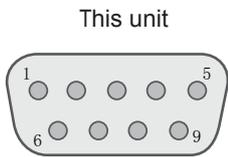


RS-232C Interface

Control of this unit via a computer is possible by connecting the computer to this unit with a RS-232C cross cable (D-Sub 9 pin).

RS-232C Specifications



Pin No.	Signal	Function	Signal Direction
2	RxD	Receive data	PC This unit
3	TxD	Transmit data	This unit PC
5	GND	Signal ground	-
1,4,6 - 9	N/C	-	-

- PC refers to the controller such as a personal computer.

Mode	Non-synchronous
Character Length	8 bit
Parity	None
Start Bit	1
Stop Bit	1
Data rate	19200 bps
Data format	Binary



Command Format

The command between this unit and the computer consists of "Header", "Unit ID", "Command", "Data" and "End".

- Header (1 byte), Unit ID (2 bytes), Command (2 bytes), Data (n bytes), End (1 byte)

■ Header

This binary code indicates the start of communication.

Binary code	Type	Description
21	Operating command	PC This unit
3F	Reference command	PC This unit
40	Response command	This unit PC
06	ACK	This unit PC (When the command is accepted without error, it returns to PC)

■ Unit ID

This code specifies the unit. The binary code is fixed at "8901".

■ Command and data

Operating command and data (Binary code)

Command	Type	Data description
0000	Connection check	Check whether communication is available between this unit and the PC during standby.
5057	Power supply	During standby 31: Turn on the power. During power on 30: Turn off the power. (Standby mode)
4950	Input	During power on 30: S-VIDEO 31: VIDEO 32: COMP. 33: VGA 36: HDMI 1 37: HDMI 2
5243	Remote Control	Sends the same code as the supplied remote control. ● "Remote control code" (P54)

Reference command and data (Binary code)

Command	Type	Data description
5057	Power supply	During standby or power on 30: Standby mode 31: Power-on mode 32: During Cool Down mode 34: Warning mode
4950	Input	During power on 30: S-VIDEO 31: VIDEO 32: COMP. 36: HDMI 1 37: HDMI 2

■ End

This code indicates the end of communication. The binary code is fixed at "0A".

RS-232C Interface (Continued)

■ Remote control code

- Binary code is sent during communication.

Remote control button name	Binary code
▲	37 33 30 31
▼	37 33 30 32
BACK	37 33 30 33
ON	37 33 30 35
STAND BY	37 33 30 36
INPUT	37 33 30 38
BRIGHT	37 33 30 39
CONT	37 33 30 41
SHARP	37 33 31 34
COLOR	37 33 31 35
TINT	37 33 31 36
N.R	37 33 31 38
HIDE	37 33 31 44
LENS.AP	37 33 32 30
MENU	37 33 32 45
OK	37 33 32 46
LENS	37 33 33 30

Remote control button name	Binary code
▶	37 33 33 34
◀	37 33 33 36
TEST	37 33 35 39
STAGE	37 33 36 37
CINEMA2	37 33 36 38
CINEMA1	37 33 36 39
NATURAL	37 33 36 41
DYNAMIC	37 33 36 42
USER1	37 33 36 43
USER2	37 33 36 44
USER3	37 33 36 45
INFO	37 33 37 34
GAMMA	37 33 37 35
C.TEMP	37 33 37 36
ASPECT	37 33 37 37

RS-232C Communication Examples

This section shows the communication examples of RS-232C.

■ Operating command

Type	Command	Description
Connection check	PC This unit: 21 89 01 00 00 0A This unit PC: 06 89 01 00 00 0A	Connection check
Power (On)	PC This unit: 21 89 01 50 57 31 0A This unit PC: 06 89 01 50 57 0A	When power is turned on from standby mode
Power (Off)	PC This unit: 21 89 01 50 57 30 0A This unit PC: 06 89 01 50 57 0A	When power is turned off (standby mode) from power-on mode
Input (COMP.)	PC This unit: 21 89 01 49 50 32 0A This unit PC: 06 89 01 49 50 0A	When video input is set to component
Remote Control (MENU)	PC This unit: 21 89 01 52 43 37 33 32 45 0A This unit PC: 06 89 01 52 43 0A	When the same operation as pressing the [MENU] button on the remote control is made

■ Reference command

Type	Command	Description
Power (On)	PC This unit: 3F 89 01 50 57 0A This unit PC: 06 89 01 50 57 0A This unit PC: 40 89 01 50 57 31 0A	When information of power-on mode is acquired
Input (S-VIDEO)	PC This unit: 3F 89 01 49 50 0A This unit PC: 06 89 01 49 50 0A This unit PC: 40 89 01 49 50 30 0A	When information of S-VIDEO input is acquired