D1X
Wireless Dimmable LED Driver

PRODUCT SPECIFICATIONS

ADS0201.2E

ODINIDO
ENERGY CONSERVATION

Catalogue

Change History

NO.	Edition	Date	Content	Name	Comments
1	Rev.1	2016.04.26	First Edition	Duncan	
2	Rev.2	2016.08.09	Add FCC Statement	Winson	

1. Product information

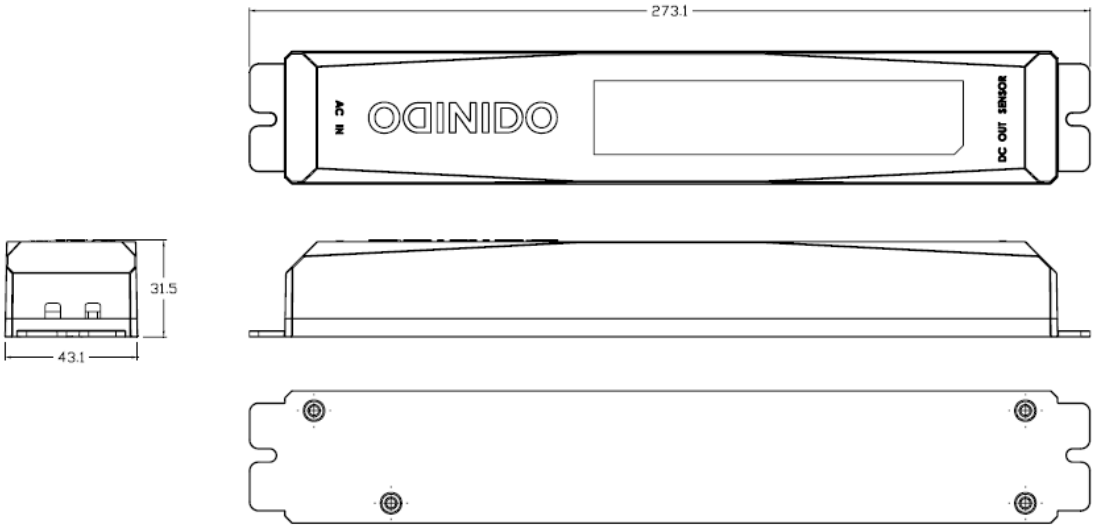
This datasheet will provide all details about D1X LED power supply.

2. Product Features

- Wireless controls the brightness by MK1 sensor or controller.
- Input maximum 277V, peak value 305V.
- Brightness dimming range: 0-100%.
- Use NFC function to set the groups.
- Wireless : Bluetooth 4.0.
- Pass CE,FCC safety requirements.

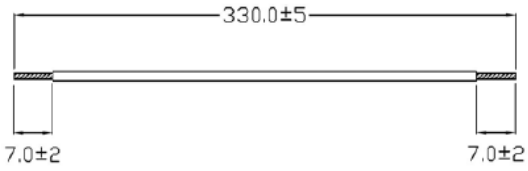
3. Product Specification

3-1 Dimension



BLUE : P54100A1053A

BROWN : P54100A1054A



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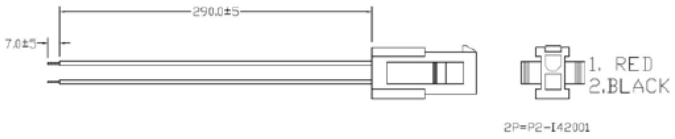

