

Integrated Controller
JPM-C210E

User's Guide



B&S MEDIA CO., LTD.

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1. Introduction

1.1 Specifications

	Description	
General	CPU	Samsung 800MHz S3C6410 CPU
	OS	WinCE 6.0
	Size / Weight	440x240x44.4mm(1U) / 2.0kg
	Operating Temperature	-10℃ ~ 80℃
Memory	Internal Memory	128MB NAND Flash/256MB DDR SDRAM
	SD Card	1slot
VIDEO	VGA	2ch Input, 2ch Output
	Composite	2ch Input, 2ch Output
AUDIO	VGA	2ch Input, 2ch Output
	Composite	2ch Input, 2ch Output
	MIC	2ch Input, 2ch Output
INTERFACE	SERIAL (RS232/RS485)	4 PORT/2PORT
	USB	USB HUB 3PORT
	LAN	10/100 Ethernet HUB 3PORT
	IR	3 PORT
	RELAY	9 EA
	Camera Input	Composite 1PORT
	Touch panel	JPM-CL7A interface
Supply Power	DC 12.0V / 2.0A	

1.2 Physical Description

Man Controller



Accessory



Adapter



IR



Terminal Block



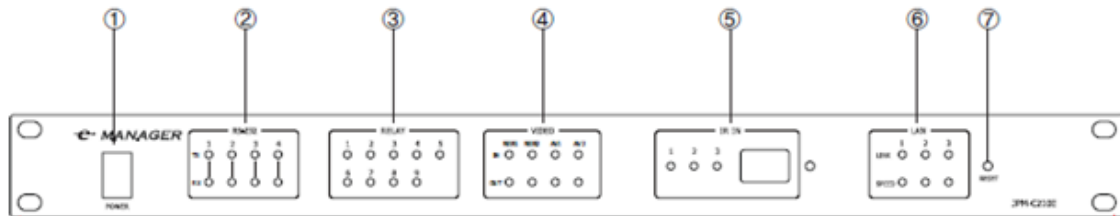
Rack Volts



User's Guide

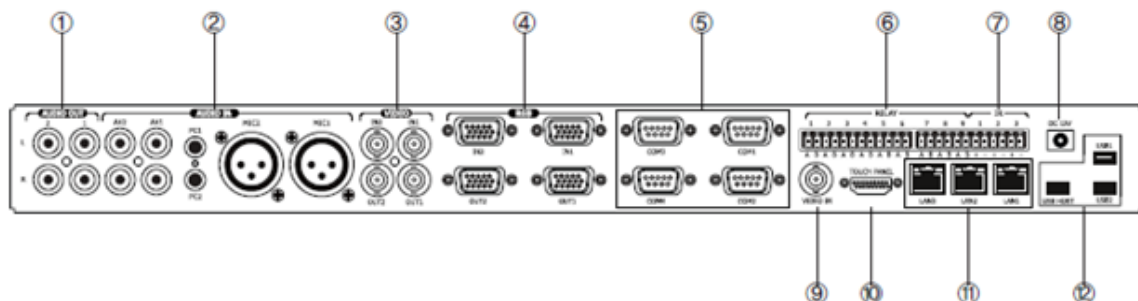
2. Physical Description

2.1 Front View



- ① **Power switch**
 - Main Power switch
- ② **COM port Indicator LED**
- ③ **Relay port Indicator LED**
- ④ **VGA / AV Indicator LED**
- ⑤ **IR Input window**
 - IR signal input
- ⑥ **LAN port Indicator LED**
- ⑦ **Reset Switch**

2.2 Rear View



- ① **Audio output port** : Port to connect Audio output signal



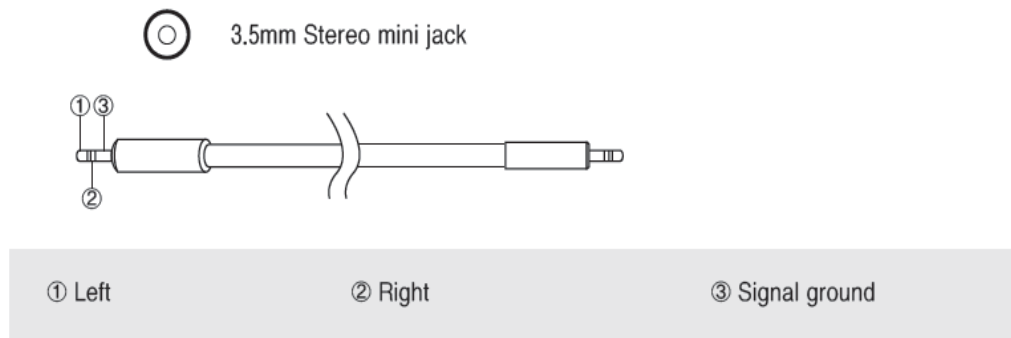
Female RCA Connector

- ② **Audio input port** : Port to Audio input signal
 - Composite audio input port

