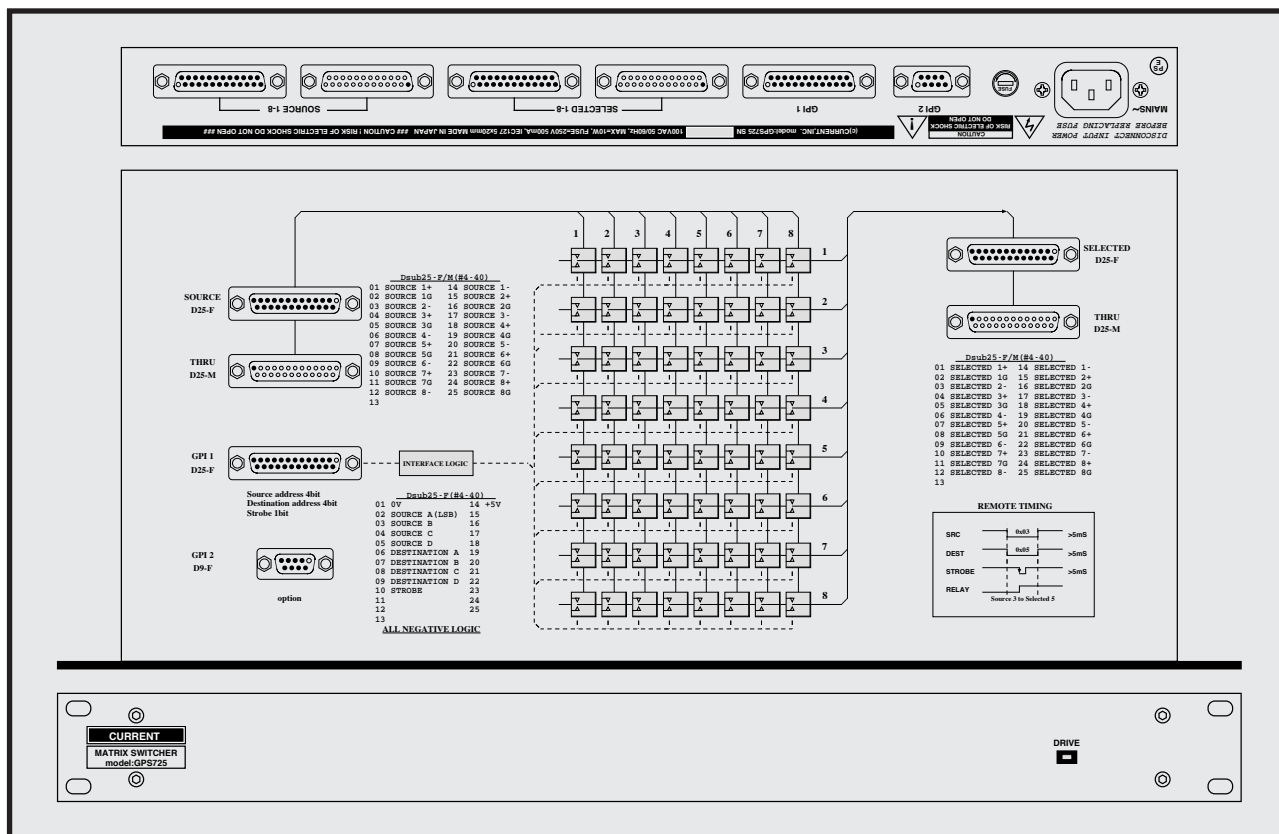


# CURRENT PRODUCTS model:GPS725 MATRIX SWITCHER



## 8x8 matrix switcher

Most suitable for audio, AES

Remote controllable

Relay switch without signal loss

19 inches 1U size

**GPS725 is the matrix switcher which can change an audio and the AES signal which implemented 8ch input and the 8ch output. It is most suitable for signal routing to a system configuration.**

### "Switching"

The signal switch by the relay of GPS725 allows an analog audio, all of the digital audio. In addition, it can ignore most of the signal loss without a noise by the switching, too. The switching matrix can choose a single input channel for an output channel.

### "Control"

It does the control of GPS725 via REMOTE connector of the rear panel. It can control it by a 4 bits input channel address, a 4 bits output channel address and a strobe command. In addition, it can turn off all matrix by CLEAR command. In the case of the OFF state which neither input chooses, as for the hot and the cold terminal of the output, it is short-circuited for crosstalk prevention. Because you can support termination at 110 Ω and 600 Ω, please refer.