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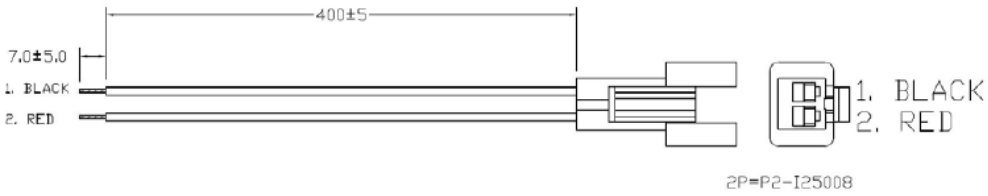
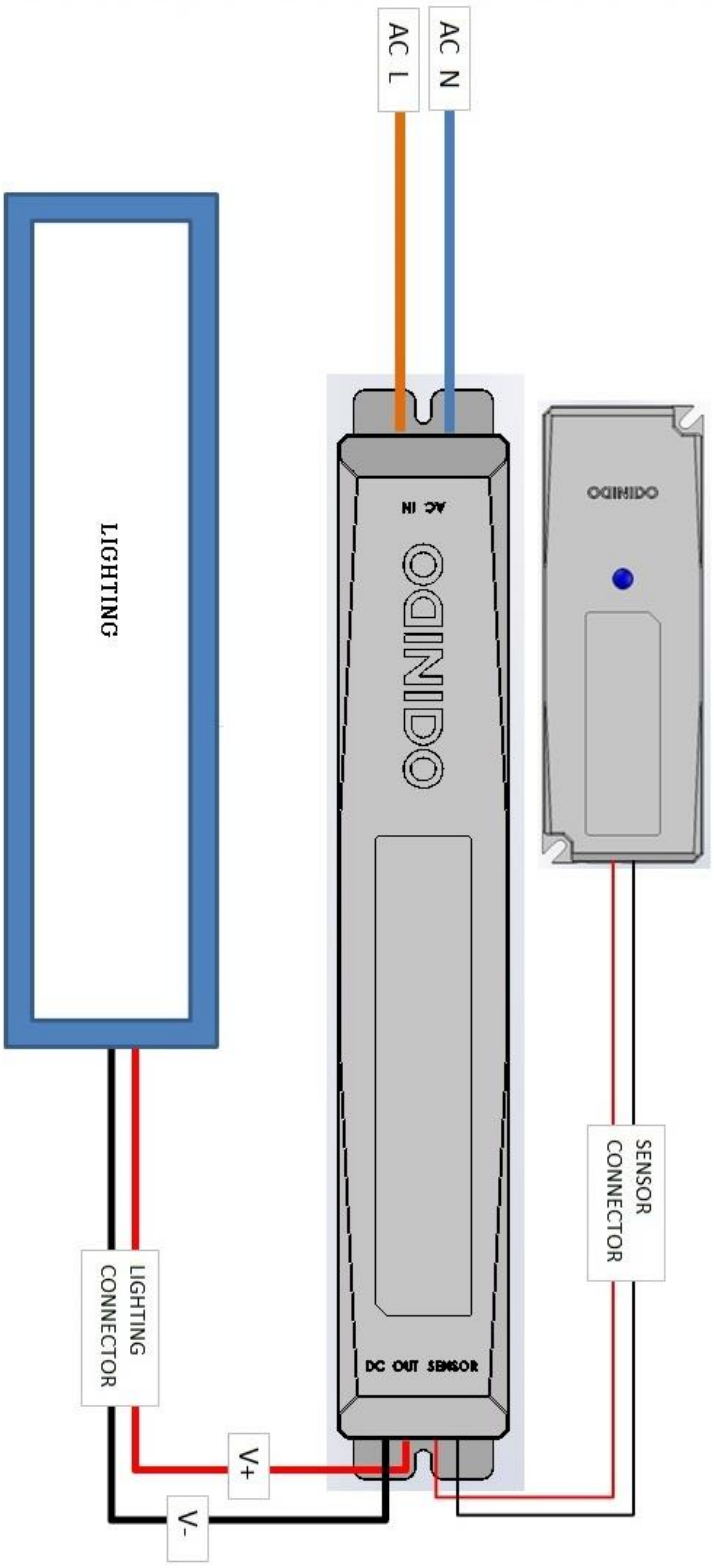


3-2 Specification

	Model	D1X36-24
Output	DC Voltage	24V
	Output voltage Range	12-38V
	Output Current	1.55A (210mA~ 1.5A)
	Output Current Req.	+/-5%
	Rated power output	36 Watt
	Ripple & Noise	<360mV
Input	Input voltage Range	90-277VAC (Peak 305V)
	Line Frequency	47~63Hz
	Inrush Current	MAX 10A (277VAC cold start)
	Power Factor Corrections	PF>0.9
	Efficiency	83.5% (115V/230VAC cold start)
	Touch Current	0.25mA
Protection	Over Voltage Range	Shut down o/p voltage ,re-power on to recover
	Short Circuit Protection	+39.6V~+46.8V
Environment	Operating	-20~70°C / 10~90%RH non-condensing
	Storage	-40~80°C / 10~90%RH non-condensing
Reliability	MTBF	100,000 hours min. at max. load for 25°C ambient temperature.
	Burn-In	100% burn-in tested under 45±5°C

