1 DESCRIPTIONS

The Touch Setting Tool (MSSL300) is design for configuring MOONS' LED Drivers.

Easy to use, only two steps to complete setting LED drivers' configuration.

1. Click the WRITE button on the user's graphical interface.
2. Take the NFC reader near to the LED driver's antenna area.

During programming process, the driver needn't to be charged. Moreover there's no cable wiring between driver and Touch Setting Tool.

1.1 FEATURES

- USB Bus power supply;
- Support USB2.0 ;
- No USB driver is needed, and it is automatically recognized as HID mode
- System requirements:
  Windows ® PC (XP/7/8/10/11)
- Operating modes: Reader/Writer;
- RF communication at 13.56MHz;
- Support ISO/IEC15693;
  ISO/IEC 14443 Type A & B;
- Up to 1.4 W output power with differential antenna
- Configuration function, can be used for a variety of LED drivers;
- Up to 1.4 W output power with differential antenna
- Size: 137.5*50.0*17.4mm;
- For desktop and handheld use.

2 CHARACTERISTICS

2.1 ABSOLUTE MAXIMUM RATINGS

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Min input voltage	20℃	4.5	/	/	VDC
Max input voltage	20℃	/	/	6.0	VDC

2.2 ELECTRICAL & RF CHARACTERISTICS

At 5VDC input, 20 ℃, 50% RH, 100Kpa conditions.

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
DC input voltage	USB bus power	4.8	/	5.2	Vdc
DC input current	USB bus power	20	/	300	mA
Frequency of operating field (carrier frequency)		13.553	13.56	13.567	MHz
USB transmission voltage	DP to DM	-0.5	/	3.63	V
USB transmission rate	USB I/O	/	1	/	Mbps

2.3 OPERATING CONDITIONS

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Operating temperature		-20	/	+60	℃
Storage temperature	Indoor dry, well-ventilated place	-20	/	+60	℃
Relative humidity	No frost	10	/	90	%
Vibration		/	/	1	G
Ingress protection		/	IP40	/	
Packaging Impact	Drop	/	1	/	M
BTBF	USB bus power	100k	/	/	H

2.4 SOCKET LIFE EXPECTANCY

ITEM	MANUFACTURER	INSERTIONS
USB type A	OUPIIN	5,000

2.5 EMC

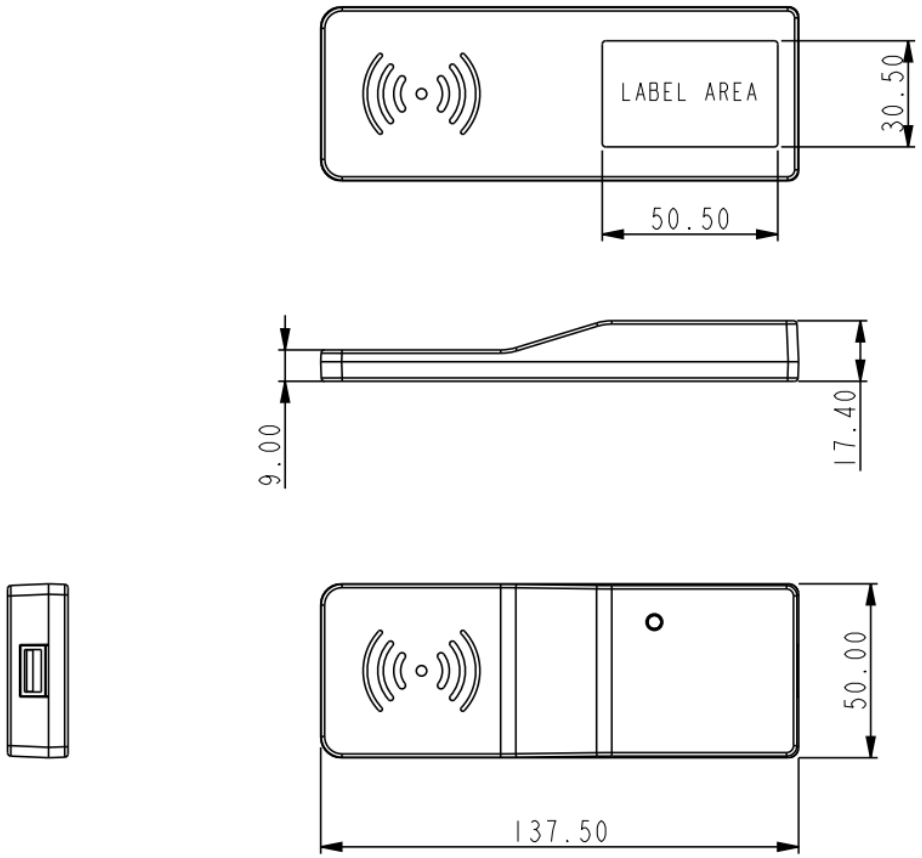
TYPE	Standard	Test level
Electrostatic discharge immunity	IEC61000-4-2	Level 3