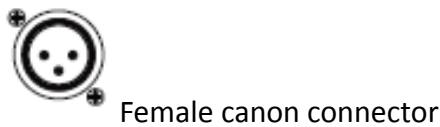


Female RCA Connector

- VGA audio input port



- MIC input port

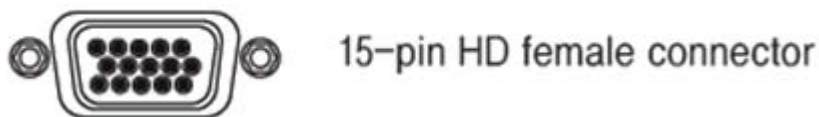


- ③ **Video Input/Output Port :** I/O port to connect Composite Video



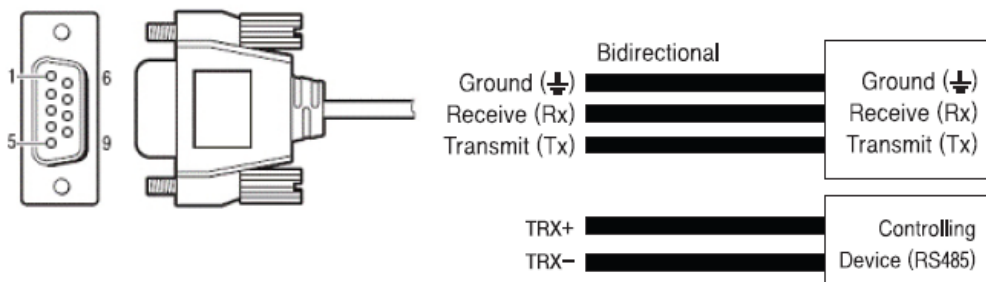
- A/V Video 2X2 Matrix switcher support

- ④ **VGA Video Input/Output Port** : I/O port to connect VGA Video signal



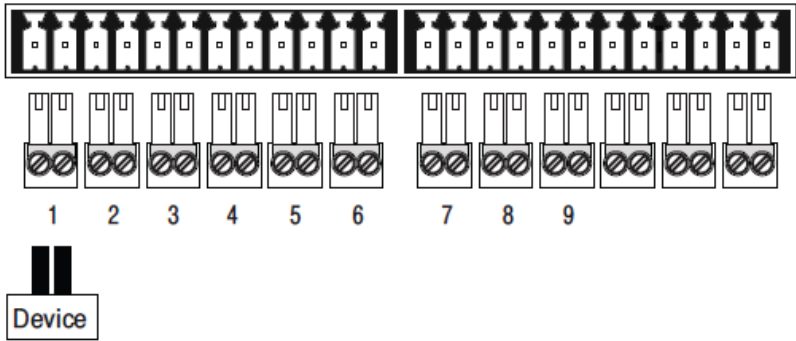
- VGA 2X2 Matrix switcher support

- ⑤ **COM1, COM2, COM3, COM4 Communication Port** : Port to communicate with external devices

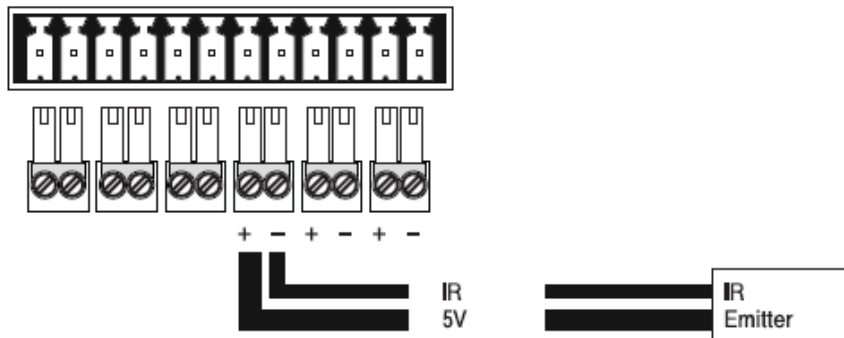


COM port	9-pin D	Connection	
COM1	Pin2	RX line	RS232
	Pin3	TX line	
	Pin5	Signal ground	
	Pin1	TRX+	RS485
	Pin6	TRX-	
COM2	Pin2	RX line	RS232
	Pin3	TX line	
	Pin5	Signal ground	
	Pin1	TRX+	RS485
	Pin6	TRX-	
COM3	Pin2	RX line	RS232
	Pin3	TX line	
	Pin5	Signal ground	
COM4	Pin2	RX line	RS232
	Pin3	TX line	
	Pin5	Signal ground	