3-3 Installation

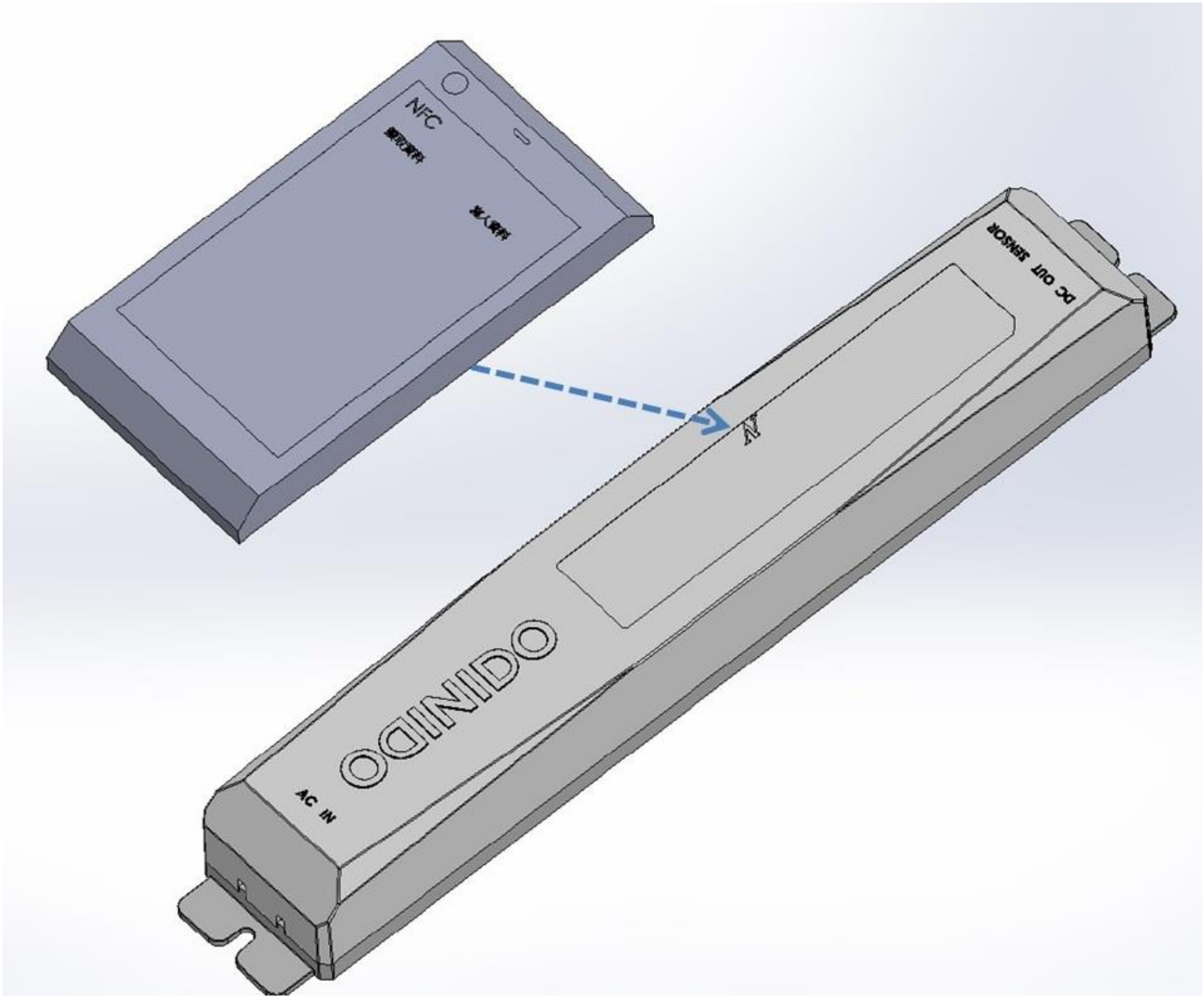
Connect to LED light fixture and sensor as below:



3-4 Adjustment

(Since the D1X APP won't be sold on Google Play, please contact with NIDO to get the D1X APP)

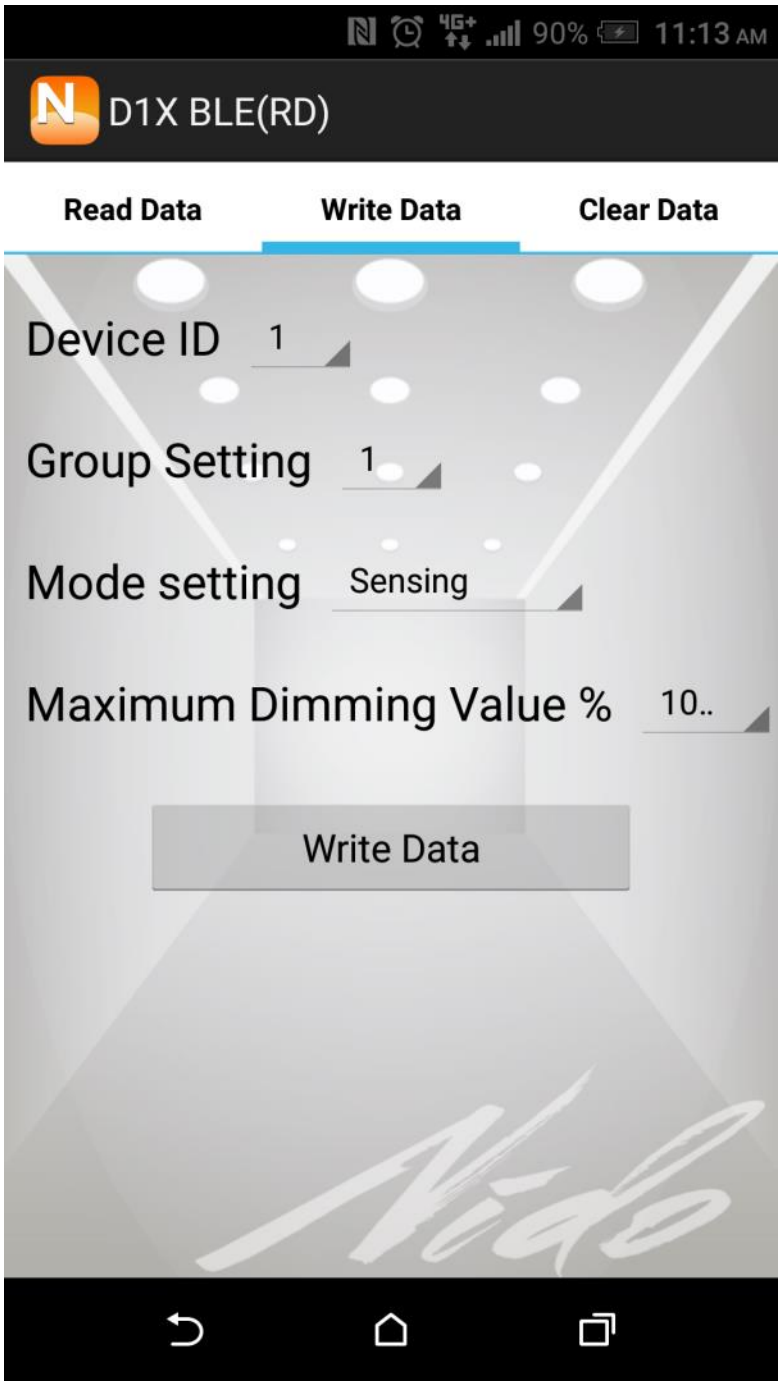
Please make sure the mobile has NFC function, way to sensing as the picture below



