WiFi WLED I User Guide

:: WiFi Mode, Button Mode and Flash Mode ::

0, All the software and user guides are free downloads at web site: www.wenfree.com

1, If a custom procedure (Flash mode X) has been programmed into the control box by the WS10MS06 software, the system starts with Flash mode X after power on.

2, The Flash mode X could be erased by WS10MS06 software or by pressing down **S** key when plugged in power.

3, If the Flash mode X is stopped by pressing ■ button, the control box goes to Button mode (manual operation).

4, If there is no Flash mode X programmed, the control box will start with WiFi mode.

5, In WiFi mode the ▲ ▼ ■ **S** 4 buttons are of no function. PC software takes control over the control box.

6, In WiFi mode the control box tries to connect to the WiFi AP. In case of success, the acquired IP address appears in the LCD display such as "192.168.0.108".

7, The WiFi connection may take from a few seconds to half a minute if the re-try happens.

8, Press the **M** button(Mode) to switch between WiFi mode and Button mode. The mode change can only be done when the WLED is off. In WiFi mode, the display shows the IP address and in Button mode the 0% power output and 0 mA current consumption.

9, In Button mode, ▲ button is used to increase 5 % power output, ▼ button to decrease 5% power output, ■ button to turn off the WLED.

10, When the WLED is on, the 16-char display shows: 1~8th char for % power output and 9~16th char for current consumption (mA).

11, There are 9 built-in pre-defined pattern operation which is called Flash mode 1~9. In Button mode, press **S** button to enter the Flash mode.

12, In the Flash mode, use **S** button to select different Flash mode. The LCD display shows No. of mode in which the control box works. Pressing ■ button stops and leaves the Flash mode 1~9.

13, In Flash mode X and 1~9, ▲ button can lengthen the repeat cycle and ▼ button shorten the cycle. The last 2 char in the LCD display shows the speed. " 0" means normal. Every "-1" shortens 25% of the previous cycle and every "+1" lengthens 33% of the previous cycle. The shortest is "-4" and the longest is "+4".

14, In WiFi mode if for any reason the control box loses the connection with WiFI AP during LED on, 30 seconds later the control box will stop the LED and tries to connect to WiFi AP again. If connected, wait for PC software's new instruction.

:: How to Connect the control box to a WiFi AP ::

For the very first time to connect to a WiFi access point:

1, Pressing ▲ button down when plugging in the DC power. The control box will search for available SSID around. The first SSID will be shown in the LCD display.

2, Press ▼ button until the right SSID appears. Press **S** button to select.

3, Next enter the password. Use ▲ button for upward char change, ▼ button for downward char change to go through space, 0~9, a~z, A~Z circularly (space char is no use). Use ■ button to confirm and move right to next char. Press **S** button to complete the password and start WiFi connection.

4, In case of success, the IP address appears in the LCD display. The control box will memorize and automatically apply the SSID and password next power-on.
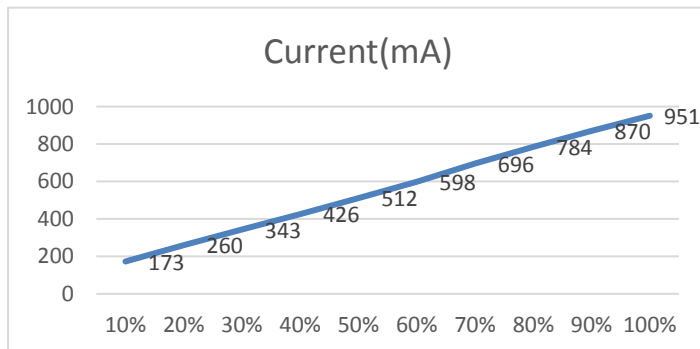
:: Product Specification ::

AC Adaptor: Input 100~240V 50/60Hz 0.4A, output DC 12V 1.5A, over-current shutdown

Control box: Input DC 12V, output 4-wire connector (2 pins used)

WLED: IP68 level 2 meter white LED strip (120 pcs 5050 chips) with power and data wires

The below is a rough current chart for reference.

Current consumption varies because of AC adaptor voltage drift and device precision inside the control box. Therefore, +-15% is possible.

One-year warranty from the date of purchase, does not cover misuse, accident and abuse.

:: WiFi 模式、按鍵模式和 Flash 模式 ::

0, 所有的軟體和使用手冊都可以在網頁 www.wenfree.com 自由下載。

1, 如果控制盒曾經被軟體 WS10MS06 燒入一個客製化的控制程序〔Flash mode X〕，在插入電源後控制盒會直接執行 Flash mode X。

2, 要抹除 Flash mode X 可以使用軟體 WS10MS06，或按住 **S** 鍵時插入電源。

3, 如果按■ 鍵來終止 Flash mode X，控制盒會進入按鍵模式〔手動操作〕。

4, 如果電源插入時沒有 Flash mode X，控制盒會以 WiFi 模式起始。

5, 在 WiFi 模式底下 ▲ ▼ ■ **S** 這四個按鍵沒有任何功能。此時電腦上的軟體可以掌控此控制盒。

6, 在 WiFi 模式底下控制盒會嘗試去連接 WiFi 分享器。假使成功，從分享器獲取的 IP 位址會出現在 LCD 顯示螢幕上，樣子就像 "192.168.0.108".

