

DMX512 Dimmable LED driver

NFC APP setting & LED lights connecting Instruction Sheet

■ NFC APP setting



➤ NFC APP icon

APP installation

Click the link below to download "DMX512 Dimmable led driver NFC APP"

[http://www.swinpower.com/uploadfile/downloads/DMX%20dim.%20LED%20driver%20NFC%20\(For%20android%20system%20App%20only\)%20%20-\(SmartsEle.\)%202021-1-1.apk](http://www.swinpower.com/uploadfile/downloads/DMX%20dim.%20LED%20driver%20NFC%20(For%20android%20system%20App%20only)%20%20-(SmartsEle.)%202021-1-1.apk)

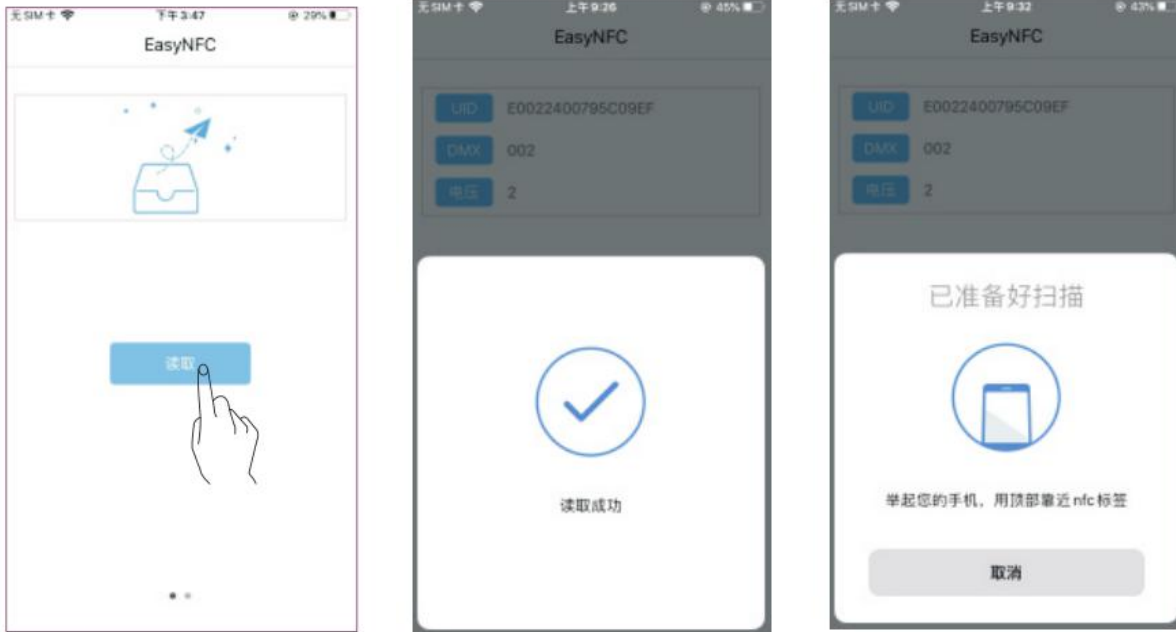
After the installation is complete, the user can enter the APP by clicking the icon.



➤ **Note:** this "NFC app" currently only supports Android system fixed mobile phones with NFC function.

APP operation

Open The NFC APP interface, swipe left or right to select the read interface/write setting interface.



Handle operation

1) . In the settings interface, click "Address Settings", the selection interface will pop up automatically, slide up and down to select the option you need and click "OK"; then click "+/-", or manually edit the required address.

➤ **Note:** (NO: no choice, DMX address range 1~512; DALI address range 0~63, 255)



Step 1. download and click NFC APP



Step 2. select DMX and setting channel

2) . In the setting interface, click "Current/Voltage Setting", the selection interface will pop up automatically, Swipe up and down to select the desired option and click "OK"; then click "+/-", or hand Edit the required parameters automatically.

➤ **Note:** (No: no choice; voltage level range 1~10, power supply support $\pm 1V$ output voltage adjustment, the voltage value 5 is the standard output voltage of the power supply; The current level ranges from 1 to 10, please refer to the power supply's manual for the power output corresponding to the current level)