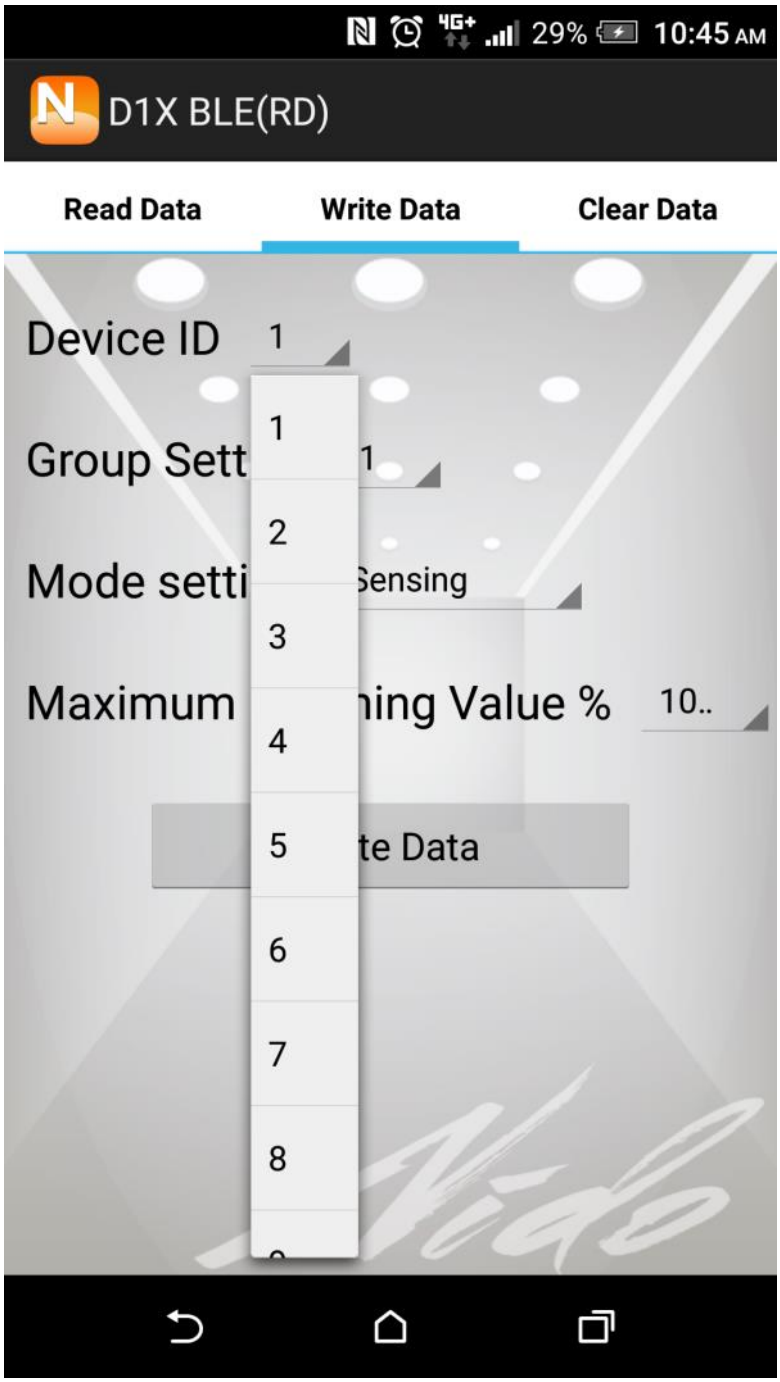
3-4 Adjustment

3-4-1 Write Data

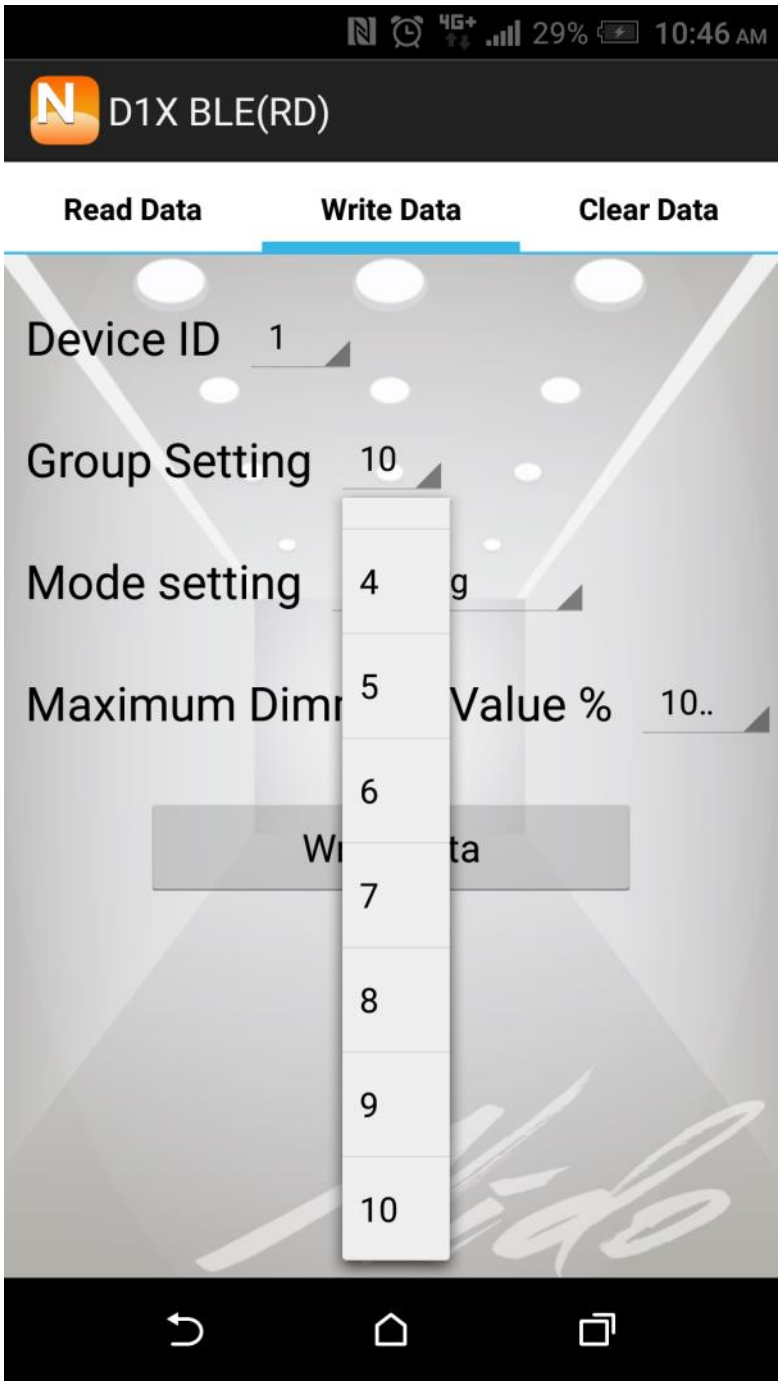
Access " Write Data" page, as the photo below



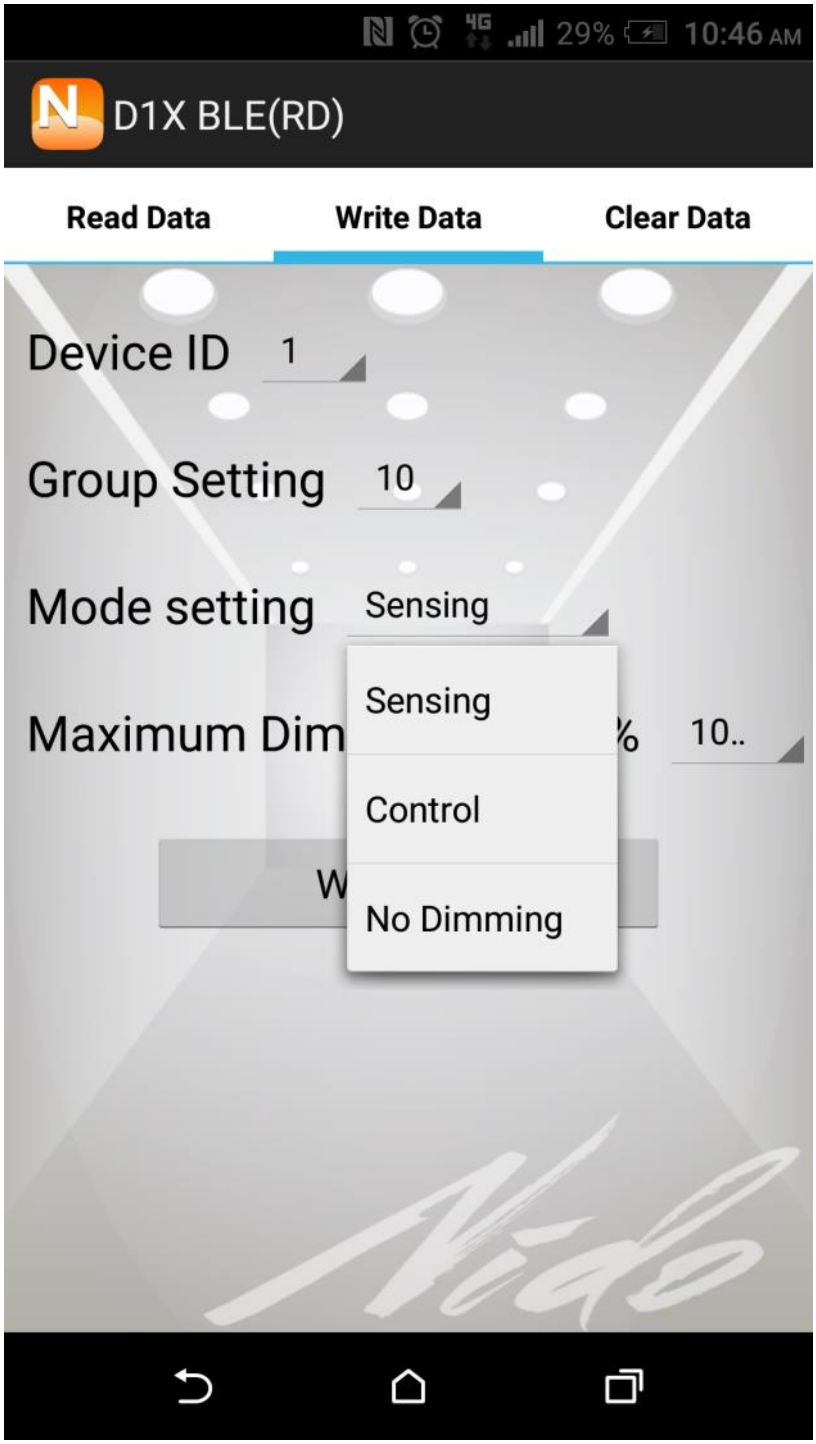
Set “Device ID”:
Pick a number from 1-60 to be your product ID number.
As the picture below, choose“1”to be the ID for this area,
(MAX ID number is 60，MK1 and D1X all share this ID，ID number must link together, ex: 1.2.3.4.5, not allow 1,2,4,5, if you do so, network will not link)



