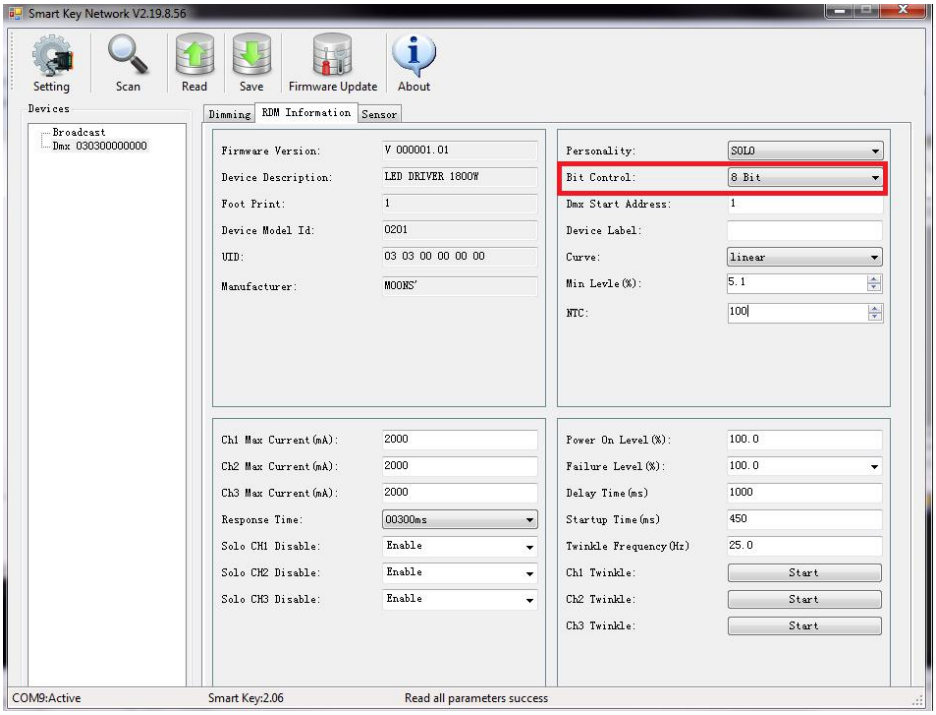
If bit=8, the driver will occupy 1 footprint.

If bit=16, the driver will occupy 2 footprints.

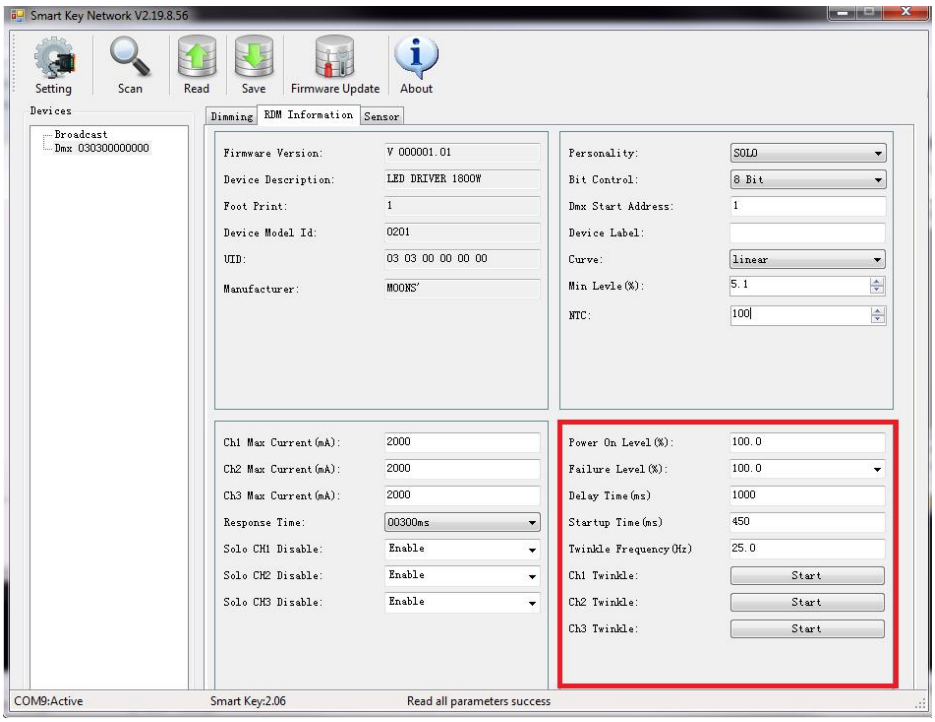
Under Triple mode,

If bit=8, the driver will occupy 3 footprints.

