DMX Addressing Tool

CD-MT512

Client	
Project	
Order Code	
QTY	

Colordreamer

Thank you for purchasing the Colordreamer DMX Addressing Tool!

Our manual will describe the installation and mounting of the product as well as description of how

to use it. Please read and understand this manual in its entirety before using the product.

Package Contents:

1XDMX Addressing Tool

1XThis Technical Manual

Product Warranty is void if product is not installed as per installation instructions and in compliance with all local and provincial codes.

SAFETY RECOMMENDATIONS AND WARNINGS

Only use this device in dry environments (indoor use)

Do not make modifications or alter the product

Keep away from flammable material.

Do not use chemicals or abrasives to clean the device as this many voids the warranty.

Ensure installation complies with local electrical rules and regulations.

Ensure mains input power is surge protected

Do not connect or disconnect the device while the power is connected.

Connectors are to be kept clean and dry at all times.

Input Voltage range 12-24VDC

Power off the device during service or when not in use.

Twisted pair cable is recommended for data transmission

Avoid unwanted voltage on the DMX cables at all times.

Do not remove any parts from the unit including the plug ground pin or connect to an ungrounded circuit.

To supply this unit with power, first connect the provided power cord to the unit and then to a suitable power outlet.

Product Overview

The CD-MT512 is a powerful DMX Addressing and test tool.it allows for DMX Addressing and Color testing of Lighting products. This Tool is a must for anyone involved with DMX512 installation.

Product Specification

Models	CD-MT512
Electrical	
Input Voltage	12-24VDC
USB Port	USB Type C, cable not included
Power Consumption	2W
Display	4.0-inch (diagonal) all-screen LCD Multi-Touch display
Control	
DMX Outputs	512 DMX Channels
Supported DMX IC	SM18522PH,SM18522PS,SM18512P,SM18512PS,SM17500 UCS512H4LB,UCS512DH,UCS512C1,UCS512C7,UCS512C8, CD
RZ Code Outputs	SPI
Supported RZ Code IC	SM16703,SM16704,SM16824,SM18703 UCS2903,UCS2904B,UCS8903,UCS8904
Physical	
Housing Material	Aluminium
Finish Color	Black
Connector	Removable multi-pin terminal blocks
Dimensions(LXWxH) Body	114X71.2X24.8mm
Weight	200g
Environment	
Operating	-10℃ to +50℃

Temperature	
Storage Temperature	-20℃ to +70℃
Humidity	0-80% non-condensing
IP Rating	Dry, Indoor IP20
Certification	CE

Description of Status LED:

Status LED for Power

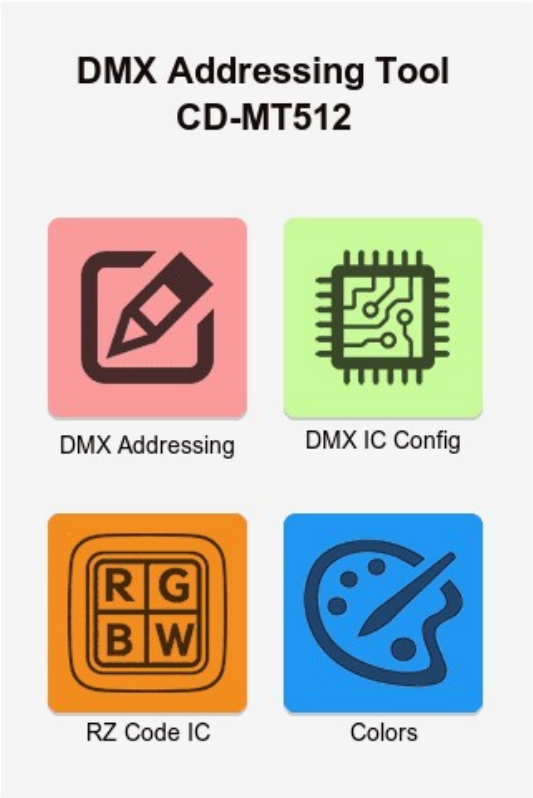
Status	Description
Powered Off	Power cable not connected. The device has no power
Permanently Red:	Connected to Power. Power is on.

