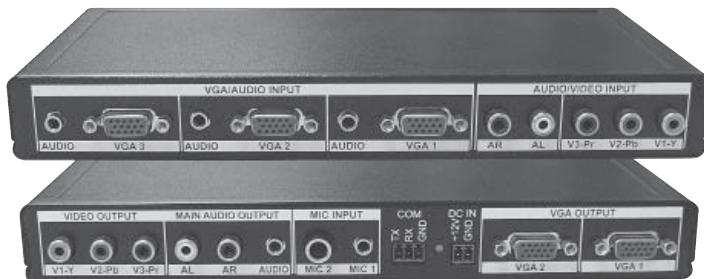


User Programmable Multimedia Controller & Multimedia Switcher



Model: **AVS-1200C**



Model: **AVS-1200S**

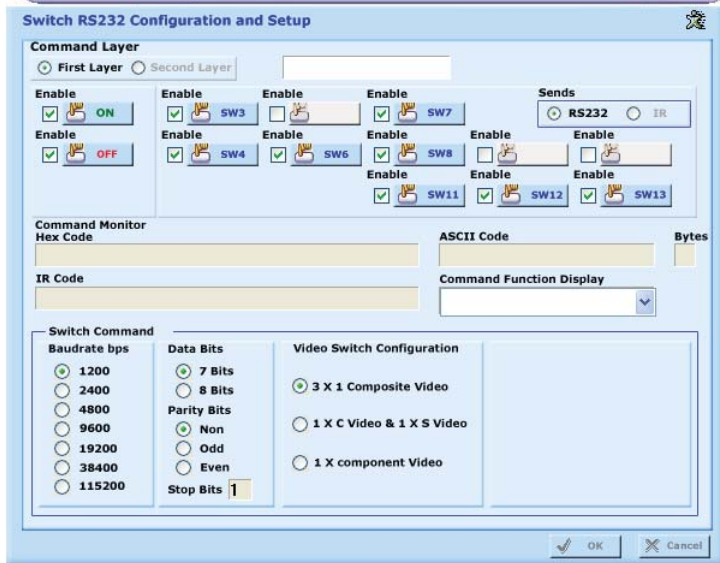
User Operation Guide

SOFTWARE REQUIREMENT FOR AV-1200/C

1xRS-232 internal PC control/configuration

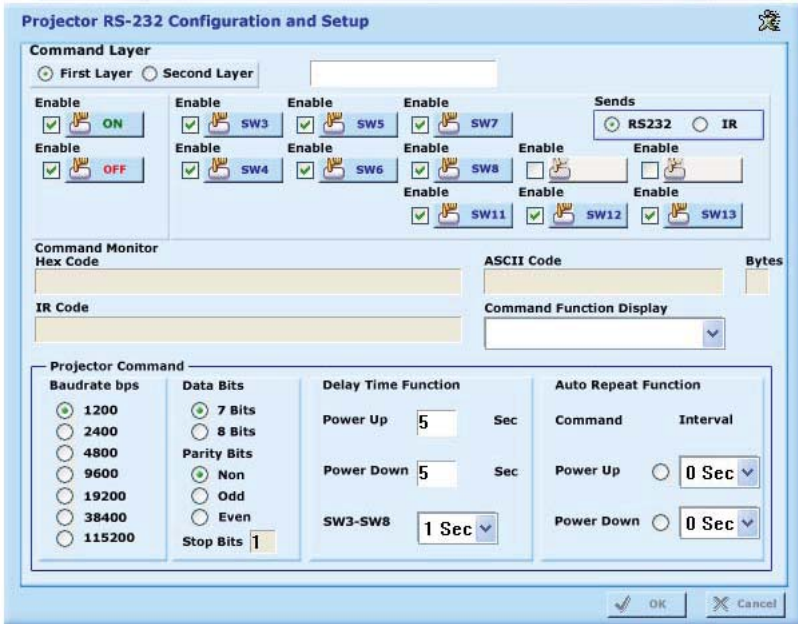
Baud Rate : 9600
Parity Bit : none
Data : 8 bits
Stop Bit : 1
Input : HEX

1xRS-232 internal host control (*AV Switcher control)



Baud Rate : 1200, 2400, 4800, 9600, 19200, 38400 or 115200
Parity Bit : none
Data : 8 bits
Stop Bit : 1
Code length : 36 bytes
Input : HEX or ASCII

PROJECTOR RS-232 CONFIGURATION AND SETUP WINDOW



1xRS-232 external to control (*Projector)