If bit=16, the driver will occupy 6 footprints.

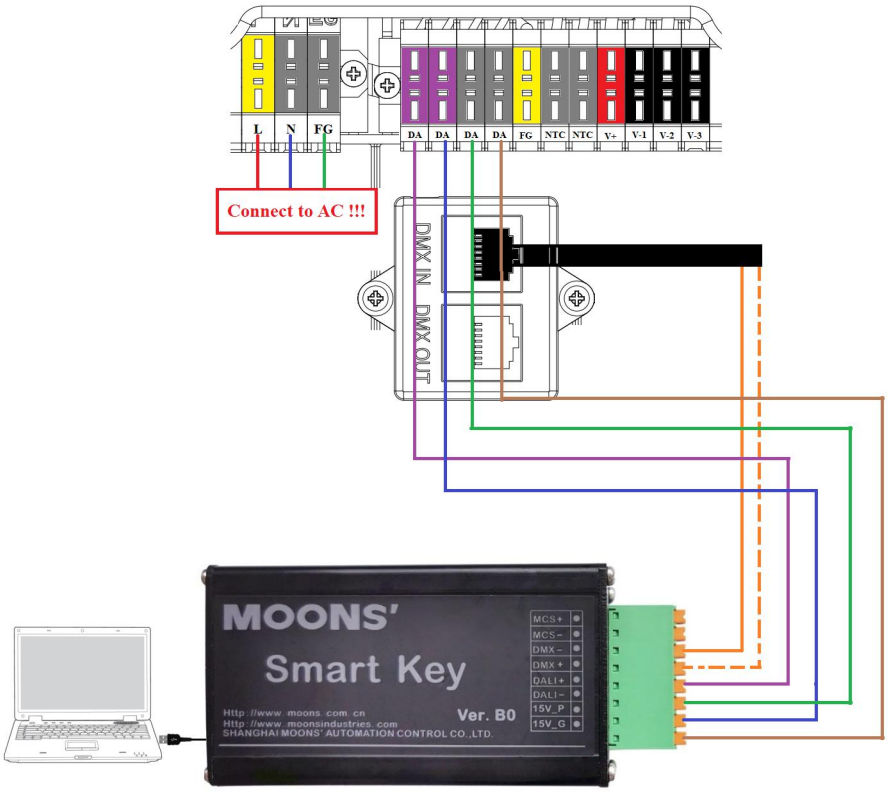


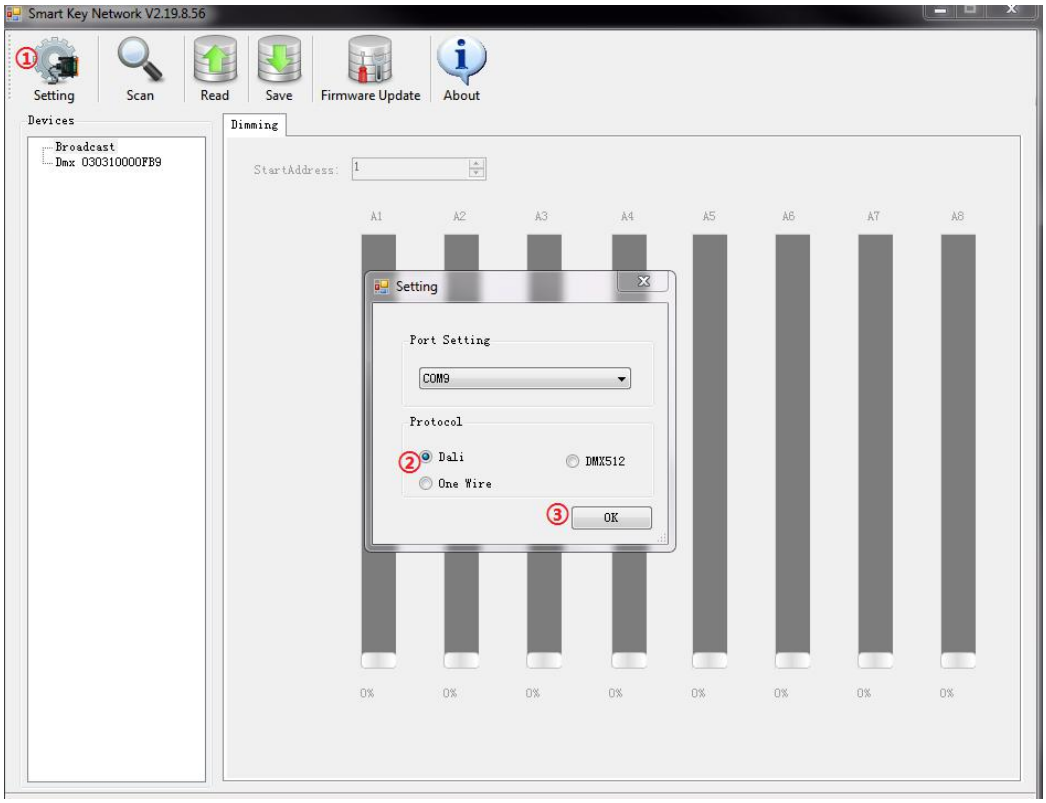
Power on level: the driver’s power on output level, if there is no any dimming signal.
Failure Level: when signal is lost, the driver will access to this level output.
Delay Times: after this time, driver will access to failure level.
Start Up Time: the driver will cost this time to output current.
Twinkle Frequency: define the twinkle frequency, if value is 25, on-off cycle per 0.04s
Click start, the corresponding channel will act Twinkle.



4. Switch DMX mode to DALI mode

