

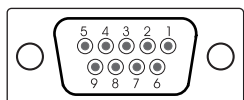
RS 232 Control

Application Shinybow items :

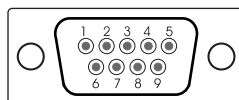
SB-5588, SB-5564, SB-5644, SB-5560, SB-5582, SB-5562, SB-1110, SB-4140,
SB-8180, SB-8188, SB-5526, SB-5604, SB-5605, SB-5607, SB-5608 & SB-3866.

RS232-Cable Pin Lines

MATRIX SWITCHER RS 232 PINS OUT
DB-9P , FEMALE socket



PC 232 PINS
DB-9P , MALE plug



Safety Notice!

To prevent damage to your television equipment use only the supplied
AC Adaptor and make the power connections to your television.

SHINYBOW™

RS 232

PROTOCOL

MATRIX

And

ROUTING SWITCHER

4 : 1

8 : 1

4 : 2

8 : 2

4 : 4

8 : 4

6 : 4

8 : 8

8x8 Matrix RS 232 Series

Thank you for purchasing Shinybow Video / Audio Matrix / Routing Switcher series product.
You will find this RS 232 easy to install and highly reliable but it is essential that you read
this protocol of manual thoroughly before attempting to use Rs232 control the switcher.

Part No.: RS232-88AV

SB RS 232 Protocol and Commands

1. Application items: SB-5588, SB-5564, SB-5644, SB-5560, SB-5582, SB-5562, SB-1110, SB-4140, SB-8180, SB-8188, SB-5526, SB-5604, SB-5605, SB-5607, SB-5608 & SB-3866.
2. Transmission rate : 9600 bps
3. Data format : 8 data bits, No parity, 1 start bit, and 1 stop bit
4. Flowing control : None
5. Commands are sent between the controller and as 8 ASCII bytes.
6. Controlling commands (from a controller to)
The first six ASCII bytes indicate the action of the command as ASCII format. Shinybow. The rest of bytes indicate the action of command as ASCII format.

Item	Command	Function	Description
1	SBSYSMON	Power on	System power on
2	SBSYSMOF	Power off	System power off
3	SBIxxO01	Channel 1 setting	1 st output comes from xth Input,x=(01,02,.....,06)
4	SBIxxO02	Channel 2 setting	2 st output comes from xth Input,x=(01,02,.....,06)
5	SBIxxO03	Channel 3 setting	3 st output comes from xth Input,x=(01,02,.....,06)
6	SBIxxO04	Channel 4 setting	4 st output comes from xth Input,x=(01,02,.....,06)
7	SBSYSMLK	Locked toggle On	Is locked toggle on. When Locked on, all status are changed by Rs232 only.
8	SBSYSMUK	Locked toggle Off	Is locked toggle off. When Locked off, all status are changed by RS232 only.
9	SBALLRST	reset	Is reset and every output Comes from 1 st input
10	SBASKSTA	Ask status	Request status information

Specifications on website : www.shinybow.com.tw

7. Feedback commands (from to a controller)
The 8 ASCII feedback commands are send by after receiving the command from a controller.

Item	Command	Function	Description
1	SBALONAK	Power on	Responses the system power On command to the controller.
2	SBALOFAK	Power off	Responses the system power Off command to the controller.
3	SBUDxxO1	Channel 1 updated	Changes the 1 st output signal. xx is the selected source. xx =(01,02,.....,06).
4	SBUDxxO2	Channel 2 updated	Changes the 2 st output signal. xx is the selected source. xx =(01,02,.....,06).
5	SBUDxxO3	Channel 3 updated	Changes the 3 st output signal. xx is the selected source. xx =(01,02,.....,06).
6	SBUDxxO4	Channel 4 updated	Changes the 4 st output signal. xx is the selected source. xx =(01,02,.....,06).
7	SBSYSLOK	Lock on	Is locked on.
8	SBSYSULK	Lock off	Is released.
9	SBRSTACK	reset	Responses the reset command.
10	SBSTATAK	status acknowledge	Responses the ask status. Command to the controller.

Remark : The devise responses one feedback command for every request except the <SBASKATA>..After the device receives <SBASKSTA>, it will send the 10th, 1/2th, IN/OUT state, 7/8th command sequentially.

Note : Responses IN/OUT state command : SBUD0000XXYY
input port XX=>(01,02,.....,06).
Output port YY=>(01,02,.....,06).

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