### "Others"

It can constitute a bigger matrix with a through output connector using multiple GPS725. In addition, please can refer about the manufacturing

of the system switcher of different specifications and the remote control panel.

SOURCE/DESTINATION		GPI-1 REMOTE	
01	1 +	14	1 -
02	1 GND	15	2 +
03	2 -	16	2 GND
04	3 +	17	3 -
05	3 GND	18	4 +
06	4 -	19	4 GND
07	5 +	20	5 -
08	5 GND	21	6 +
09	6 -	22	6 GND
10	7 +	23	7 -
11	7 GND	24	8 +
12	8 -	25	8 GND
13			

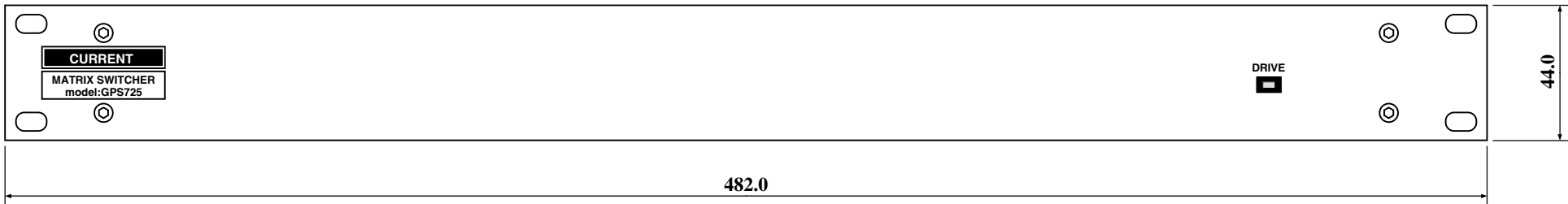
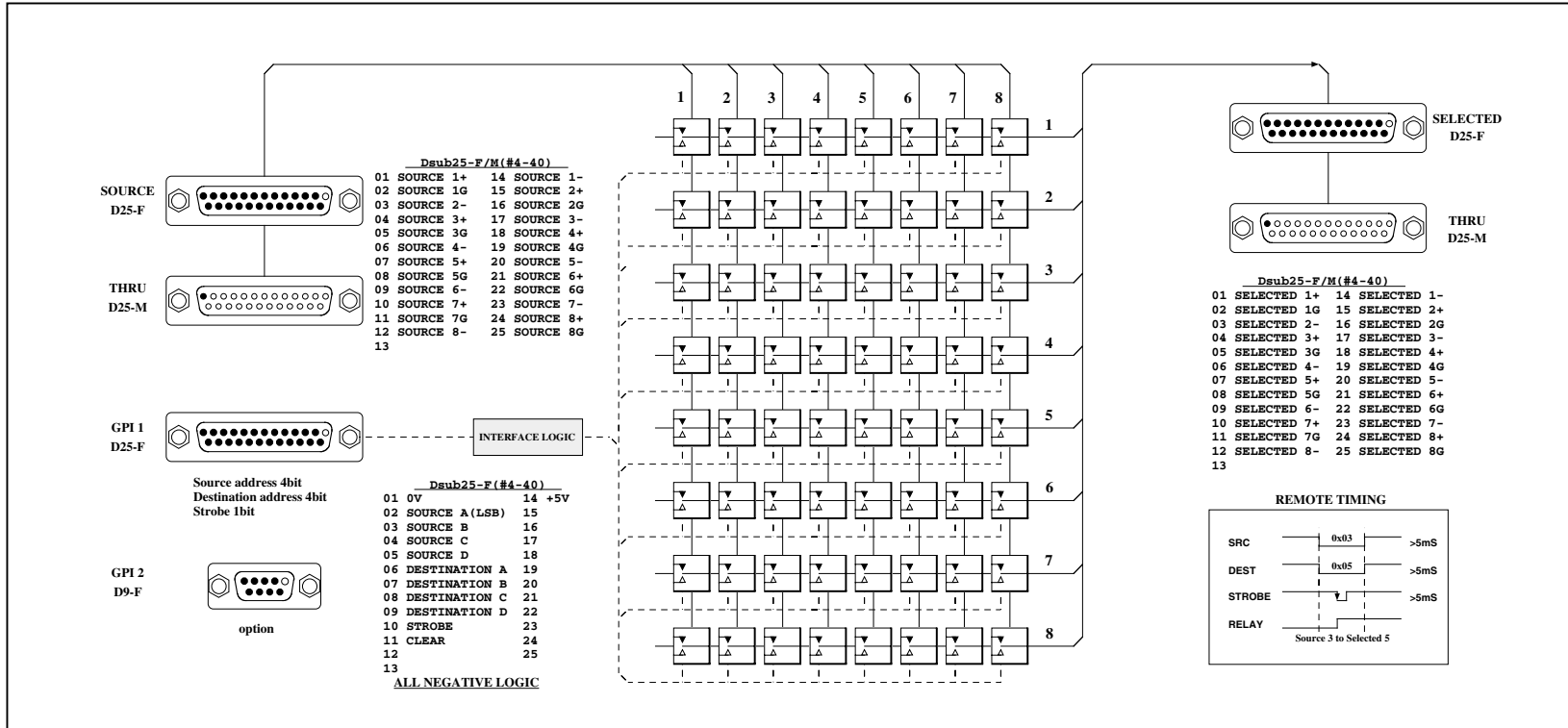
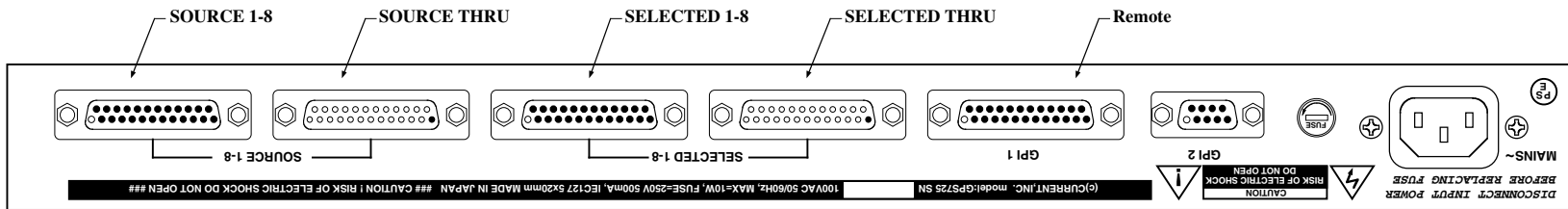
## SPECIFICATIONS