Still keep below wiring, and in the software, choose “Setting”→ “In the Protocol, choose DALI” → “OK” → Power off the driver→wait 10 seconds→Power on the driver→Program driver under DALI mode.



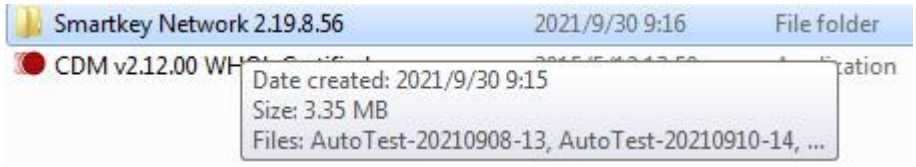


If want to switch DALI to DMX, Still keep below wiring, and in the software, choose “Setting”→ “In the Protocol, choose DMX” → “OK” → Power off the driver→wait 10 seconds→Power on the driver→ Program driver under DMX mode.

5. As DALI driver

DALI programming interface, explanation and program driver under DALI mode

Operate the software directly.



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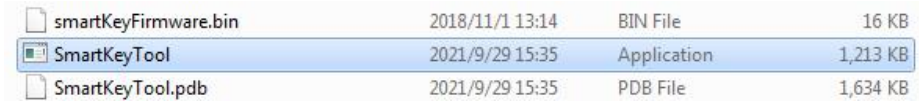