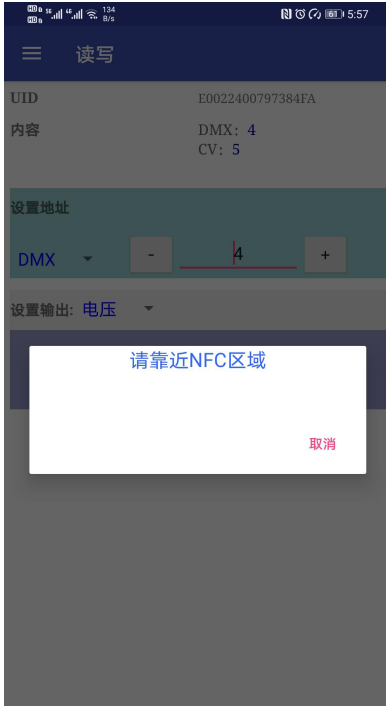
DMX512 dimmable LED Driver Output Voltage Range can be Adjusted by NFC APP (NFC APP 电压等级调节)										
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9	Level 10
12VDC	11.2V	11.4V	11.6V	11.8V	12.0V	12.2V	12.4V	12.6V	12.8V	13.0V
24VDC	23.2V	23.4V	23.6V	23.8V	24.0V	24.2V	24.4V	24.6V	24.8V	25.0V
36VDC	34.4V	34.8V	35.2V	35.6V	36.0V	36.4V	36.8V	37.2V	37.6V	38.0V
48VDC	46.4V	46.8V	47.2V	47.6V	48.0V	48.4V	48.8V	49.2V	49.6V	50.0V



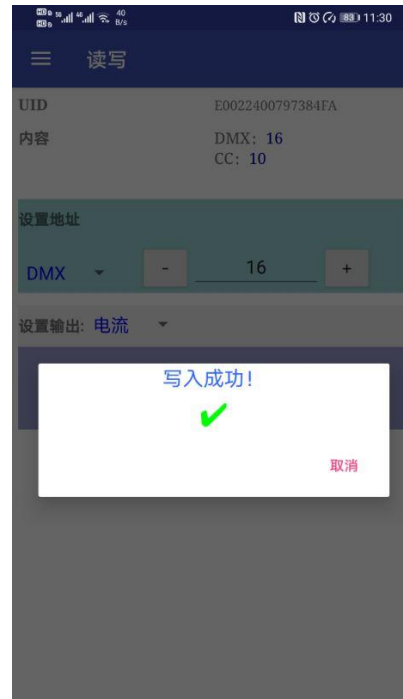
Step 3. select voltage and setting voltage level ; If you take the DMX512 dimmable constant current LED driver, pl. select current and setting current level as below.



3). In the setting interface, after clicking "set", put the top of the phone close to the power NFC write position.



Step 4. Put your mobile phone closing to the power supply NFC position.

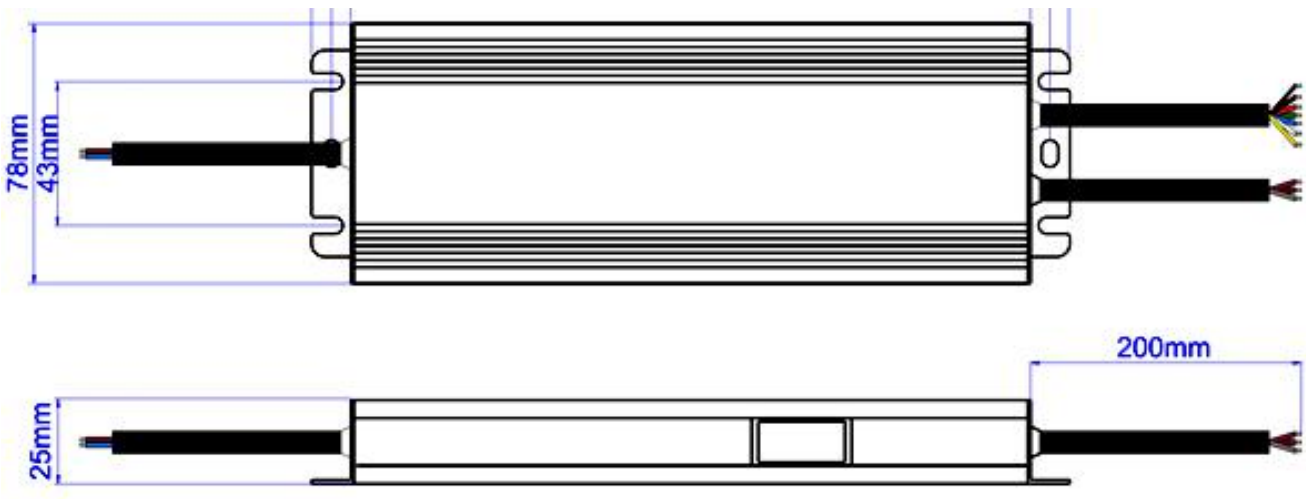


Step 5. When heard a beep, setting successful

➤ **Note:** If the mobile phone is not close to the NFC write and read position or the mobile phone is moved when you are setting, it may cause the setting failed. please click and setting again.