- ▲SOURCE CONNECTOR: Dsub25-F/M (#4-40) Balanced
- ▲DESTINATION CONNECTOR: Dsub25-F/M (#4-40) Balanced
- ▲REMOTE (GPI-1): Dsub25-F (#4-40)
- ▲GPI-2: option Dsub9-F (#4-40)
- ▲SWITCHING ELEMENT: MECHANICAL RELAY
- ▲SWITCHING TIME: < 10mS
- ▲MAINS: 100VAC 50/60Hz MAX=10W
- ▲DIMENSION: 482(w)x44(h)x303(d) 4kg

System switcher	GPS725	¥560,000
accessory: AC cable		

The specifications are subject to change without notice.  
2-26-11 AKATSUTSUMI, SETAGAYA-KU, TOKYO, 156-0044 JAPAN

MONITOR SYSTEM  
HEADPHONES AMP  
CUE SYSTEM  
COMMUNICATION  
TB. COUGH SYSTEM  
MATRIX AMP  
AUDIO ROUTER  
AUDIO VIDEO  
SWITCHER  
SYSTEM SWITCHER  
AUDIO VIDEO  
DISTRIBUTOR  
METER SYSTEM  
ANALOG, DIGITAL  
PREAMP MIXER  
LEVEL UNIT  
DIGITAL AUDIO  
FADER UNIT  
AUTO FADER  
TALLY FADER  
CLOCK TIMER  
EVENT SYSTEM  
SPECIAL PRODUCTS  
ETC.