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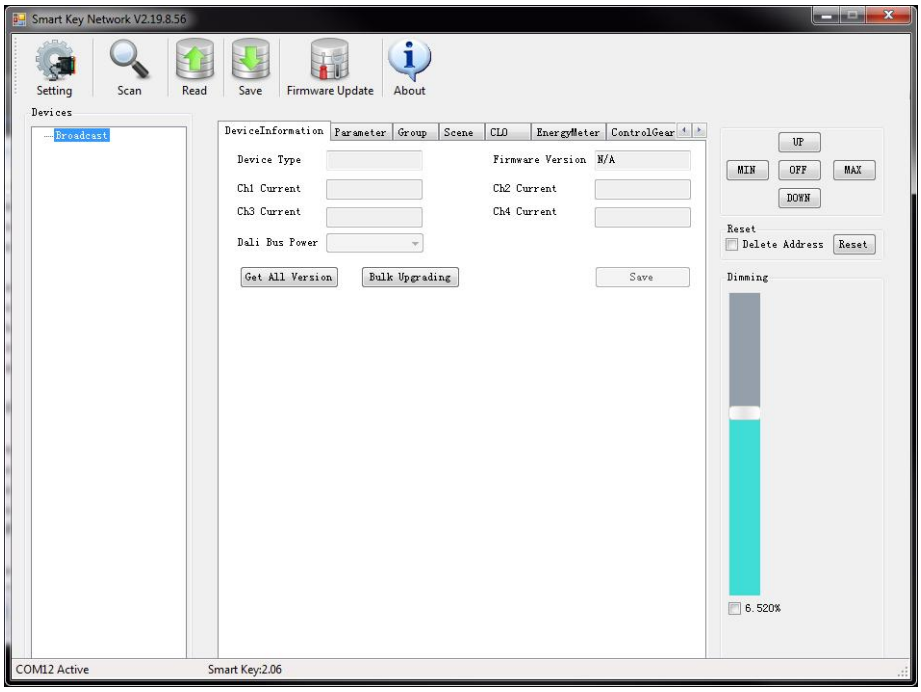

