SN pixel V4.0

//Specification

【Material of hilt】Aluminum alloy 6063　　　　【Material of blade】polycarbonate

【LED Strip】RGB fiberglass light strip　　　　【Speaker】4 O,2 W

【Battery】18650 3200 mAh　　　　　　　　【Blade length】82/92cm

【Average use time of full power state】4hours　【Charging time】2 hours

【Sound fonts】**27sets**(LUKE/OBK/VADAR/ANAKIN/MAUL/ASHOKA/CARL/YODA/KYLO/SK/DARK SABER…)

【Blade effects】 **9**

【Ignition effect】 **11**

【What is include】Hilt*1、Blade*1、Charger*1、Screw bag*1　Instruction*1

* Power up prompt when the battery is properly installed

* Charge prompt when the battery is properly charged

We suggest insert blade and screw properly before you go into any operate

SINGLE BUTTON/Button operate

Standby mode：Usually refers to the state where the button light is on but the blade light effect is not turned on

Boot status：Usually refers to the state where the button light is on and the blade light effect is turned on

You can switch pixel number Between 82cm and 92cm when power off by Click button 3 times

Button Operation in standby mode

• Enter standby mode：Long press the button until the button light is on

• Volume adjust：Long press the button until the breathing light flashes once, then release it

• Switching boot effect：Long press the button until the breathing light flashes 2 times, then release it

• Switch blade effect：Long press the button until the breathing light flashes 3 times, then release it

• Switch sound fonts ：Long press the button until the breathing light flashes 4 times, then release it

• Power saving mode：Automatically enter power saving mode if there is no operation in 10 minutes

• Enter boot status：Click button after you enter standby mode

Button Operation in Boot Status

• Blaster：Quick click

• lock-up：Long press the button until the breathing light flashes once, then release it

• Switch blade color：Long press the button until the breathing light flashes 2 times, then release it
• FOC on/off：Long press the button until the breathing light flashes 3 times, then release it
• Turn off：Long press the button until the breathing light flashes 4 times, then release it

SINGLE BUTTON/Gesture

Operation in standby mode

• Switch sound fonts：Point blade upward，hold button and twist the hilt
• Switch BGM：Point blade downward，hold button and twist the hilt
• Enter boot status：Twist on

Operation in Boot Status

• Turn off: Twist off
• Switch blade color：Point blade downward，hold button and twist the hilt
• Force：Point blade upward，hold button and twist the hilt
• FOC：hilt the blade
• Drag：Hold the button and hilt the blade
• Melt：Hold the button and thrust the blade horizontally forward

Two BUTTON/Button operate

(When buttons are distributed up and down：Upper button is main button-lower button is AUX button；When the buttons are distributed left and right：left button is main button-right button is AUX button)

You can switch pixel number Between 82cm and 92cm when power off by Click main button 3 times

Button Operation in standby mode
• Switch sound fonts：Click Aux button
• Volume adjust：Hold the Main/AUX button at the same time, release it after hearing the prompt tone to enter the volume adjustment mode, then click the main button to increase the volume, and click the sub button to decrease the volume. To exit this mode, you need to press and hold the Main/AUX button at the same time and release it after hearing the beep
• Switching boot effect：Press and hold the main button for 1 second and hear the beep and release it
• Switch blade effect：Press and hold the sub-button for 1 second and hear the beep and release it
• Power saving mode：Automatically enter power saving mode if there is no

operation in 10 minutes

- Enter boot status：Click button after you enter standby mode
- Turn off：Click AUX button 3 times

Button Operation in Boot Status

- Turn off：Click main button
- Blaster：Click AUX button
- Lock-up：Press and hold the main button for 1 second and hear the beep and release it
- FOC off/On：FOC can be turned on or off by pressing and holding the main and AUX buttons at the same time

Two BUTTON/Gesture

Operation in standby mode

- Switch sound fonts：Point blade upward，hold AUX button and twist the hilt
- Switch BGM：Point blade downward，hold AUX button and twist the hilt
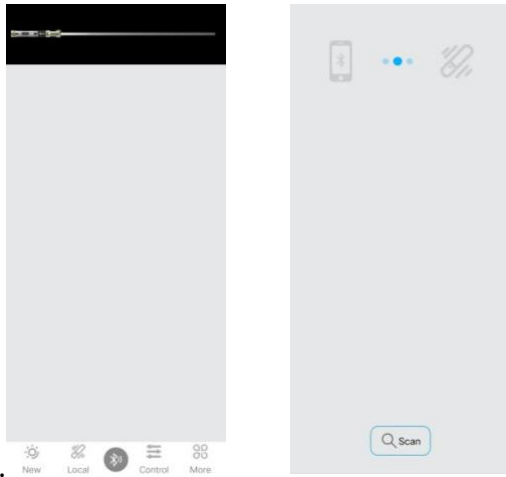- Enter boot status：Twist on

Operation in Boot Status

- Turn off: Twist off
- Switch blade color：Point blade downward，hold AUX button and twist the hilt
- Force：Point blade upward，hold AUX button and twist the hilt
- FOC：hilt the blade
- Drag：Hold the Main button and hilt the blade
- Melt：Hold the AUX button and thrust the blade horizontally forward

Bluetooth connection：

1. Scan the QR code at below then download and install the APP（Available for Android only. Please note the APP is confirmed safe to download）

2,Turn on the Bluetooth of the mobile phone and enter the APP for operationa,Click on the Bluetooth icon,and click the Scan button

3.You will hear a beep when you successfully connect to Bluetooth，Then you are ready to control the lightsaber and adjust the lightsaber parameters（The blade must be installed before using the Bluetooth function）

Config setting：

Remove the SD card from the lightsaber. And use the SD card reader to connect with the computer.