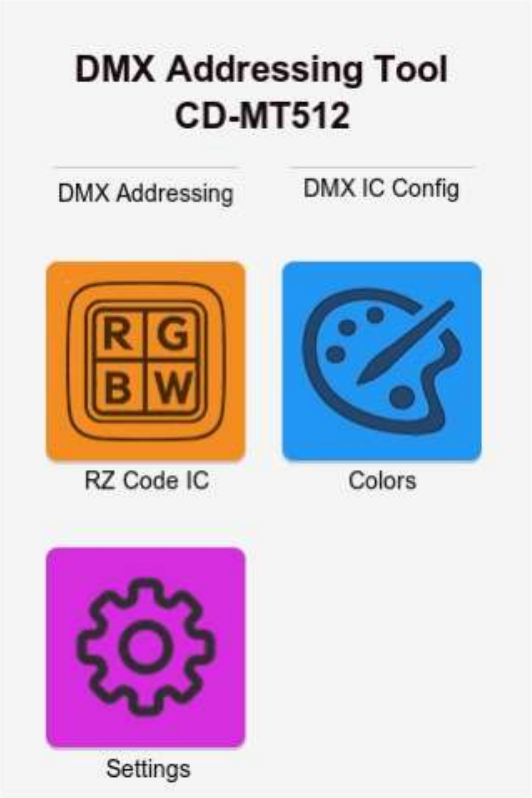
User Guide

Home Screen

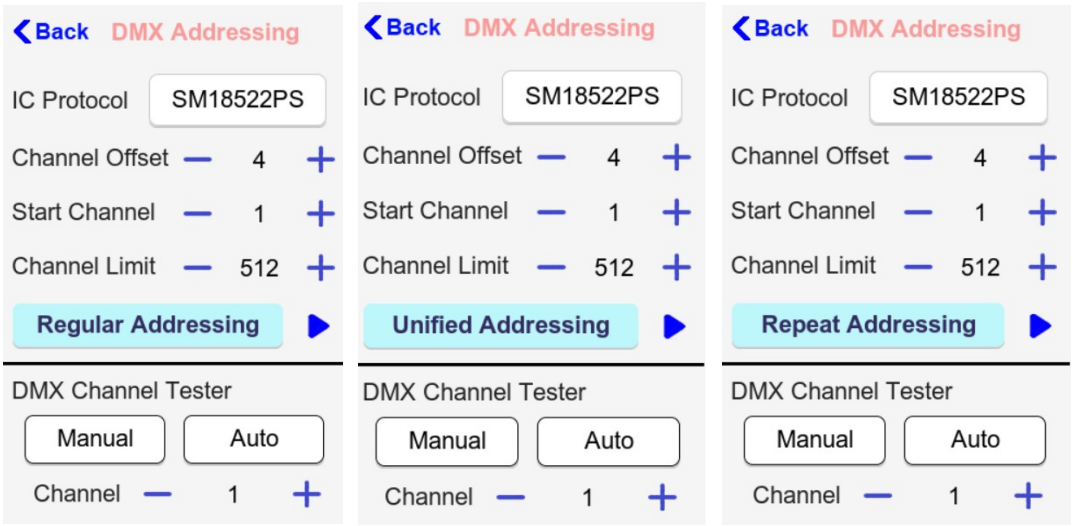
CD-MT512 has 5 modes to assist with all DMX setup. On the Home Screen, click an app icon briefly to open a quick actions menu.