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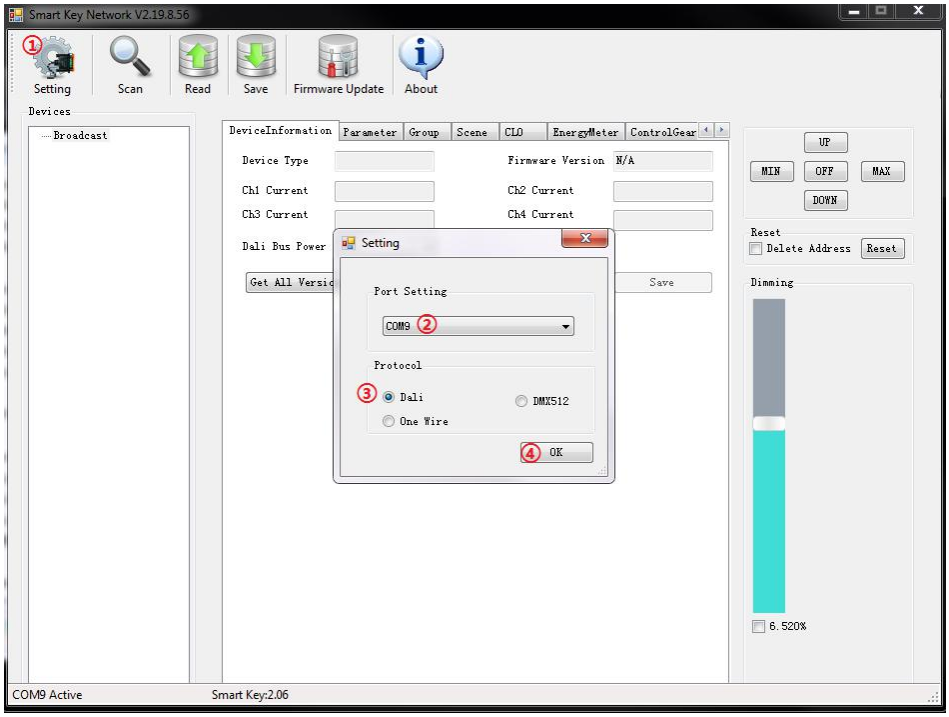
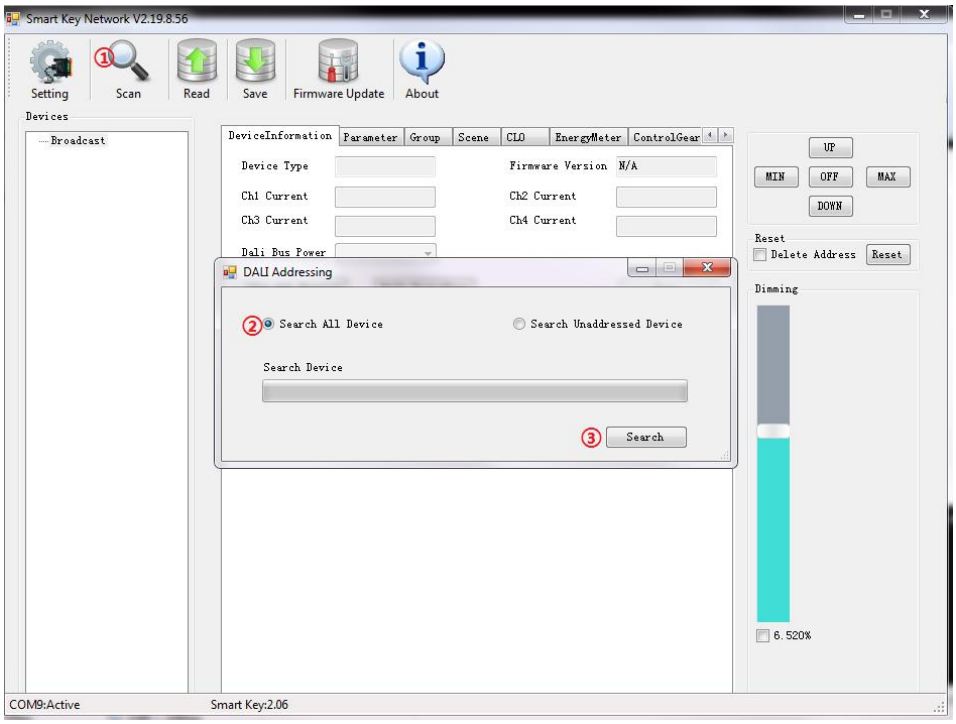

