

CONTENTS

□ KEY FEATURES	1
□ SPECIFICATIONS	1
□ PACKAGE CONTENTS	1
□ APPLICATION	2
□ KEYS AND FUNCTIONS	4
□ OPERATION	5
I. I/O OPERATION.....	5
II. AV ON/OFF OPERATION.....	8
III. ALL ON OPERATION	9
IV. CLEAR OPERATION	10
V. POWER ON/OFF OPERATION	11
□ ERROR	12
I. AFTER PRESSING ENTER.....	12
II. BEFORE PRESSING ENTER	14
□ HOT KEY OPERATION	15
I. THE KEYBOARD SYNOPSIS	15
II. OPERATION	16
□ TROUBLE SHOOTING	17

□ KEY FEATURES :

- Audio / Video (Monitor) Matrix / Splitter.
- Control Methods :
 - A. IR Remote Control.
 - B. PS/2 Keyboard Hot Key Control.
 - C. IR External Remote Control. (Optional)

□ SPECIFICATIONS:

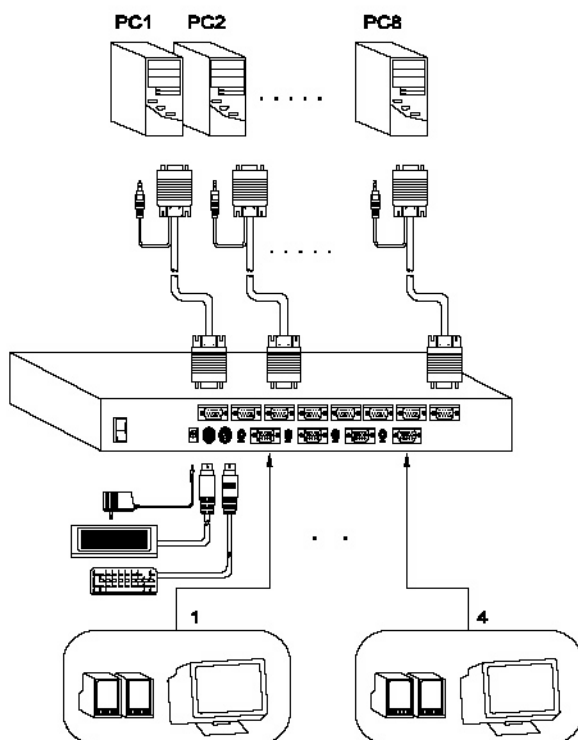
- Description : 8 Inputs to 4 Outputs
- Max. Resolution : 1600 * 1200 dpi
- Video Bandwidth : 200MHz
- Horizontal Frequency : 30-100KHz
- Vertical Frequency : 43-120Hz
- Transmission distance :
 - Input side : 5 meters
 - Output side : 15 meters
- Case design : 19" Rack - mounted
- Dimension : 436.5mm * 190mm * 43mm
- Power : DC 12V

□ PACKAGE CONTENTS :

- Matrix Switcher *1 piece
- IR Remote Control *1 piece
- Power Adapter *1 piece
- Cable*8 pcs

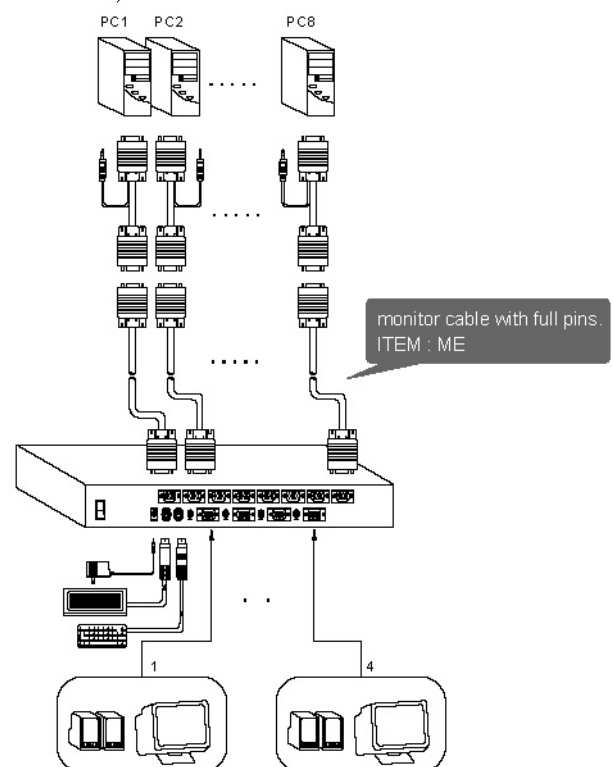
①

□ APPLICATION:



②

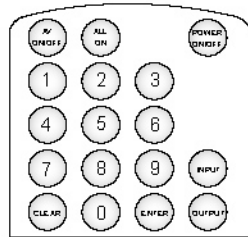
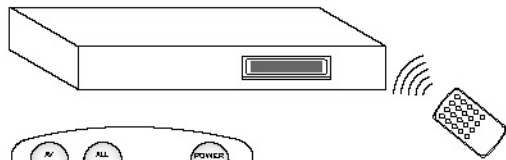
If you want to extend the distance from the Switch to the PC side,
you can buy the monitor cable with full 15 pins.
(Item : ME)