DMX Addressing, DMX IC Config, RZ Code IC, Colors, Settings





DMX Addressing



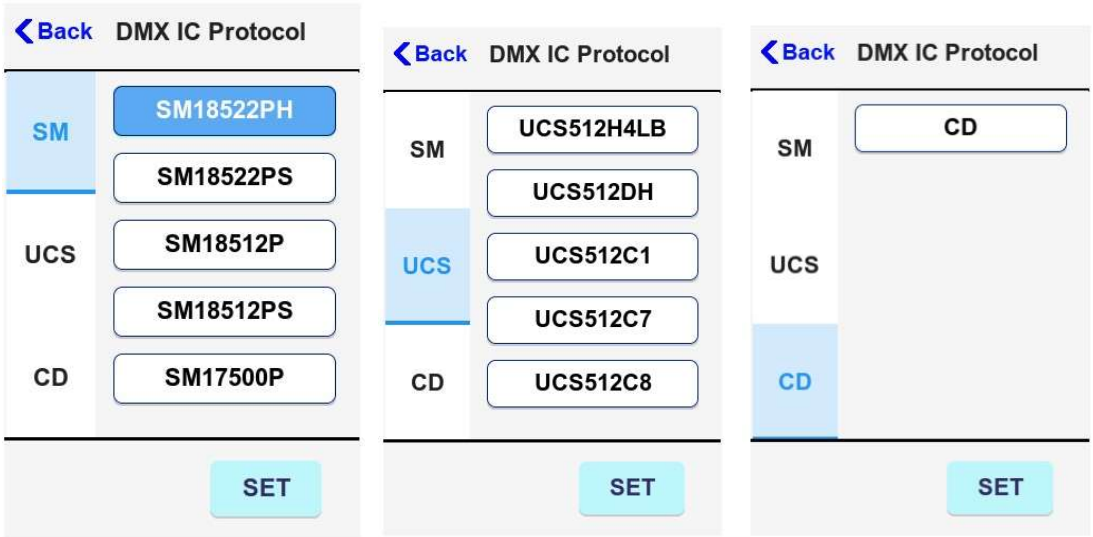
Touch "**DMX Addressing**", you can choose IC Procotol

1: IC Type can be SM/UCS/CD Series

SM: SM18522PH, SM18522PS, SM18512P, SM18512PS, SM17500P

UCS: UCS512H4LB, UCS512DH, UCS512C1, UCS512C7, UCS512C8

CD: CD



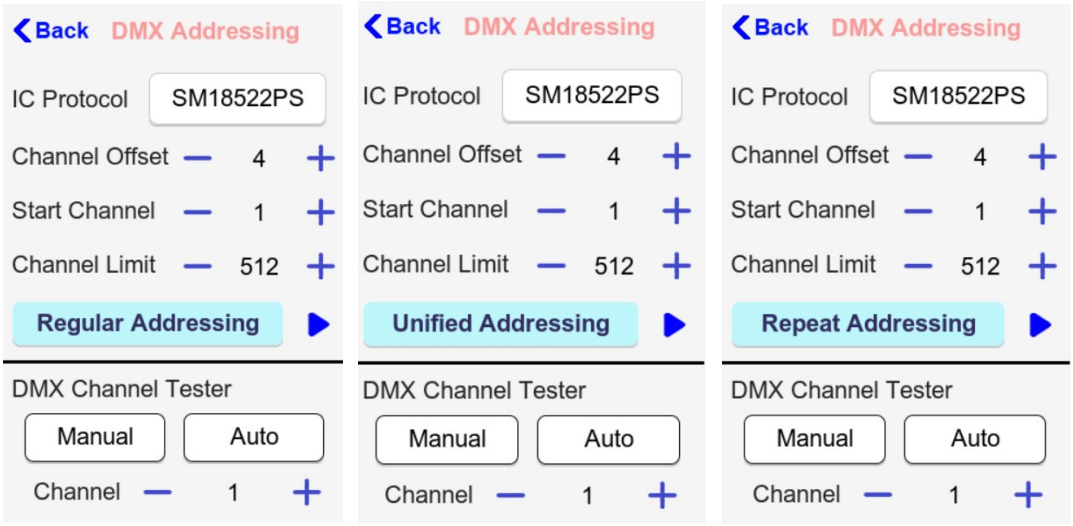
2: Then you need to set "Channel offset": 1/2/3/4

one color is one channel: White color set 1, two color set 2, RGB set 3, RGBW set 4

3: "Start Channel": Default is 1, you can set what you want too.

4: "Channel Limit": max 512

5: Next step to addressing setting: **“Regular Addressing” / “Unified Addressing” / “Repeat Addressing”**



Regular Addressing Mode:User can set each IC as one pixel

Unified Addressing Mode:User can set all ICs to be same address in one daisy chain

Repeat Addressing Mode:User can set several ICs as one pixel

After that, you can test DMX Channel: There are “ Manual” and “ Auto” two optional:

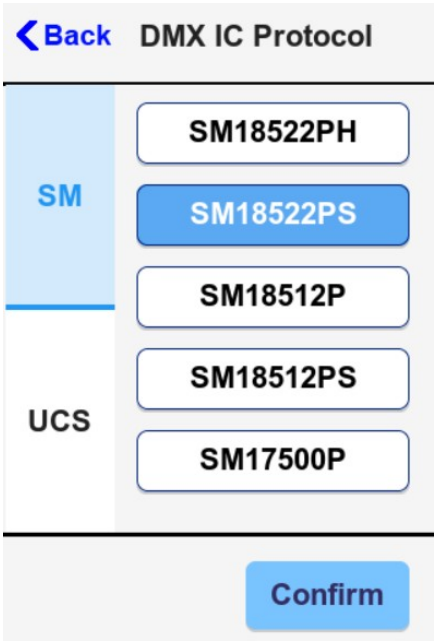
Touch “Auto” to enter auto addressing

Example:

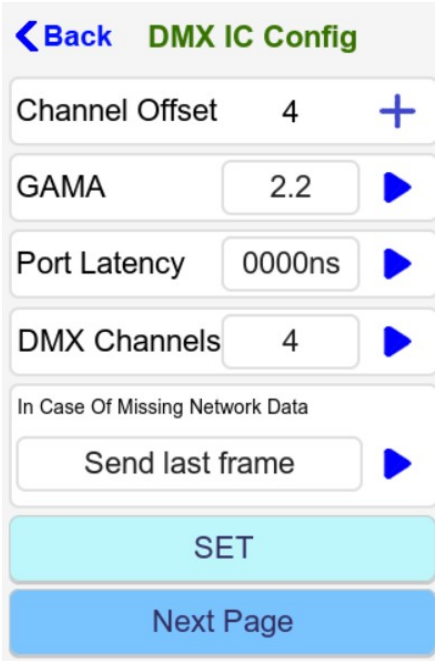
For DMX flexible strip.10Pixels per meter, RGB Color, if you set start address 1, then address will be 1, 2, 3, 4, 5, 6……automatically

DMX IC Configuration

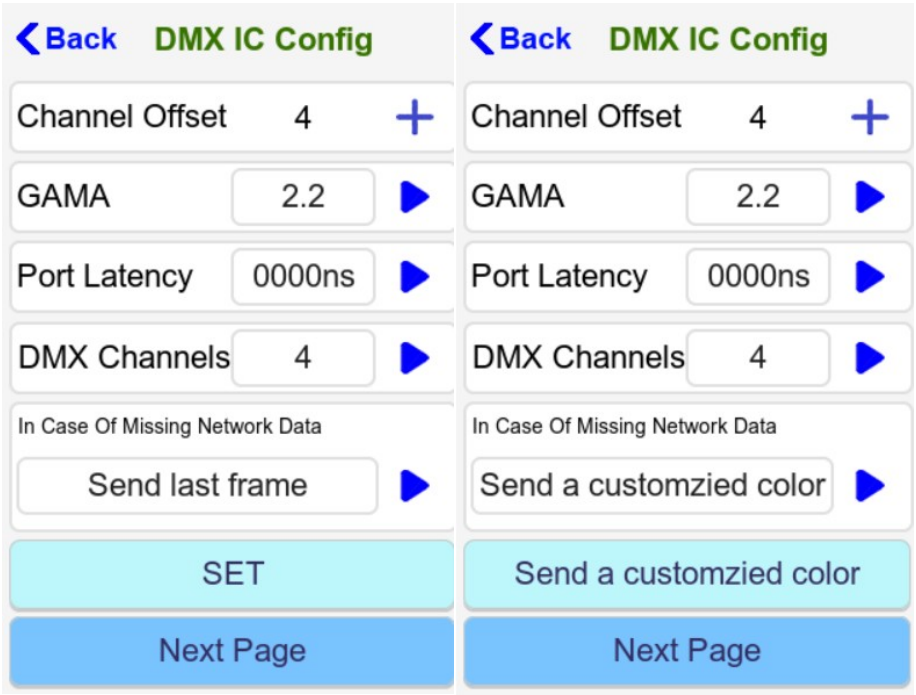
Touch “**IC Configuration**”, choose the IC Protocol what you need: SM/UCS/CD series