Smart Key Network V2.19.8.56
1
Setting
Scan
Read
Save
Firmware Update
About
Devices
Broadcast
DeviceInformation
Parameter
Group
Scene
CLO
EnergyMeter
ControlGear
Device Type
Firmware Version
N/A
Ch1 Current
Ch2 Current
Ch3 Current
Ch4 Current
Dali Bus Power
Get All Versic
Save
UP
MIN
OFF
MAX
DOWN
Reset
Delete Address
Reset
Dimming
6.520%
Setting
Port Setting
COM9
2
Protocol
3
Dali
DMX512
One Wire
4
OK
COM9 Active
Smart Key:2.06

↓


Smart Key Network V2.19.8.56
1
Setting
Scan
Read
Save
Firmware Update
About
Devices
Broadcast
DeviceInformation
Parameter
Group
Scene
CLO
EnergyMeter
ControlGear
Device Type
Firmware Version
N/A
Ch1 Current
Ch2 Current
Ch3 Current
Ch4 Current
Dali Bus Power
UP
MIN
OFF
MAX
DOWN
Reset
Delete Address
Reset
Dimming
6.520%
DALI Addressing
2
Search All Device
Search Unaddressed Device
Search Device
3
Search
COM9:Active
Smart Key:2.06

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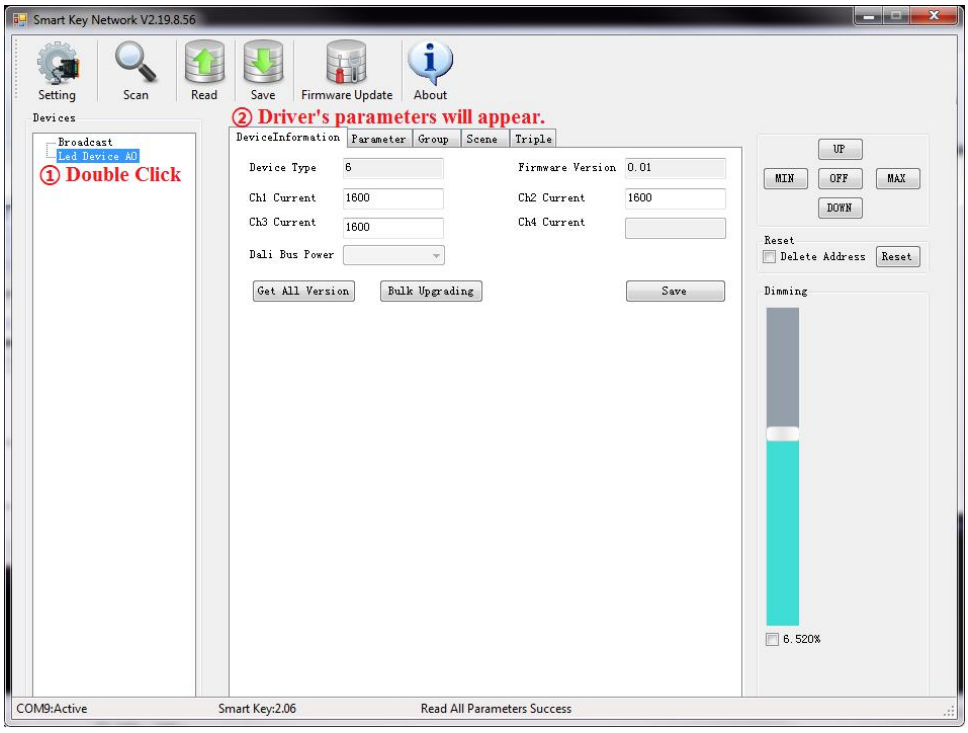