Projector Command

Baudrate bps	Data Bits
<input checked="" type="radio"/> 1200	<input checked="" type="radio"/> 7 Bits
<input type="radio"/> 2400	<input type="radio"/> 8 Bits
<input type="radio"/> 4800	Parity Bits
<input type="radio"/> 9600	<input checked="" type="radio"/> Non
<input type="radio"/> 19200	<input type="radio"/> Odd
<input type="radio"/> 38400	<input type="radio"/> Even
<input type="radio"/> 115200	Stop Bits <input type="text" value="1"/>

Baud Rate : 1200, 2400, 4800, 9600, 19200, 38400 or 115200
 Parity Bit : none, odd, even
 Data : 7 bits or 8 bits
 Stop Bit : 1, 2
 Code length : 36 bytes
 Input : HEX or ASCII
 Output : HEX
 Button include : SW-1 to SW-13 excluding SW-9 and SW-10

Delay Time Function

Power Up	<input type="text" value="5"/>	Sec
Power Down	<input type="text" value="5"/>	Sec
SW3-SW8	<input type="text" value="1"/>	Sec

Each key will be able to set its own delay time and will disable the rest of the key within this delay time when.

“Power On” SW-1 is pressed delay for 5-240sec (4min) *default setting 5sec

Disable: All switch except SW-9 and SW-10 (Screen Control) till “delay time” is up.

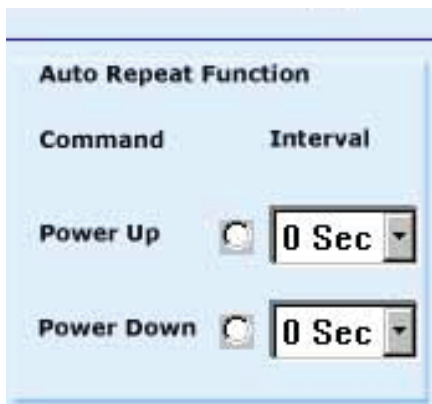
“Power Off” 5-240sec (4min) *default setting 5sec

Disable: All switch except SW-9 and SW-10 (Screen Control) till “delay time” is up.

Rest of the button 1-5sec

Disable: All button within the 1-5sec except SW-9 and SW-10 (*Screen Control) *default setting at 1sec

Auto Repeat Power On/Off Function



Auto repeat “Power On”

Sending second code (IR, RS232) with interval 1-5sec

Auto repeat “Power Off”

Sending second code (IR, RS232) with interval 1-5sec

Function availability

Enable/Disable

Second layer function

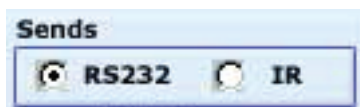


Each key will be able to have a second function as in the IR or RS-232 code allocation.

e.g. First press, set function to “PC-1” and with second press set function to “PC-2”

Panel button includes VGA1, VGA2, VGA3, AV1, AV2 and AV3.