③

□ KEYS AND FUNCTIONS

IR Remote Control



Remote Control Layout

- ◆ **POWER ON/OFF** : To turn the power on / off.
- ◆ **AV ON/OFF** : To turn the Audio & Video on / off.
- ◆ **ALL ON** : To turn all the Audio & Video on (OUTPUT PORT).
- ◆ **NUMBER 1 ~ 8** : Choice of INPUT PORT & OUTPUT PORT.
- ◆ **INPUT** : To INPUT.
- ◆ **OUTPUT** : To OUTPUT.
- ◆ **CLEAR** : To clear all the entered information and then return to a waiting mode.
- ◆ **ENTER** : To confirm the entered information.

④

□ OPERATION

**PICTURE



AUDIO



VIDEO

Operation Side

Display Side

INPUT: _	1→(1):
	2→(2):
	3→(3):
	4→(4):

INPUT

OUTPUT

I · I / O OPERATION

STEPS : Have to set INPUT first and then OUTPUT.

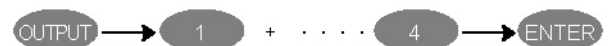
A · INPUT : INPUT→To Select PORT 1 OR · · · 8

〈one number per one time only〉



B · OUTPUT : OUTPUT→To select PORT 1 + · · · 4

〈Multi-choice is available 〉 → ENTER



⑤

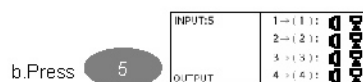
※ EXAMPLE 1. < Single choice >

To set INPUT on Port 5 & OUTPUT on Port 1 :

< INPUT >



The INPUT CURSOR flashes once every 0.5 second.



The "OUTPUT" flashes once every 0.5 second.

< OUTPUT >



The OUTPUT CURSOR flashes once every 0.5 second.



The "ENTER" flashes once every 0.5 second



Finish OUTPUT setting. 3 seconds later, it returns to the waiting mode.

< INPUT >



The INPUT CURSOR flashes once every 0.5 second.

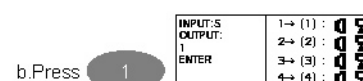


The "OUTPUT" flashes once every 0.5 second.

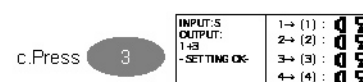
< OUTPUT >



The OUTPUT CURSOR flashes once every 0.5 second.



The "ENTER" flashes once every 0.5 second.



The "ENTER" flashes once every 0.5 second.



Finish OUTPUT setting. 3 seconds later, it returns to the waiting mode.

※ EXAMPLE 2. < Multi-choice >

To set INPUT on Port 5, OUTPUT on Port 1 + Port 3:

⑥

⑦

II. AV ON/OFF OPERATION

1. POINTS :

- A : Must select AV ON/OFF for OUTPUT side first.
B : And then select Power ON/OFF for Audio or Video.

2. STEPS :

- A : Press AV ON/OFF, and then select the Output Port 1 ~ Port 4. < Single choice >
B : Press AV ON/OFF again to select Audio ON/OFF or Video ON/OFF.
(AV ON/OFF is the circulatory switch) →
Circulatory Switch → ENTER.

3. PICTURAL STEPS :

- A ~ Press → Select Output Port ... or
B ~ Press →

※ EXAMPLE.

To set OUTPUT on Port 3, Audio and Video is OFF :



The OUTPUT CURSOR flashes once every 0.5 second.

8



Switch to AUDIO ON



Switch to VIDEO ON



Switch to ALL OFF



Finish the setting. Port 3 is all off. 3 seconds later, it returns to the waiting mode.

III ~ ALL ON OPERATION

1. **POINTS** : To set the AV ON on output ports port 1 to port 4.
2. **STEPS** : Press ALL/ON, and then press ENTER.
3. **PICTURAL STEPS** :

Press →

9

※ EXAMPLE.

To set OUTPUT Port 1 to Port 4 are all AUDIO & VIDEO ON :



The "ENTER" flashes once every 0.5 second.



Finish "ALL ON" setting. 3 seconds later, it returns to the waiting mode.



After pressing the CLEAR, it returns to the waiting mode.

V ~ POWER ON/OFF OPERATION

STEPS :

- A : In the using mode, press POWER ON/OFF, and then press ENTER, the power will turn off.
B : When power is OFF, press POWER ON/OFF, the power turns on.

※ EXAMPLE.

To set POWER OFF :



The "ENTER" flashes once every 0.5 second.



Finish the setting. The power is off.

IV ~ CLEAR OPERATION

STEPS : To cancel the current operation, and then return to the waiting page.

※ EXAMPLE.