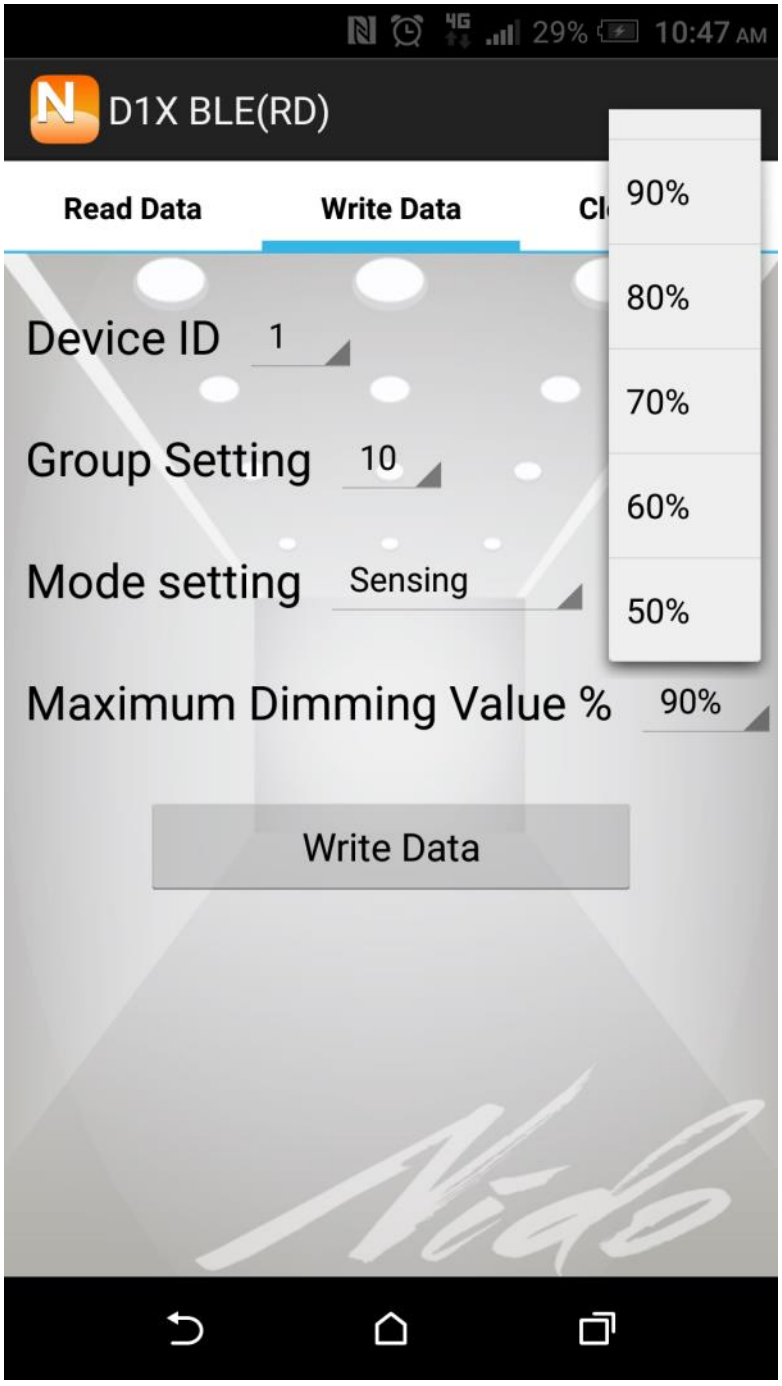
Set “Group”:
Pick a number from 1-10 to be the group number.
As the picture below, choose“10”to be the group number, (MAX group ID is 10，MK1 and D1X share these 10 group ID)



