

Параметры для управления дисплеем по RS232 и IP

Этот протокол используется для управления включением, выключением экрана, воспроизведением программ, громкостью и яркостью и т.д.

Поддерживаются три режима передачи данных: UDP, TCP and serial port.

- Номер порта UDP and TCP: **10623** (the byte order is unified in small-endian mode.)
- serial port uses baud rate **9600**,
- data bit **8**,
- stop bit **1** and check bit **None**.

1. data format

Request data format:

name	Number of bytes	describe
Data length	2	Data length
Communication instruction	2	Communication instruction code
Instruction content	-	Instruction content (different instructions have different contents)

Response data format:

name	Number of bytes	describe
Data length	2	Data length
Communication instruction	2	Communication instruction code
Status code	2	Execution result (0 means success, non-0 means failure)

1. Communication instruction

on the screen

Communication instruction: **0x01**

Instruction content: without

Sample data: 04 00 01 00

2. off the screen

Communication instruction: **0x02**

Instruction content: without

Sample data: 04 00 02 00

3. broadcast

Communication instruction: 0x03

Instruction content: without

Sample data: 04 00 03 00

4. Pause

Communication instruction: 0x04

Instruction content: without

Sample data: 04 00 04 00

5. Switch designated programs

Communication instruction: 0x05

Instruction content:

excursion	Number of bytes	describe
0	1	Program serial number (0~255)

Sample data: 05 00 05 00 00

6. Last program

Communication instruction: 0x06

Instruction content: without

Sample data: 04 00 06 00

7. The next program

Communication instruction: 0x07

Instruction content: without

Sample data: 04 00 07 00

8. Volume value

Communication instruction: 0x08

Instruction content:

excursion	Number of bytes	describe
0	1	Volume value (0~100)

Sample data: 05 00 08 00 32

9. Mute

Communication instruction: 0x09

Instruction content: without

Sample data: 04 00 09 00

10. Volume plus

Communication instruction: 0x0A

Instruction content: without

Sample data: 04 00 0A 00

11. Volume reduction

Communication instruction: 0x0B

Instruction content: without

Sample data: 04 00 0B 00

12. luminance value

Communication instruction: 0x0C

Instruction content:

excursion	Number of bytes	describe
0	1	luminance value (0~100)

Sample data: 05 00 0C 00 32

13. Brightness plus

Communication instruction: 0x0D

Instruction content: without

Sample data: 04 00 0D 00

14. Brightness reduction

Communication instruction: 0x0E

Instruction content: without

Sample data: 04 00 0E 00

15. Play mode

Communication instruction: 0x0F

Instruction content:

excursion	Number of bytes	describe
0	1	Play mode: 0 List cycle 1 Single cycle

Sample data: 05 00 0F 00 01

Status Codes

Status code	describe
0	success
1	The data length is illegal
2	Check data mismatch
3	Unsupported instruction
4	Illegal parameter
5	Failed to execute instruction.