Press AV ON/OFF, but decide to cancel it :



Decide to cancel this action

10

11

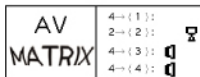
To set POWER ON :

a. Setting



The screen is empty.

b. Press **POWER ON/OFF**



Finish the setting. The power is on. The A/V is in the last setting mode.

❑ ERROR

I、AFTER PRESSING ENTER

A、If your operations don't match with the correct sequence, the screen will show "ERROR" on it, and then returns to the waiting mode after 10 seconds.

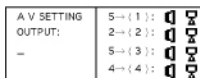
B、When "ERROR" shows up, just need to press correct key, and then you can keep operation.

※EXAMPLE 1.

To set OUTPUT on Port 3 & AV is OFF.

During the operation, you press INPUT, the "ERROR" shows up."

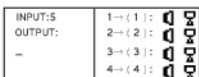
a. Press **AV ON/OFF**



The OUTPUT CURSOR flashes once every 0.5 second.

12

a. Press **OUTPUT**



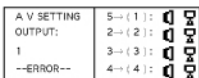
The OUTPUT CURSOR flashes once every 0.5 second.

b. Press **ENTER**



Wrong operation. The "ERROR" shows up and flashes once every 0.5 second.

c. Press **1**



Press the correct key and then keep operation.

II、BEFORE PRESSING ENTER

The "ENTER" is flashing. After 10 seconds, if you didn't press "ENTER", it returns to the waiting mode. You will have to start all over again.

※EXAMPLE.

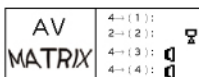
During the ALL ON setting, just press ALL ON, and don't press ENTER:

a. Press **ALL ON**



The "ENTER" flashes once ever 0.5 second.

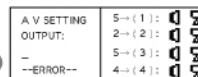
b. Don't Press **ENTER**



10 seconds later, it returns to the waiting mode.

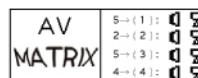
14

b. Press **INPUT**



The "ERROR" shows up and flashes once every 0.5 second

c. No pressing

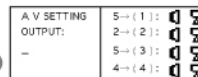


10 seconds later, it returns to the waiting mode.

※EXAMPLE 2.

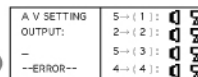
When "ERROR" shows up, press the correct key. You can keep operation.

a. Press **AV ON/OFF**



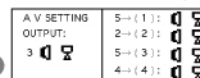
The OUTPUT CURSOR flashes once every 0.5 second.

b. Press **INPUT**



The "ERROR" shows up and flashes once every 0.5 second.

c. Press correct key **3**



Keep operating AV setting.

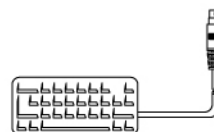
※EXAMPLE 3.

When performing the OUTPUT setting, if you only press OUTPUT and then ENTER, the "ERROR" message will show up. At this time, just press the correct key and then you can continue.

13

❑ HOT KEY OPERATION

PS/2 Keyboard Hot Control



I、THE KEYBOARD SYNOPSIS

Keys on the Remote Control	Keys on the Keyboard
POWER ON/OFF	P
AV ON/OFF	V
ALL ON/OFF	L
CLEAR	C
ENTER	ENTER
INPUT	I
OUTPUT	O
NUMBERS 1 ~ 9	Up from the letters & on the right side of the keyboard. (No matter the Num Lock is on or off.)

15

II 、 OPERATION

1. Press  twice to get into the HOT KEY mode.
In the HOT KEY mode, the light of the  key will flash twice every second for remind the user.
When it is not in the HOT KEY mode, the light of the  key will stop flashing.
2. When it is in the HOT KEY mode, there are two ways to leave th HOT KEY mode :
A 、 Wait 10 seconds later, it is out of the HOT KEY mode.
B 、 Press  and then leave the HOT KEY mode
3. During the operation in the HOT KEY mode, there are two ways to leave the HOT KEY mode.
A 、 Don't press any key over 10 seconds.
B 、 Press  and then leave the HOT KEY mode.
4. Because the infra-red remote control and keyboard are the synchronous input, when the infra-red remote control is working, the keyboard is not working.
5. The operation by the keyboard is same as the infra-red remote control.

□ TROUBLE SHOOTING

The reason for not compatible with Auto VGA/AUDIO MATRIX Controller :

1. The hardware equipment. (Keyboard.)

Situation	Solution
Switch Problems	When turn the PC on, is there any beep sound ?
	When the switch is turned on, does the LCD light up?
	When pressing the infra-red remote control, does the LCD on the panel light and hear a beep sound ?
Keyboard Problems	Exchange other keyboard.
	Try to select other port and then switch back.
Video Problems	Recommend that you use the high quality cables. Use of high quality cables should eliminate video problem.
	Check all cable connections to make sure they are completely seated in their sockets.
Audio Problems	To make sure that the Audio Card is connected on the INPUT side.
	Check all cable connections to make sure they are completely seated in their sockets.
	To make sure that the Audio is ON.