

TT818 RS232 COMMAND

1. Communication method

Serial port standard: baud rate 19200, 1 start bit, 1 stop bit, no parity

Other DTU modules convert serial ports and need to comply with the serial port standard.

2. Communication command format

AE, Address, Length, Command, Subcommand, Data0, Data1, ..., DataN, Checksum;

AE: command start character, used to start the transmission/reception of a command;

Address: The address of the device itself. Each device has a fixed address.

Length: Command content length: The number of characters contained in the command content, where the command content refers to the Command+Data part;

Command: command number;

Subcommand: subcommand number;

Data0—DataN: Command parameter part, parameter 0, parameter 1, parameter 2, ..., parameter N; Checksum: checksum, AE + Address + Length + Command + Subcommand + Data0 + + DataN = Checksum. If the checksum is "AE", then "51" will be used instead.

3. Calibration processing

At present, there is no processing judgment in the verification, but there must be a check digit to ensure the integrity of one frame of information.

4. 8*8 Matrix Reference Command

(1) Input signal existence query

Send: ae 9a 03 03 01 08 57

Response: ae 9a 0b 03 01 08 00 00 00 00 00 00 00 00 5f

(2) Output switching query

Send: ae 9a 03 05 01 08 59

Response: ae 9a 0b 05 01 08 00 01 02 03 04 05 06 07 7d

(3) Output signal existence query

Send: ae 9a 03 04 01 08 58

Response: ae 9a 0b 04 01 08 00 00 00 00 00 00 00 00 60

(4) Switch settings (input 1 to output 2)

Send: ae 9a 04 06 02 00 01 50

Response: ae 9a 04 06 02 00 01 55

(5) Switch settings (input 2 to output 1)

Send: ae 9a 04 06 02 01 00 52

Response: ae 9a 04 06 02 01 00 55

(6) Switch settings (input 1 to output 1. . . input 8 to output 8)

Send: ae 9a 12 06 02 00 00 01 01 02 02 03 03 04 04 05 05 06 06 07 07 52

Response: ae 9a 12 06 02 00 00 01 01 02 02 03 03 04 04 05 05 06 06 07 07 52

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(7) Switch settings (input 2 to 1, 2, . . . 8 outputs)

Send: ae 9a 0b 06 02 01 00 01 02 03 04 05 06 07 6d

Response: ae 9a 0b 06 02 01 00 01 02 03 04 05 06 07 78

(8) Switch settings (input 9 to 1, 2 . . . 8 outputs), the output is all off

Send: ae 9a 0b 06 02 08 00 01 02 03 04 05 06 07 74

Response: ae 9a 0b 06 02 08 00 01 02 03 04 05 06 07 7f

(9) EDID switching (input port 1 to output) 2

Send: ae 9a 04 08 01 00 01 49

(10) Shutdown command

Send: ae 9a 05 06 02 08 08 01 66

(11) Power on command

Send: ae 9a 05 06 02 08 08 00 65