1. Upgrade the new firmware(if needed)
a) Replace the existing ota files with the new ota files on the SD card
b) There will be an update tone(upgrade start) when the SD card is installed
c) The upgrade is complete after the prompt tone(upgrade success) is displayed

1. Customize lightsaber parameters
a) Open the set folder in the SD card and find the config file to edit（please make sure you will only save one config file in SD card ）
b) Pixel number setting for main blade
PixelNumber=132（The value ranges from 0 to 144, 132=92cm/36inch blade, 116=82cm/32inch blade）
c) Pixel number setting for side blade(if have)
SubPixelNumber=132（The value ranges from 0 to 144, 132=92cm/36inch blade, 116=82cm/32inch blade）
d) Side blade delay time setting(if have)
SubBladeDelay=200(200 is 200ms, you can set it at any value)
e) Volume setting
MixerVolumeMax=4500（It can be set to a value between 0 and 4500）
f) Clash sensitivity setting
ClashSensitivity=10（Can be set to a value between 0 and 10）
g) Gesture mode setting
TwistPwrOn=1（1 means on, and 0 means off）
TwistPwrOff=1（1 means on, and 0 means off）

h) Twist sensitivity setting

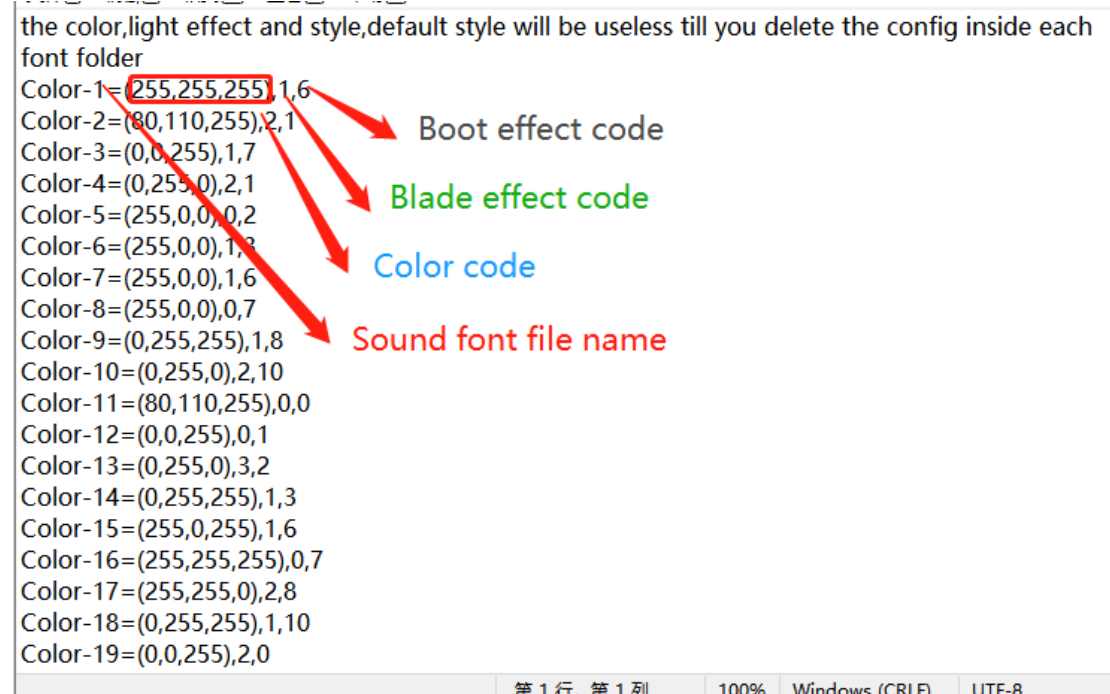TwistSensitivity=5 （Can be set to a value between 0 and 10）

i) Swing on setting

SwingPwrOn=1 （1 means on, and 0 means off）

j)Swing on sensitivity setting

SwingPwrOnSensitivity=6 （Can be set to a value between 0 and 10）

j) Combine with sound font and default blade color, blade effect and boot light effect

2. Customize the sound fonts

Make sure the replaced or added sound folder is in the following format： xxx (x).wav

    Blast: blst (x).wav

    Clash: clsh (x).wav

    Drag: drag (x).wav

    Font name display: font (x).wav

    Hum: hum (x).wav

    Font boot music: in (x).wav

    Lock up music: lock (x).wav

    Font off music: out (x).wav

    Swing sound: swingh (*).wav swingl (*).wav

    bgm track (*).wav

a) Sound font replace

Change the name of the new sound effect pack to the name of the sound effect pack that needs to be replaced, and replace the original sound effect pack

b) Delete sound fonts

Delete the soundfont pack from SD card directly

c) Add new soundfont

Put the added new sound font package directly into the SD card