■ **DMX512 dimmable LED drivers & LED light connecting:**

1) **DMX512 dimmable Waterproof type LED drivers (100W,120W,150W,200W) & LED lights connecting:**



Unit: mm
 Tolerance: P 0.5-2mm

- Input Rubber cable 3*1.0mm²(VDE approval), the Y/G cable connect with (FG) , Brown with AC (L), Blue with AC(N) (EU)
- Input SJOW Rubber cable 3*18AWG (UL approval), the green cable connect with (FG) ,Black with AC (L), White with AC(N) (US)
- Dimming cable: Purple (D+), Brown (D-) and Gray (GND) connect to DMX dimmer / system.
- Output cable to be connected to LED Light;

DIM (DW) dimming: Rubber cable

Black is output (V+) Positive, White is output (V-) negative

CCT (TW) dimming: 1015 electronic cable , (V+) 16AWG; (V-) 18AWG

Black is output (V+) Positive, While (CW-) and Yellow (WW-) are output (V-) negative

RGB dimming: 1015 electronic cable , (V+) 16AWG; (V-) 18AWG

Black is output (V+) Positive, Red (R-), Green (G-) and Blue (B-) are output (V-) negative

RGBW dimming: 1015 electronic cable , (V+) 16AWG; (V-) 18AWG

Black is output (V+) Positive, Red (R-), Green (G-) ,Blue (B-) , White (W-) are output (V-) negative

RGB+CCT dimming: 1015 electronic cable , (V+) 16AWG; (V-) 18AWG

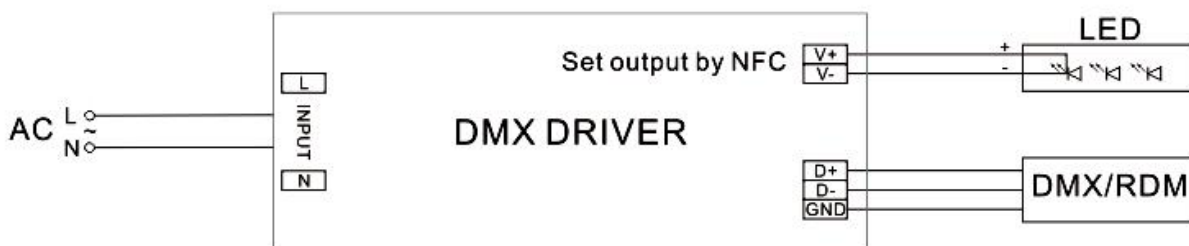
Black is output (V+) Positive, Red (R-), Green (G-) ,Blue (B-) , White (CW-) and Yellow (WW-) are output (V-) negative.;

- Please make sure you connect these correctly ,otherwise your product will not work correctly and could be damaged.

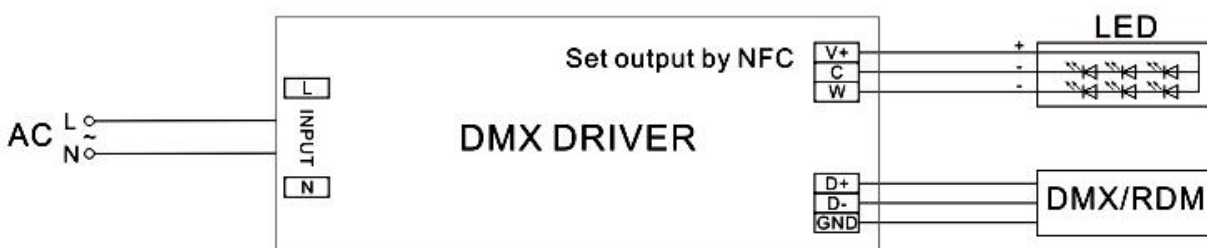
Note: there is external antenna at output side. Don't disassemble!