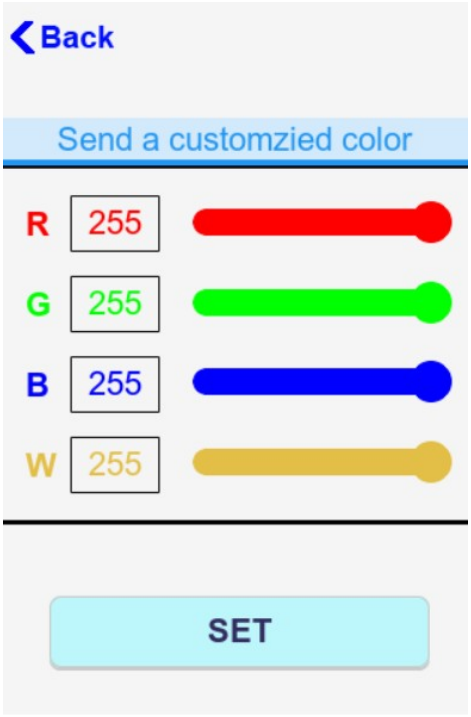


Then set DMX Channels, one color is one channel: White color set 1, two color set 2, RGB set 3, RGBW set 4



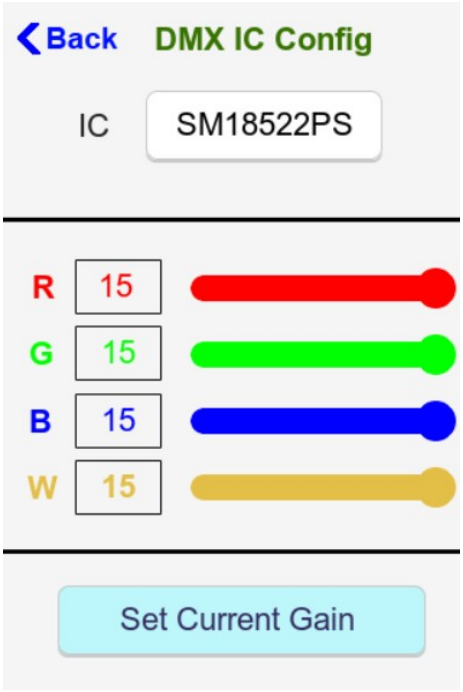
User can set “Send last frame” / “Send a customized color” in case of missing network data



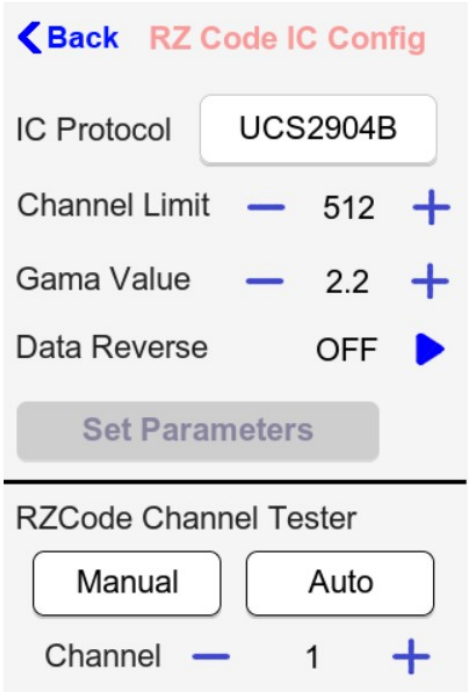


Touch “Send a customized color”, you can see R/G/B/W color setting, set what you want, touch “SET” to confirm.

Touch “Next Page”,user can set current of RGBW Color by pressing Set Current Gain