⑥ **Relay port** : 9 Relay Ports Control



– **IR port** : 3 IR port control



⑦ **Power port**

- DC12V, 2A Adaptor connection port

⑧ **Video IN**

- Composite Video input port



Female RCA Connector

⑨ **Touch panel connection port**

- JPM-CL7A Touch Panel connection port

NOTE: You must use cables only provided with JPM-CL7.

⑩ **LAN port**

- 10/100 Ethernet HUB 3port

⑪ **USB port**

- USB HUB 3port

3. Operations

3.1 Main Screen



Buttons	Description
1. Logo	It indicates logo of School/Company.
2. MAIN	It returns to the Start-up screen
3. PROJECTOR	It transfers to the PROJECTOR Control screen.
4. DVD/VCR	It transfers to the DVD/VCR Control screen.
5. LIGHTING	It transfers to the Lighting Control screen.
6. PROJECTION TV	It transfers to the PROJECTION TV Control screen.
7. AIRCON	It transfers to the AIRCONDITIONER Control screen.
8. CAMERA	It transfers to the CAMERA Control screen.
9. PC (PC-based Lecture/Presentation)	It turns on Projector power, descends projector screen, and ready to use PC.
10. Video (Video/VCR-based Lecture/Presentation)	It turns on Projector power, descends projector screen, and ready to use DVD/VCR.
11. EXIT (Lecture/Presentation End)	It turns off Projector, ascends projector screen, and returns to the main screen.

3.2 PROJECTOR

- It controls Projector power, selects external input devices, ascends/descends/stops projector screen, increases/decreases microphone 1, 2, and Sound Volume.



Buttons

1. PROJECTOR ON	2. PROJECTOR OFF	3. PROJECTOR MUTE	4. PC MODE
5. NOTEBOOK MODE	6. DVD/VCR MODE	7. DATA VIEW MODE	8. SCREEN UP
9. SCREEN STOP	10. SCREEN DOWN	11. MIC1 VOLUME UP	12. MIC1 VOLUME DOWN
13. MIC1 VOLUME MUTE ON/OFF	14. MIC2 VOLUME UP	15. MIC2 VOLUME DOWN	16. MIC2 VOLUME MUTE ON/OFF
17. SOUND VOLUME UP	18. SOUND VOLUME DOWN	19. SOUND MUTE ON/OFF	20. VOLUME LEVEL

3.3 DVD/VCR

- It controls DVD/VCR and shows video image.



Buttons

1. DVD MODE	2. Video Input screen	3. VCR MODE	4. REC
5. STOP	6. REW	7. DVD/ VCR Power ON/OFF	8. FF
9. PAUSE	10. PLAY		

3.4 LIGHTING

- It controls lightings.



Buttons

1 Podium Lighting	2 Middle lighting	3 Side lighting	4 Indirect lighting
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3.5 PROJECTION TV :

- It controls Projection TV.



Buttons

1. Monitor 1 Power ON/OFF	2. External Video Input Selection	3. Monitor 2 Power ON/OFF	4. External Video Input Selection
5. Projection TV Power ON/OFF	6. External Video Input Selection	7. Projection TV Volume UP	8. projection TV Volume Down
9. Monitor 2 Power ON/OFF	10. External Video Input Selection	11. Monitor 4 Power ON/OFF	12. External Video Input Selection

3.6 AIRCON

- It controls air conditioner.



Buttons

1. Operating mode	2. Airflow direction	3. Select	4. Cancel
5. Temperature adjustment (higher)	6. Temperature adjustment (lower)	7. Power ON	8. Power OFF

3.6 CAMERA

- It controls camera.



Buttons

1. Power ON	2. Power OFF	3. PEESET No.1	4. PEESET No.2
5. PEESET No.3	6. PEESET No.4	7. PEESET No.5	8. PEESET No.6
9. PAN to left direction	10. PAN to right direction	11. Tilt to up direction	12. Tilt to down direction
13. FAST ZOOM IN	14. FAST ZOOM OUT	15. SLOW ZOOM IN	16. SLOW ZOOM OUT

4. Customer Support



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5. Warranty