■ **Connecting Diagram:**

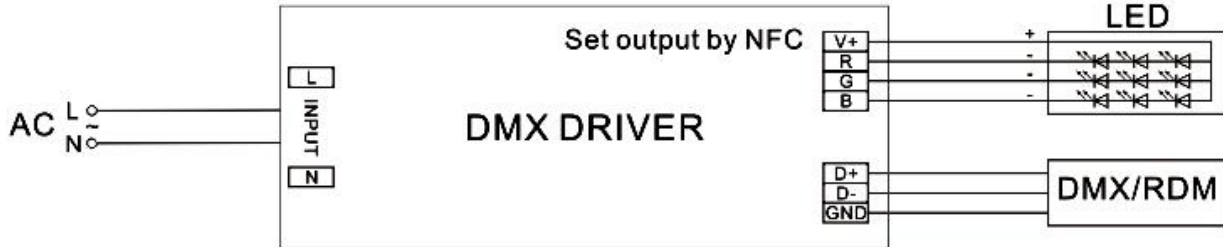
Dirgram - 1 CH



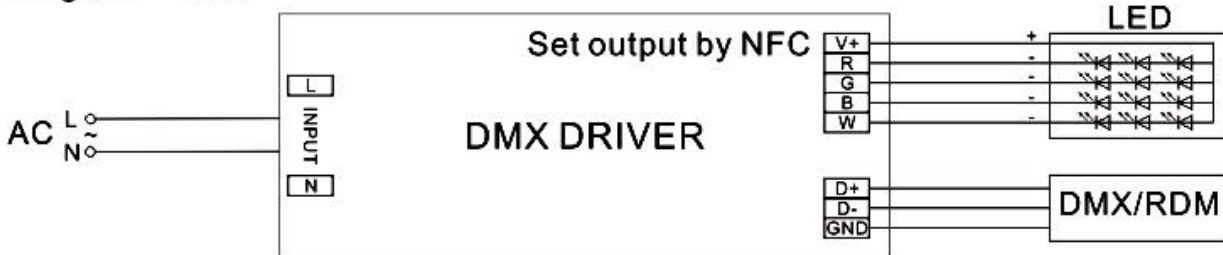
Dirgram - 2 CH



Dirgram - 3 CH



Dirgram - 4 CH



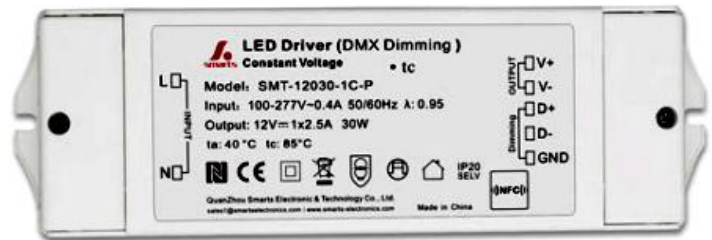
Dirgram - 5 CH



2) DMX512 dimmable Plastic case type LED drivers (30W,60W) &LED light connecting:



(30W DMX dimming LED driver)



(60W DMX dimming LED driver)

Unite: mm

Tolerance:P 0.5-2mm

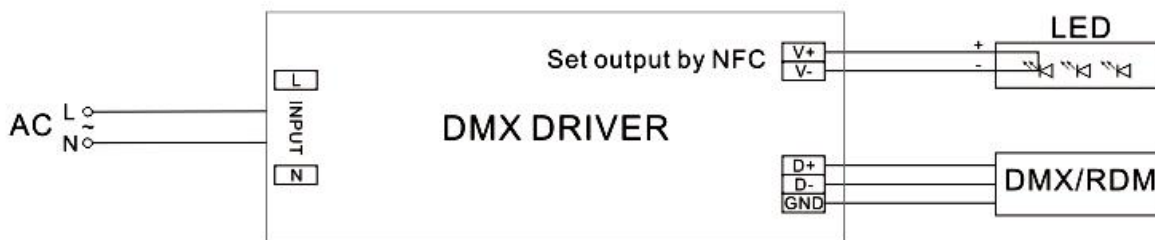
- Input terminal with 3P; Live Wire(L) , Neutral Wire (N) .
- Note: vacant for middle terminal Suggested wire diameter: Primary 0.75-2mm² (18-14 AWG); Secondary 0.5-2mm² (20-14 AWG)
- Output terminals with 6P; LED SEC positive (LED+), LED negative (LED-). Connected to LED light; Common anode design
- 2P for DIM (DW) dimming;
- 4P for CCT (TW) dimming with two LED positive pole

➤ Please make sure you connect these correctly ,otherwise your product will not work correctly and could be damaged.

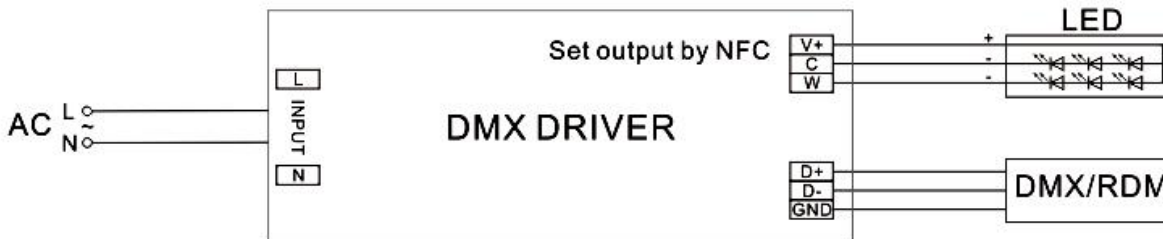
Note: there is external antenna at output side. Don't disassemble!

■ Connecting Diagram

Dirgram - 1 CH



Dirgram - 2 CH



■ Instruction:

- This driver should be installed by qualified and professional person;
- Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- Ensure that wiring is correct before test in order to avoid light and power supply damage;
- If the dimmable LED drivers do not work normally, pl. don't maintain privately, but contact us: sales1@smartselectronics.com Or take a phone call: 0086-595-27256889

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