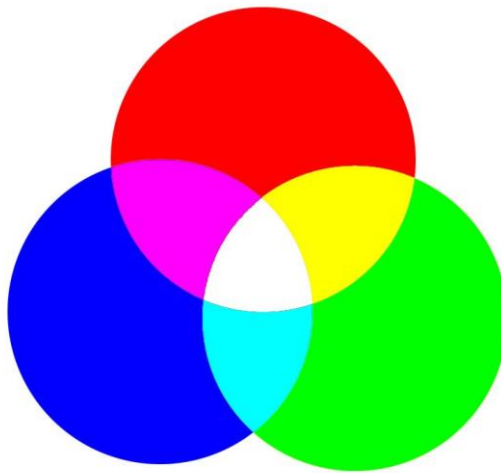
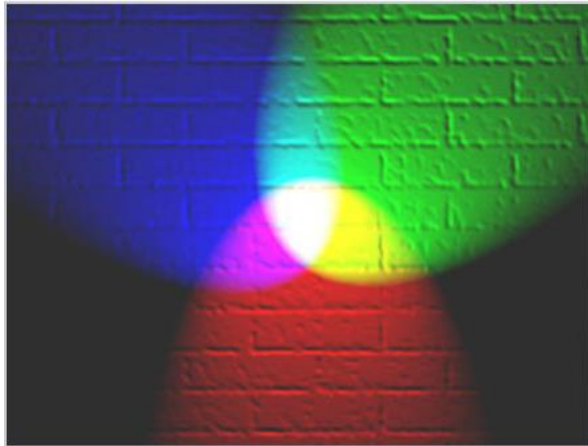


SI-100 Command Manual



Overview

SI-100 is a LED display module that attached with KT/TK Series terminal. It build-in three colors LED, Red, Green and Blue. And there are several display modes can be use. For example cross-fading, flash and breathing etc. This document guide all control commands and usage of SI-100.

Interface

SI-100 only can be controlled through Virtual COM of KT/TK terminal. Please be sure to complete the Virtual COM driver installation of this module before use. Please download our Virtual COM driver from our web site, and follow the VCOM driver installation guide for the detail installation steps. (“USB Printer VCOM Drivers Installing Guide.pdf”)

Read Command

Command : 0x1D 0x4C 0x44 0x56 0x45 [Byte5 ~ Byte15]

| Byte0 | Byte1 | Byte2 | Byte3 | Byte4 | Byte5~Byte15 |
|-------|-------|-------|-------|-------|--------------|
| 0x1D | 'L' | 'D' | 'V' | 'E' | 0x00 |

Description: Read SI-100 Firmware Version

Feedback : 5 bytes

| Bit Index | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
|--------------|---------------------|---|---|---|---|---|---|---|
| Byte1='L' | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 |
| Byte2='D' | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |
| Byte3='1' | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| Byte4='1' | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 |
| Byte5 | OK=0xFF , FAIL=0x00 | | | | | | | |

For Example: Firmware version is "SI11"

Write Commands

Command : 0x1D 0x4C 0x44 0x53 0x4D 0x4F 0x4F 0x54 0x48

[Byte9 ~ Byte15]

| Byte 0 | Byte1 | Byte2 | Byte3 | Byte4 | Byte5 | Byte6 | Byte7 | Byte8 | Byte9~Byte15 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| 0x1D | 'L' | 'D' | 'S' | 'M' | 'O' | 'O' | 'T' | 'H' | 0x00 |

Description: Set SI-100 to run Smooth LED Show

Feedback : None

Command : 0x1D 0x4C 0x44 0x46 0x4C 0x41 0x53 0x48

[Byte8 ~ Byte15]

| Byte0 | Byte1 | Byte2 | Byte3 | Byte4 | Byte5 | Byte6 | Byte7 | Byte8~Byte15 |
|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| 0x1D | 'L' | 'D' | 'F' | 'L' | 'A' | 'S' | 'H' | 0x00 |

Description: Set SI-100 to run Flash LED Show

Feedback : None

Command : 0x1D 0x4C 0x44 0x43 0x4F [Byte5 ~ Byte7]

[Byte8 ~ Byte10] [Byte11 ~ Byte15]

| Byte0 | Byte1 | Byte2 | Byte3 | Byte4 |
|-------|-------|-------|-------|-------|
| 0x1D | 'L' | 'D' | 'C' | 'O' |

| Byte5 | Byte6 | Byte7 |
|---------------------------------|-----------------------------------|----------------------------------|
| Brightness of Red: 0x00~0x13 | Brightness of Green: 0x00~0x13 | Brightness of Blue: 0x00~0x13 |

| Byte8 | Byte9 | Byte10 | Byte11~Byte15 |
|------------------------------|------------------------------|---------------------------------------|---------------|
| Duration: (sec) 0x00~0x3B | Duration: (min) 0x00~0x3B | 0x00: Normal Mode 0x02: Blink Mode | 5 0x00 |

Description: Change Color/Duration and then run LED show

Feedback : None

Command : 0x1D 0x4C 0x44 0x42 0x5C [Byte5 ~ Byte7]

[Byte8 ~ Byte10] [Byte11 ~ Byte15]

| Byte0 | Byte1 | Byte2 | Byte3 | Byte4 |
|-------|-------|-------|-------|-------|
| 0x1D | 'L' | 'D' | 'B' | 'R' |

| Byte5 | Byte6Byte15 |
|--|-------------|
| Brightness of Red: 0x00: Red 0x01: Green 0x02: Blue 0x03: Yellow 0x04: Purple 0x05: Cyan | 0x00 |

Description: Change Color and then run LED Breath show

Feedback : None

Command : 0x1D 0x4C 0x44 0x53 0x54 0x4F 0x50 [Byte7 ~ Byte15]

| Byte0 | Byte1 | Byte2 | Byte3 | Byte4 | Byte5 | Byte6 | Byte7~Byte15 |
|-------|-------|-------|-------|-------|-------|-------|--------------|
| 0x1D | 'L' | 'D' | 'S' | 'T' | 'O' | 'P' | 0x00 |

Description: Stop all display on SI-100 immediately. Please note this command doesn't effect for "0x1D 'L' 'D' 'C' 'O' command.

Feedback : None

Command : Red LED Keeping light up

SI-100 supported "Red" LED keeping light up automatically when windows system is crashed.

This function will be triggered when windows is installed "Posiflex PosWDT service utility" and this utility stop working.

This function only effect for our Kiosk terminals, such as TK-3230/TK-3250 terminal etc. In regard to the detail for this "PosWDT" Service program, please refer to "PosWDT Guide" for further information.