LED control command 0x0024 (CMD_SLED_CTRL) for instruction set B (new protocol)

- [Function]

  Select LED (red, green, blue) and define the display state (on / off, tapering / fading, breathing, fast / slow flashing).

- [Working process]

  If the host sends a CMD_SLED_CTRL instruction, it returns ERR_SUCCESS.

- [Command and response]

PREFIX	0xAA55
SID	Source Device ID
DID	Destination Device ID
CMD	0x0024
LEN	2/4 2: standard control (blue light on / off); 4: red, green and blue tricolor special need control
DATA	Select LED and define LED status
PREFIX	0x55AA
SID	Source Device ID
DID	Destination Device ID
RCM	0x0024
LEN	2
RET	ERR_SUCCESS
DATA	0

Table 1-instruction CMD_SLED_CTR

LED selection (red, green, blue) and prompt status (on / off, tapering / fading, breathing, fast / slow flashing) description

DATA (2/4 Bytes)	Byte1	Byte 2	Byte 3	Byte 4	备注
Standard control	0: Off 1: On	0	0	0	blue
Red, green and blue. Special lamp control	Display statu	Start color. Bit0= green. Bit1= red. Bit2= blue	End Color. Bit0= green. Bit1= red. Bit2= blue	Times	Alternating, tapering / closing, etc. Byte2,3 sets red, green and blue to a single color.
	1: breathe. 2: flash. 3: normally open. 4: normally closed. 5: gradually open. 6: gradual clearance. 7: slow flash	1: green. 2: red. 4: blue	1: green. 2: red. 4: blue	0: permanent. N: breathing, flickering times	

Example:：

1. Standard control:

The blue light is bright:

55 aa 00 00 24 00 02 00 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 26 01

Blue light off:

55 aa 00 00 24 00 02 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 25 01

2. Special needs control of red, green and blue

2.1 On / off (normally open: Byte1=0x03; normally closed: Byte1=0x04)

A.The blue light is bright.：

55 AA 00 00 24 00 04 00 03 04 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2E 01

B.Blue light off：

55 AA 00 00 24 00 04 00 04 04 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2F 01

C.The red light is on.：

55 AA 00 00 24 00 04 00 03 02 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2C 01

D.Red light off：

55 AA 00 00 24 00 04 00 04 02 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2D 01

E.The yellow light is on (red and green at the same time)：

55 AA 00 00 24 00 04 00 03 03 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2D 01

F.The white light is bright (red, green and blue)：

55 AA 00 00 24 00 04 00 03 07 00 00 00 00 00 00 00 00 00 00 00 00 00 00 31 01

2.2 breathing (Byte1=0x01)

A. Blue light breathing：

55 AA 00 00 24 00 04 00 01 04 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2C 01

A. Yellow light breathing：

55 AA 00 00 24 00 04 00 01 03 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2B 01

A. Alternating red and blue breathing：

55 AA 00 00 24 00 04 00 01 02 04 00 00 00 00 00 00 00 00 00 00 00 00 00 2E 01

A. Red and blue breath 9 times alternately.：

55 AA 00 00 24 00 04 00 01 02 04 09 00 00 00 00 00 00 00 00 00 00 00 00 37 01

2.3 Flash (Byte1=0x02)

A.Red light flash：

55 AA 00 00 24 00 04 00 02 02 00 00 00 00 00 00 00 00 00 00 00 00 00 00 2B 01

B.Yellow light (red and green at the same time) flash 9 times：

55 AA 00 00 24 00 04 00 02 03 00 09 00 00 00 00 00 00 00 00 00 00 00 00 35 01

C. Red and blue flash alternately：

55 AA 00 00 24 00 04 00 02 02 04 00 00 00 00 00 00 00 00 00 00 00 00 00 2F 01

2.4 Involute / fade (involute: Byte=0x05; fade: Byte1=0x06)

A.Red and blue gradually open:

55 AA 00 00 24 00 04 00 05 02 04 00 00 00 00 00 00 00 00 00 00 00 00 00 32 01

B.Red and green turn off gradually:

55 AA 00 00 24 00 04 00 06 02 01 00 00 00 00 00 00 00 00 00 00 00 00 00 30 01

2.5 Slow flash (Byte1=0x07)

A.Red light flashing slowly

55 AA 00 00 24 00 04 00 07 02 00 00 00 00 00 00 00 00 00 00 00 00 00 00 30 01

B. Red and blue alternating slow flash:

55 AA 00 00 24 00 04 00 07 02 04 00 00 00 00 00 00 00 00 00 00 00 00 00 34 01

C.The yellow light (red and green at the same time) flashes slowly for 9 times:

55 AA 00 00 24 00 04 00 07 03 00 09 00 00 00 00 00 00 00 00 00 00 00 00 3A 01