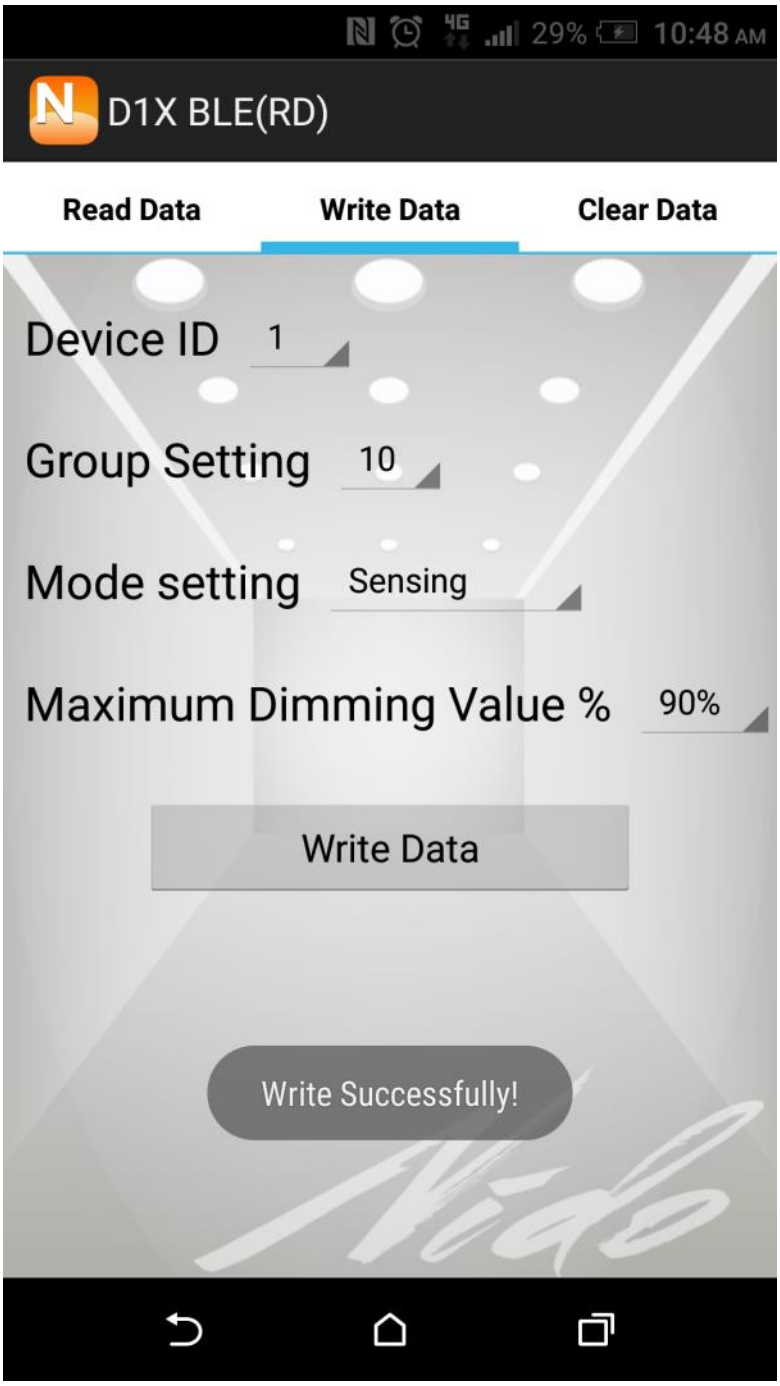
Hre are 3 modes in D1X, you can choose “sensing mode” to receive command from MK1 sensor, “Control mode” to receive commend from remote control or APP, and we also allow you to choose “non-dimming” to set D1X to be normal LED driver.



Also you can define max brightness output of D1X, it depends upon your habit and environment or different lighting fixture. The max output range from 50%-100%