RZ Code IC Config



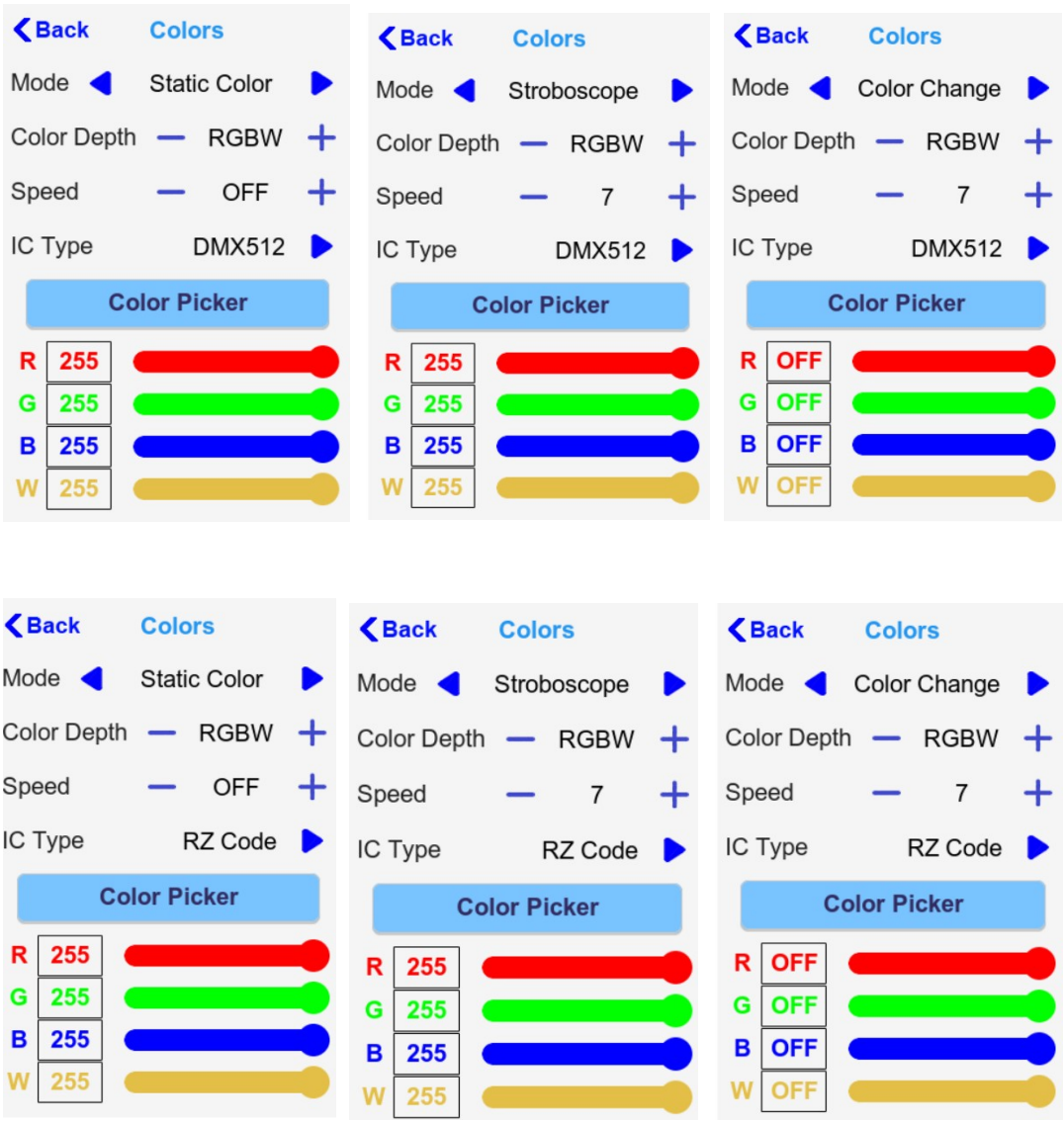
Touch “**RZ Code IC**”, choose the IC you need, IC Type:

SM: SM16703, SM16704, SM16824, SM18703

UCS: UCS2903, UCS2904B, UCS8903, UCS8904

RZ Code only support Channel Testing

Color Test



User can test led fitting color when software is not ready.

Mode: “Static Color” / “Stroboscope” / “Color Change”

Choose IC Type of the led fixtures: DMX512 / RZ Code

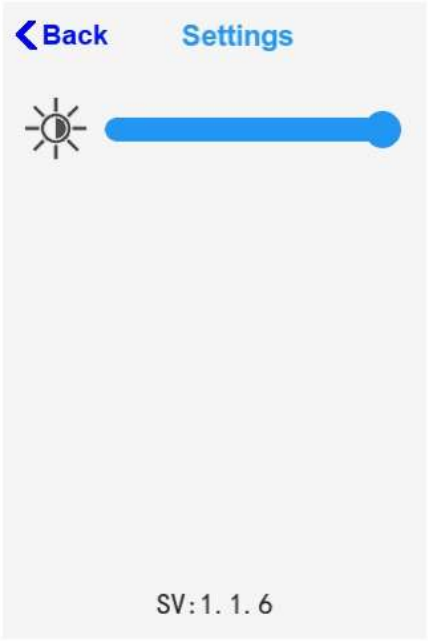
Then touch “Color Picker” to set Color :

Every color channel can have a value between 0 and 255.

0 is the lowest value.

255 is the highest value.

Settings



Enter '**Settings**", you can adjust the brightness of screen.