

# KLS12 commander code

Note: TCP connection (TCP Clinet), server IP: 192.168.250.250, port: 18100, IP is default and can be modified, mainly based on actual modification.

## 1、 device connection

Send command:

d2 02 96 49 1c 00 00 00 00 00 00 00 01 01 80 00 e9 00 01 00 00 ea 0d 0a 2e fd 69 b6

Return data:

d2 02 96 49 1c 00 00 00 00 00 00 00 01 01 08 00 e9 00 01 98 01 83 0d 0a 2e fd 69 b6

## 2、 call mode

Send command:

Call mode 01

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 11 01 00 fb 0d 0a 2e fd 69 b6

Call mode 02

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 11 02 00 fc 0d 0a 2e fd 69 b6

Call mode 03

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 11 03 00 fd 0d 0a 2e fd 69 b6

Call mode 04

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 11 04 00 fe 0d 0a 2e fd 69 b6

Call mode 05

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 11 05 00 ff 0d 0a 2e fd 69 b6

Call mode 06

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 11 06 00 00 0d 0a 2e fd 69 b6

Note: The red background number is the checksum, e9 is before the red background number

For example: fb=e9+00+11+01+00, the checksum only takes the last two digits

Return data:

Successful call

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 01 11 aa aa 4f 0d 0a 2e fd 69 b6

Current mode does not match save mode

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 01 11 11a aa 4f 0d 0a 2e fd 69 b6

No save mode

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 01 11 22 aa 4f 0d 0a 2e fd 69 b6

## 3、 switch signal

Send command:

Switch signal source S1

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 09 00 00 f2 0d 0a 2e fd 69 b6

Switch signal source S2

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 09 00 01 f3 0d 0a 2e fd 69 b6

Switch signal source S3

d2 02 96 49 1c 00 00 00 00 00 00 00 01 20 08 00 e9 00 09 00 02 f4 0d 0a 2e fd 69 b6

Switch signal source S4

d2 02 96 49 1c 00 00 00 00 00 00 01 20 08 00 e9 00 09 00 03 f5 0d 0a 2e fd 69 b6

Switch signal source S5

d2 02 96 49 1c 00 00 00 00 00 00 01 20 08 00 e9 00 09 00 04 f6 0d 0a 2e fd 69 b6

Switch signal source S6

d2 02 96 49 1c 00 00 00 00 00 00 01 20 08 00 e9 00 09 00 05 f7 0d 0a 2e fd 69 b6

Return data:

switch success

d2 02 96 49 1c 00 00 00 00 00 00 01 20 08 00 e9 01 09 00 ff f2 0d 0a 2e fd 69 b6

#### 4、bright adjustment

1) Write Brightness Contrast:

Send command:

D2 02 96 49 1A 00 00 00 00 00 00 21 20 06 00 00 AC 01 3A 0A 0F 2E FD 69 B6

Description: The red font 0A is the contrast, and 0F is the brightness value, which is modified according to the adjustment value.

Brightness value is 100 (decimal), 64 hex

2) Read Brightness Contrast:

Send command:

D2 02 96 49 1A 00 00 00 00 00 00 22 20 06 00 00 AB 11 3A 00 02 2E FD 69 B6

Return data:

D2 02 96 49 16 00 00 00 00 00 00 22 20 02 00 0A 0F 2E FD 69 B6

Description: The red font 0A is the contrast, and 0F is the brightness value, which is subject to the actual reading.