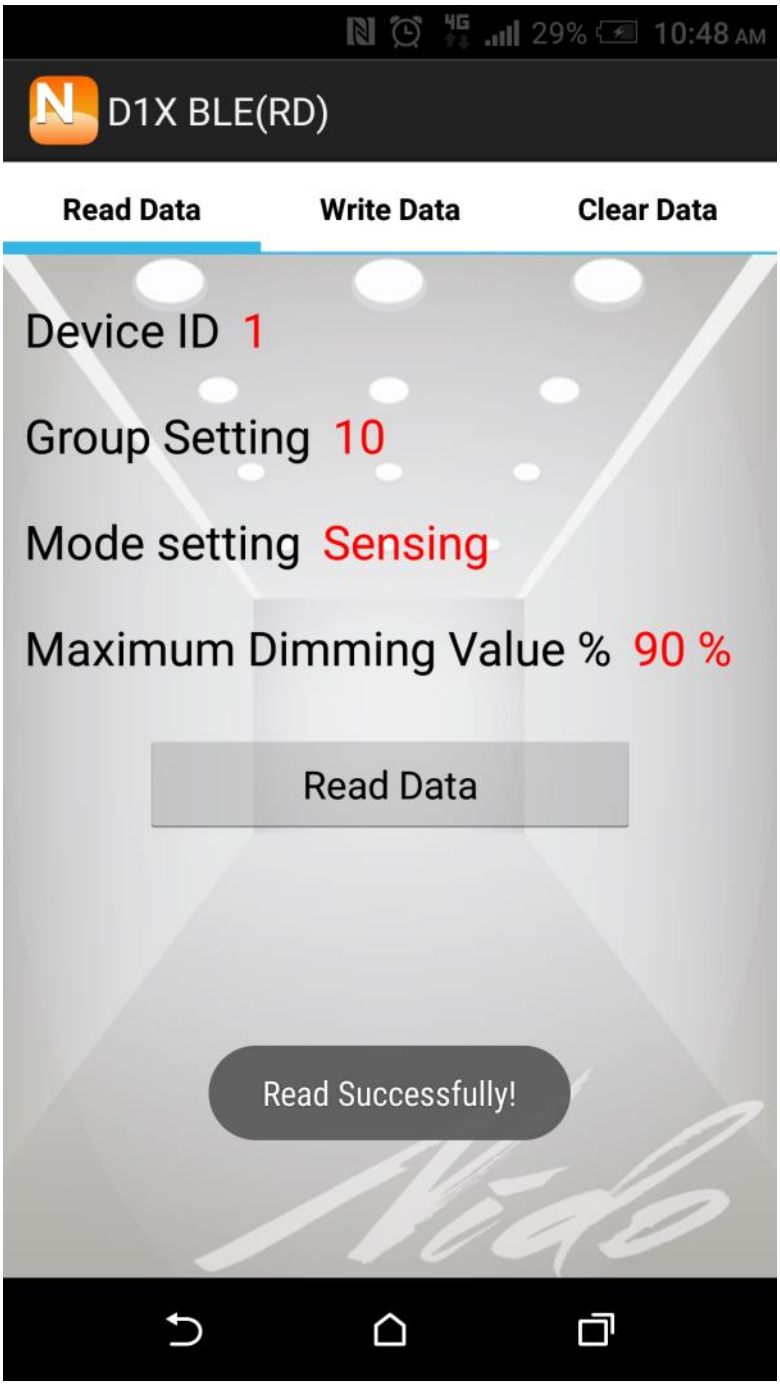


After setting, make sure the mobile gets close to the NFC sensor block on D1X.
If the setting is successful, there will pop-out the successfully window and the sound as well.

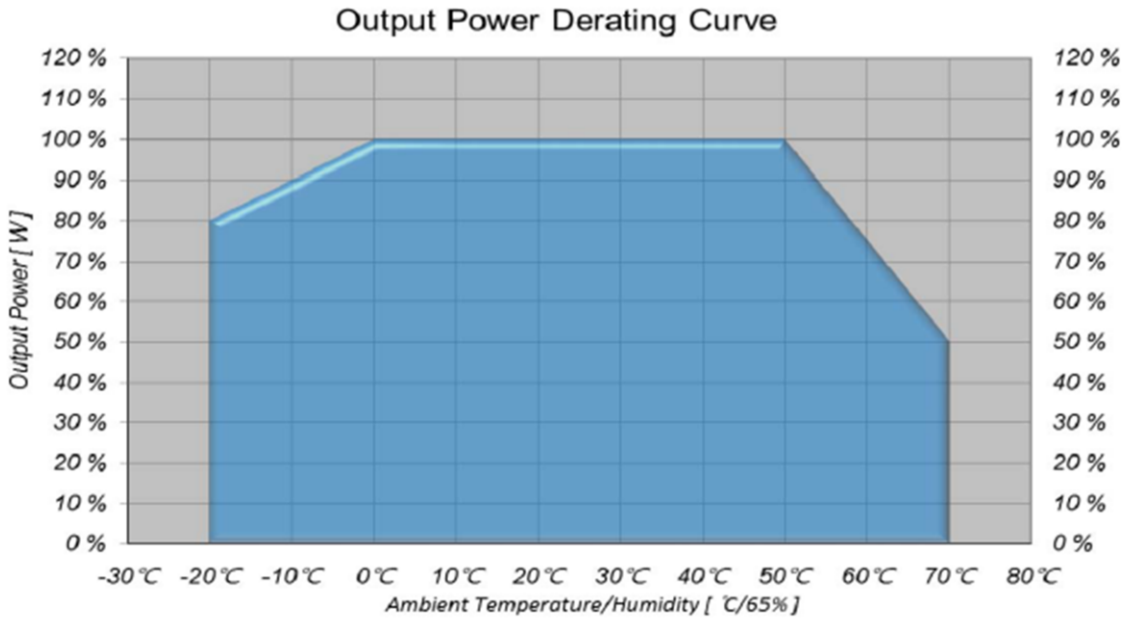


3-4-2 Read Data

Tap the “Read data”, and tag NFC area again, the data you set will show up.



4.Range & Limitation



Operating Temperature & Humidity (Non-condensing)	-20°C ~ +70°C / 10%RH ~ 90%RH*
Storage Temperature & Humidity (Non-condensing)	-40°C ~ +80°C / 10%RH ~ 90%RH*
Waterproof	No

5. Warranty

Warranty: 3 years

The warranty doesn't apply to cosmetic damage.

6.Warnings

- After changing the data, please tap the "Load data" to double-check the status.

Federal Communication Commission Interference

Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.