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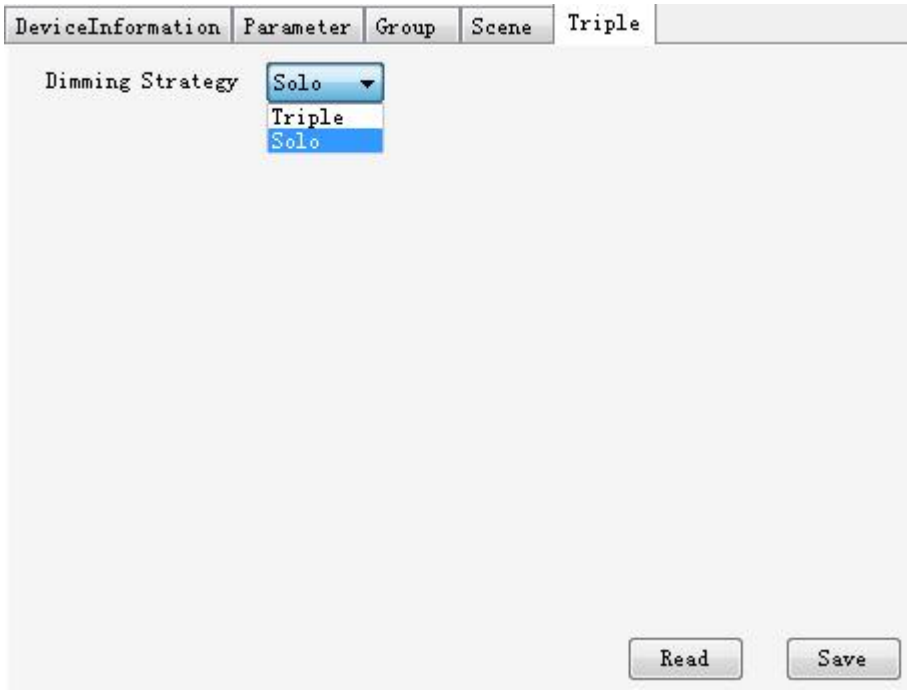
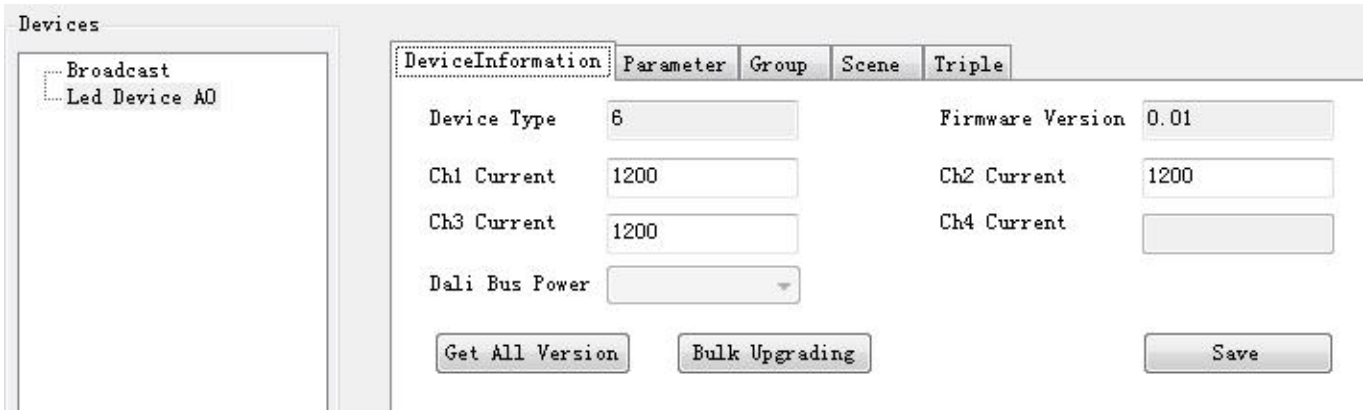
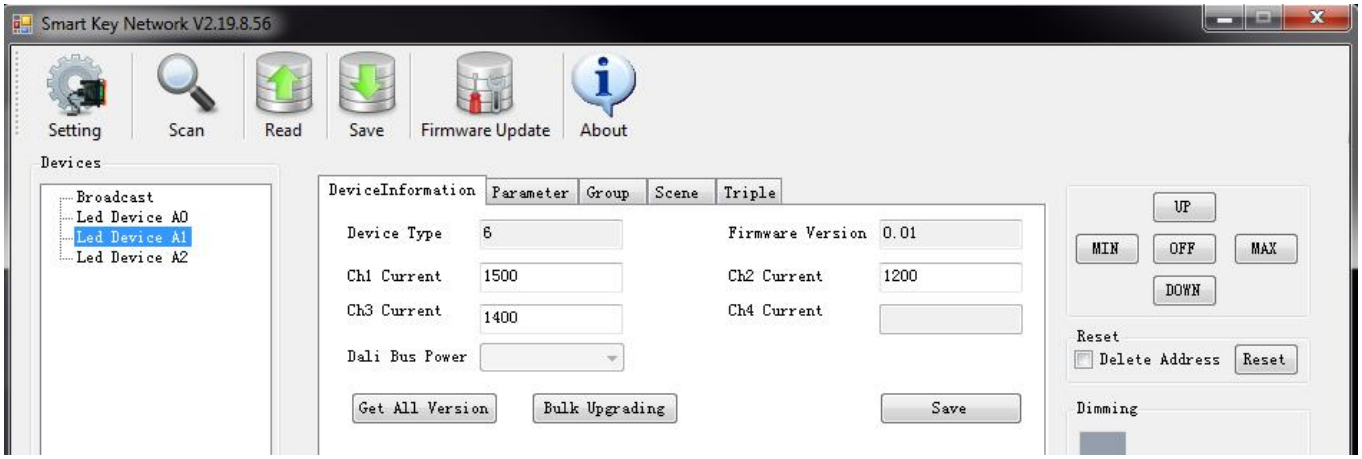
As DALI driver, this driver has two address modes.



Solo: three output channels share one DALI address.
Triple: three output channels occupy three DALI address.
User could click save to save selection.

If user modify the address mode, please scan the address again.



Under this TAB, three output current's value could be modified, and click save to save setting.
Even if the address mode is triple, user find three addresses, three output current's value still could be modified under any one address.