(c)CURRENT,INC.	8x8 MATRIX SWITCHER GPS725	Oct.2010
H.ICHIHASHI	PANEL DIAGRAM	GPS725-D

# GPS725 Matrix Switcher Connector Pin List

## GPS725 "SOURCE Dsub25-F/M (#4-40)

Ribbon	Hard	Signal name	Designation	Active
1	1	CH-1+	CH-1 HOT	audio
2	14	CH-1-	CH-1 COLD	audio
3	2	CH-1G	CH-1 GND	GND
4	15	CH-2+	CH-2 HOT	audio
5	3	CH-2-	CH-2 COLD	audio
6	16	CH-2G	CH-2 GND	GND
7	4	CH-3+	CH-3 HOT	audio
8	17	CH-3-	CH-3 COLD	audio
9	5	CH-3G	CH-3 GND	GND
10	18	CH-4+	CH-4 HOT	audio
11	6	CH-4-	CH-4 COLD	audio
12	19	CH-4G	CH-4 GND	GND
13	7	CH-5+	CH-5 HOT	audio
14	20	CH-5-	CH-5 COLD	audio
15	8	CH-5G	CH-5 GND	GND
16	21	CH-6+	CH-6 HOT	audio
17	9	CH-6-	CH-6 COLD	audio
18	22	CH-6G	CH-6 GND	GND
19	10	CH-7+	CH-7 HOT	audio
20	23	CH-7-	CH-7 COLD	audio
21	11	CH-7G	CH-7 GND	GND
22	24	CH-8+	CH-8 HOT	audio
23	12	CH-8-	CH-8 COLD	audio
24	25	CH-8G	CH-8 GND	GND
25	13	NC	NONE CONNECTION	

**CAUTION! D-Connector for wiring refer to Hard pin number Description. Mounting screw for D-connector use #4-40 size.**

**注意！ Dサブコネクタの接続はHardピン番号で接続してください。取付ビスは#4-40インチビスです。**

各チャンネルのGNDは共通です。

# GPS725 Matrix Switcher Connector Pin List

## GPS725 "DESTINATION Dsub25-F/M (#4-40)

Ribbon	Hard	Signal name	Designation	Active
1	1	CH-1+	CH-1 HOT	audio
2	14	CH-1-	CH-1 COLD	audio
3	2	CH-1G	CH-1 GND	GND
4	15	CH-2+	CH-2 HOT	audio
5	3	CH-2-	CH-2 COLD	audio
6	16	CH-2G	CH-2 GND	GND
7	4	CH-3+	CH-3 HOT	audio
8	17	CH-3-	CH-3 COLD	audio
9	5	CH-3G	CH-3 GND	GND
10	18	CH-4+	CH-4 HOT	audio
11	6	CH-4-	CH-4 COLD	audio
12	19	CH-4G	CH-4 GND	GND
13	7	CH-5+	CH-5 HOT	audio
14	20	CH-5-	CH-5 COLD	audio
15	8	CH-5G	CH-5 GND	GND
16	21	CH-6+	CH-6 HOT	audio
17	9	CH-6-	CH-6 COLD	audio
18	22	CH-6G	CH-6 GND	GND
19	10	CH-7+	CH-7 HOT	audio
20	23	CH-7-	CH-7 COLD	audio
21	11	CH-7G	CH-7 GND	GND
22	24	CH-8+	CH-8 HOT	audio
23	12	CH-8-	CH-8 COLD	audio
24	25	CH-8G	CH-8 GND	GND
25	13	NC	NONE CONNECTION	

**CAUTION! D-Connector for wiring refer to Hard pin number Description. Mounting screw for D-connector use #4-40 size.**

**注意！ Dサブコネクタの接続はHardピン番号で接続してください。取付ビスは#4-40インチビスです。**

各チャンネルのGNDは共通です。

# GPS725 Matrix Switcher Connector Pin List

## GPS725 "GPI-1 REMOTE Dsub25-F (#4-40)

Ribbon	Hard	Signal name	Designation	Active
1	1	0V	Command common	
2	14	+5V	+5V supply max 25mA	
3	2	SOURCE A	Source address A (1)	Lo
4	15			
5	3	SOURCE B	Source address B (2)	Lo
6	16			
7	4	SOURCE C	Source address C (4)	Lo
8	17			
9	5	SOURCE D	Source address D (8)	Lo
10	18			
11	6	DESTINATION A	Destination address A (1)	Lo
12	19			
13	7	DESTINATION B	Destination address B (2)	Lo
14	20			
15	8	DESTINATION C	Destination address C (4)	Lo
16	21			
17	9	DESTINATION D	Destination address D (8)	Lo
18	22			
19	10	STROBE	STROBE COMMAND	Lo
20	23			
21	11	CLEAR	CLEAR ALL	Lo
22	24			
23	12			
24	25			
25	13			

選択するチャンネルはバイナリでセットして下さい。

全ての入力は6.2kΩで+5Vにプルアップされています。

**CAUTION! D-Connector for wiring refer to Hard pin number Description. Mounting screw for D-connector use #4-40 size.**

**注意！ Dサブコネクタの接続はHardピン番号で接続してください。取付ビスは#4-40インチビスです。**