Transmitting of IR/RS-232 code

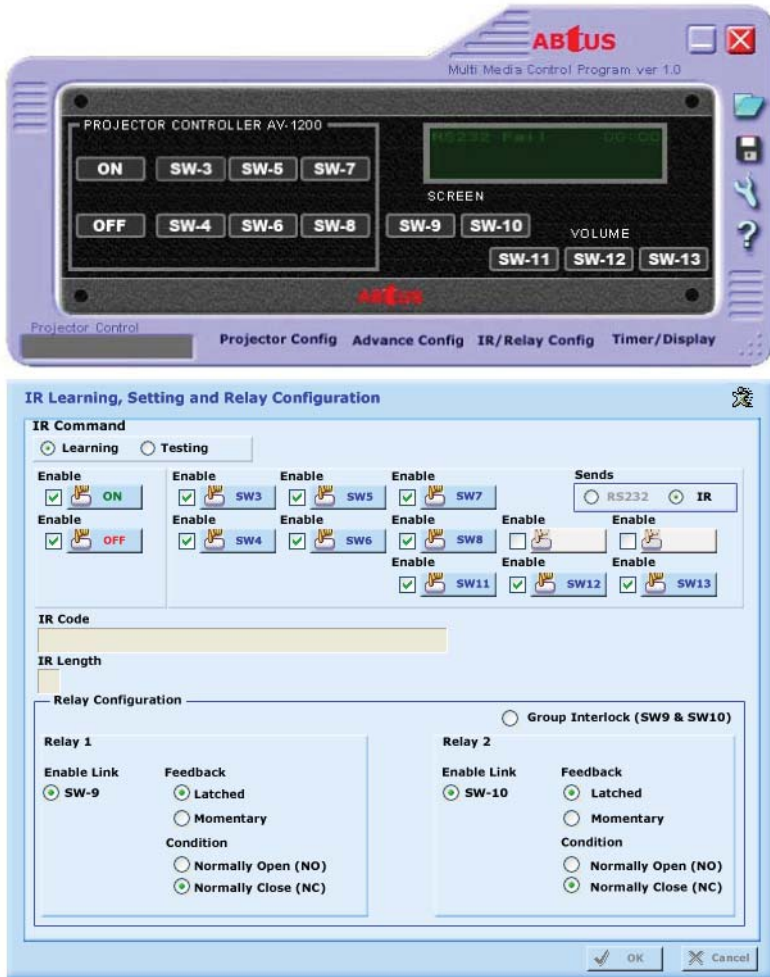


Selectable output:	RS-232 output	IR output
	ON	OFF
	OFF	ON
	ON	ON

* Default setting

IR learning function

Press respective button to learn IR and "Testing" Is for confirmation of IR code learned.



Button includes:

ON, OFF, SW-1, SW-2, SW-3, SW-4, SW-5, SW-6, SW-7, SW-8, SW-11, SW-12 and SW-13

Relay Control

Group Interlock (SW9 & SW10)

Relay 1		Relay 2	
Enable Link	Feedback	Enable Link	Feedback
<input checked="" type="radio"/> SW-9	<input checked="" type="radio"/> Latched	<input checked="" type="radio"/> SW-10	<input checked="" type="radio"/> Latched
	<input type="radio"/> Momentary		<input type="radio"/> Momentary
	Condition		Condition
	<input type="radio"/> Normally Open (NO)		<input type="radio"/> Normally Open (NO)
	<input checked="" type="radio"/> Normally Close (NC)		<input checked="" type="radio"/> Normally Close (NC)

- Relay #1 "Latched" or "Momentary (1~3sec)"
 "Normally Open" or "Normally Close"
- Relay #2 "Latched" or "Momentary (1~3sec)"
 "Normally Open" or "Normally Close"
- Relay #1 and Relay #2 "Interlock" "On" or "Off"

Internal timer clock

1. System Clock setting through AP.

Set Display Time

0 : 0 : 0 12hr Setting

2. Ability for setting timer to Automatically "OFF"

Auto OFF Timer	Panel Lock	Panel Reset
<input type="checkbox"/> 0 : 0 : 0	<input type="checkbox"/>	<input type="checkbox"/> 0 : 0 : 0

Panel LOCK Configuration

Enable	Enable	Enable
SW4	SW6	SW8

- e.g.
1. At 6pm every evening the system will: "turn OFF the projector, bring the screen up and then disable the front control panel"
 2. At 8am every morning, the system will then enable itself and the front control panel is now in "Standby mode" ready for command.
 3. System can be enable at any time with the used of AP
 This locking of the front panel can be Enable and Disable anytime manually:
 (* e.g. Default setting press and hold SW-4, SW-6 and SW-8 at the same time for 5 second)

Macro Control Setting

Macro Setting				
Power ON	Delay	2nd Key	Delay	3rd Key
ON	0s	SW-3	0s	SW-3
Power OFF	Delay	2nd Key	Delay	3rd Key
OFF	0s	SW-3	0s	SW-3

A maximum of 3 command string is allows for setting for both the Power ON button SW-1 and Power Off button SW-2.

Example:

When Power ON button is pressed:

1. Turn ON AVS-1200S and the Projector Power (IR/RS-232)
2. Bring DOWN the screen (SW-10 relay control)
3. Set to preset input select (VGA-1)
4. Set the volume control to a preset level.

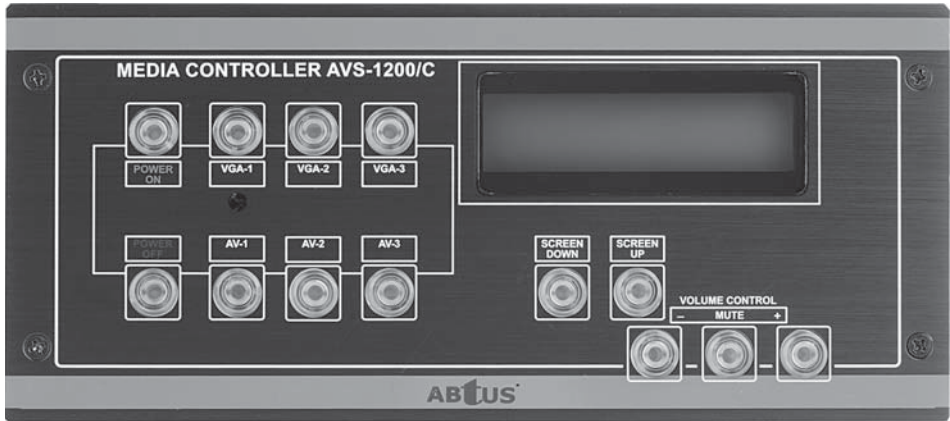
When Power OFF button is pressed:

1. Turn OFF AVS-1200S and the Projector Power (IR/RS-232)
2. Bring UP the screen

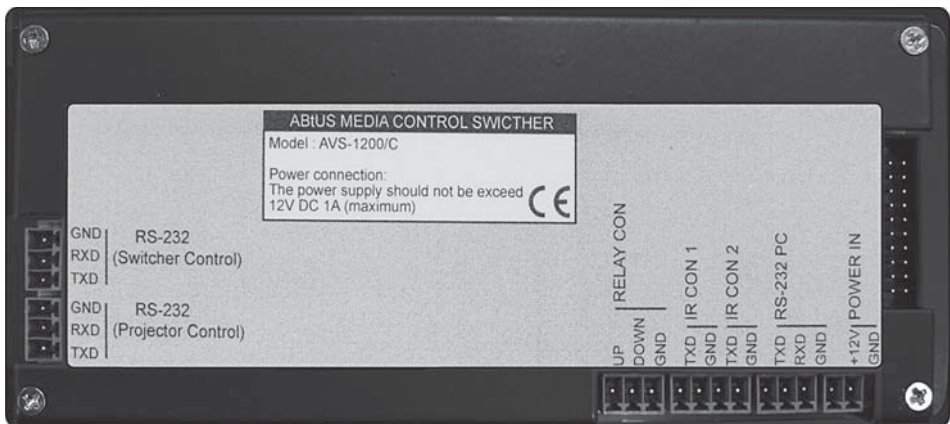
AVS-1200SC

AV-1200/C controller unit

Front View



Back View



Input output interface

1. 2xRS-232 in/output (External communication with Projector and AV-1200/S)
2. 1xRS232 in/output (Default baud rate 9600/8N1 for PC interface with AV-1200/C)
3. 2xDigital I/O (Relay Control)
4. 2xIR Output

AVS-1200/S Multi Media Switcher Input Panel

INPUT Panel View



AVS-1200/S Multi Media Switcher Output Panel

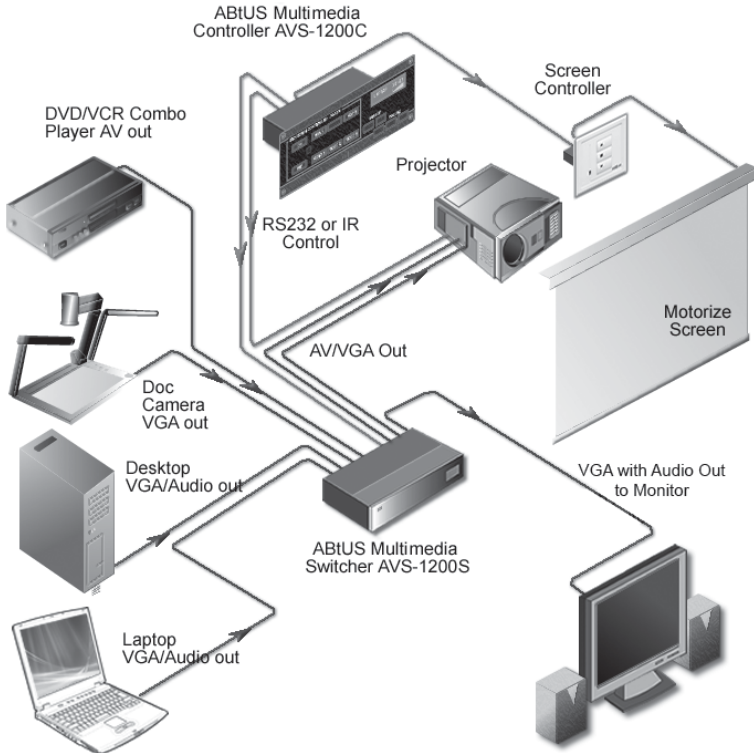
OUTPUT Panel View



AVS-1200/C Controller Unit

Switcher Block Diagram

Control Block Diagram



** For details and updated Command and Program Software, please visit and download from www.abtussingapore.com

*Specifications are subject to changes without notice.