2.6 STANDARD CONFORMITY

TYPE	Standard
Radio license	EN 300 330 (EU, UK) FCC 47 CFR Part 15 (USA)
EMC	EN 301 489
Safety & Health	EN 62368-1, EN 50364

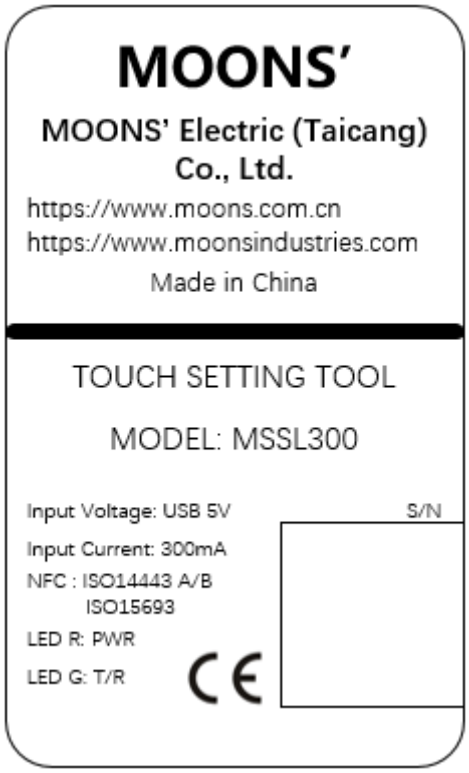
3 MECHANICAL DATA

3.1 DIMENSIONS



Weight: 50g;

3.2 LABEL



3.3 PACKAGE

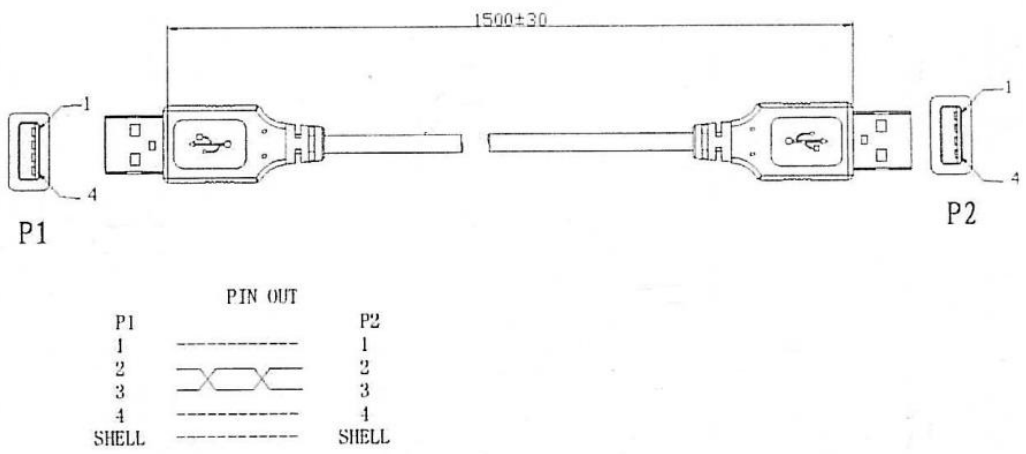
Package dimensions: 210*106*80mm.

Package weight: 210g.

3.4 INTERFACES

- USB type A
  Connect to PC.
- NFC antenna
  Communicate with LED drivers.