7, 與 WiFi 分享器連接的時間可能需要幾秒到半分鐘，如果發生 re-try 的情況會長一點。

8, 按 M 鍵〔Mode〕可以在 WiFi 模式和按鍵模式間切換。但是只能在白光 LED 全暗時，才能切換模式。在 WiFi 模式下，螢幕顯示 IP 位址。在按鍵模式下，則是顯示 0%輸出出力和 0 mA 消耗電流。

9, 在按鍵模式底下，▲按鍵是用來增加 5%的輸出出力，▼鍵是用來減少 5%的輸出出力，■鍵用來使白光 LED 全暗。

10, 當白光 LED 打亮時，16 個字元的螢幕顯示：第 1~8 字元是幾%的輸出出力。第 9~16 字元則是所消耗的電流〔mA〕。

11, 控制盒中有內建事先定義的 9 種工作模式，叫做 Flash mode 1~9。在按鍵模式底下，按 **S** 鍵來進入 Flash mode。

12, 在 Flash mode 時，按 **S** 鍵可以切換不同的 Flash mode。LCD 顯示螢幕會出現控制盒正在工作的 Flash mode 編號。按下■ 鍵會中止並離開 Flash mode 1~9。

13, 在 Flash mode X 或 1~9 下，按▲鍵可以加長反覆顯示的週期時間，而按▼鍵則可以縮短週期時間。LCD 顯示螢幕的最後兩個字元用來顯示速度。" 0"代表正常。每一次"-1"會縮短 25%原先的週期。每一次"+1"會加長 33%原先的週期。最短是"-4"而最長是"+4"。

14, 在 WiFi 模式下，當 LED 亮著時，如果因為任何原因控制盒失去與 WiFi 分享器的連線，30 秒後燈條會暗下來，控制盒會重新與 WiFi 分享器連線，如果連上，控制盒將會靜待電腦軟體的新指示。

:: 如何連接控制盒到 WiFi 分享器 ::

最初第一次要連接 WiFi 分享器：

1, 接入控制盒直流電源時，按住▲鍵。控制盒會尋找附近的分享器 SSID。第一個 SSID 將會出現在 LCD 顯示中。

2, 按▼鍵直到正確的 SSID 出現。按 **S** 鍵來確認選擇。

3, 接下來輸入密碼。使用▲鍵往上挑選字元，▼鍵往下挑選字元，字元以空白鍵, 0~9, a~z, A~Z 循環順序出現〔空白鍵為無用〕。使用■鍵來確認並右移到下一個字元。完成密碼輸入後，按 **S** 鍵來確認選擇，並開始 WiFi 連接。

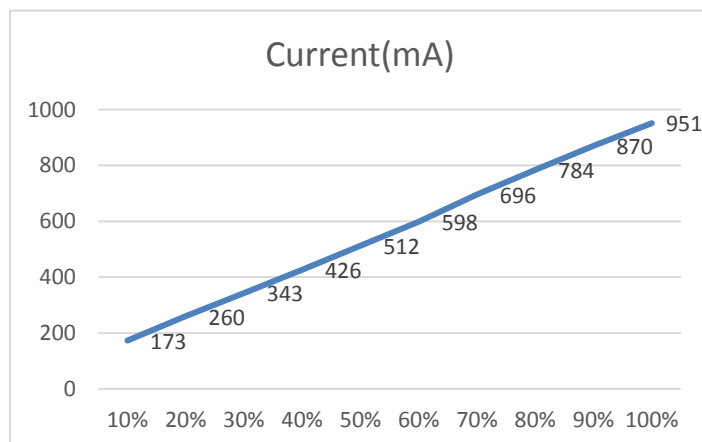4, 如果連接成功，IP 位址將會出現顯示幕中。控制盒會記憶，並且在下次電源重開時，自動應用 SSID 和密碼來連接。

:: 產品規格 ::

交流變壓器: 輸入 100~240V 50/60Hz 0.4A, 輸出 DC 12V 1.5A, over-current shutdown protection
控制盒: 輸入 DC 12V, 輸出 4-wire connector (2 pins used)
白光 LED: IP68 等級 2 公尺長白光 LED 燈條〔120 顆 5050 晶片〕和電源、資料兩條接線
下面是白光 LED 參考用的簡略的電流曲線圖。

Current(mA)

10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
173	260	343	426	512	598	696	784	870	951

消耗電流之值會因為交流變壓器的輸出電壓漂移或控制盒中元件精準度不同而有所差異。因此，+-15% 的誤差是可能的。

從購買之日開始，一年保固保證，但不包含誤用、意外或濫用。