3.5 Cable

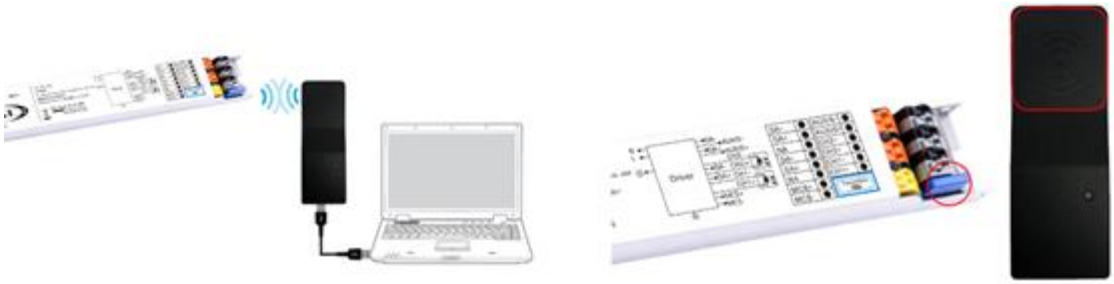


USB CABLE

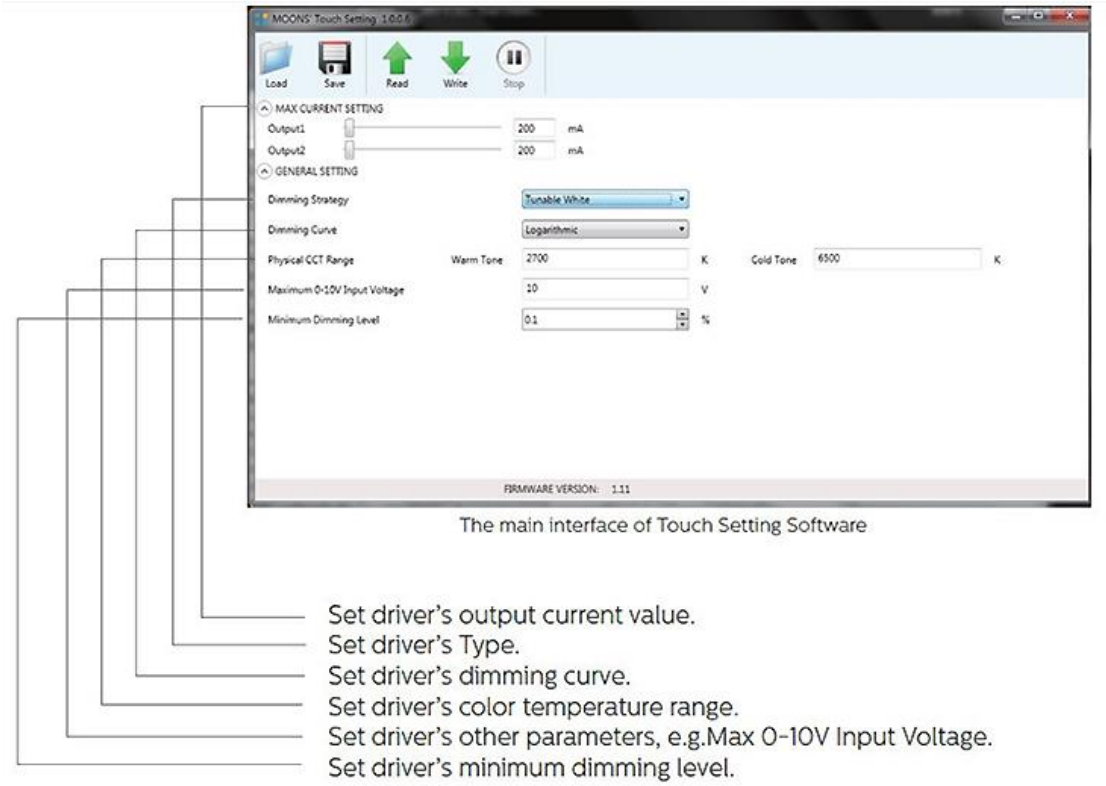
4 INDICATOR LIGHTS

NAME	Color	Status	Indicate
PWR	RED	ON	Power good
		OFF	Power failure
T/R	GREEN	Flash	NFC data transit

5 QUICK START



1. Download and install the MOONS' Touch Setting software.
   The setup file is available in dedicated webpages on
   https://www.moonsindustries.com/series/led-driver-accessories-a1103
2. Connect the MSSL300 to a PC with USB cable.
3. Open the [TouchSetting.exe].
4. Click the read or write button and place the MSSL300's antenna close to the LED driver's antenna area.
5. Then wait for reading or writing finished.



The main interface of Touch Setting Software

6 ORDERING

DESCRIPTION	ORDERING CODE
MSSL300	4696355000199
USB cable	4529101000018

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