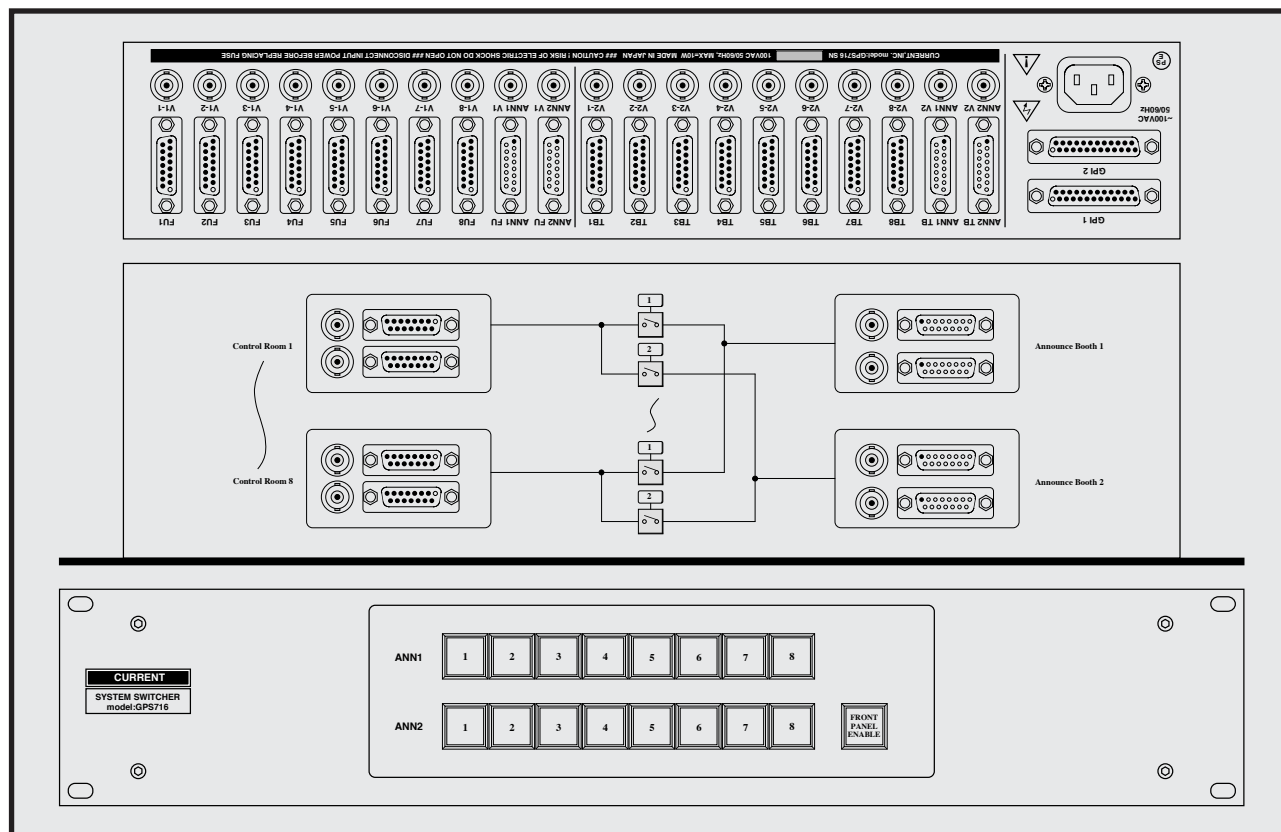


# CURRENT PRODUCTS model:GPS716

## SYSTEM SWITCHER



### 8:2 system switcher

TB, CUE, audio 4ch, video 2ch

Analog audio, digital audio support

It is most suitable for a switch of the cough system

Remote controllable

19 inches 2U size

**GPS716 is 8:2 system switcher. It is most suitable for an application to share 2 announce booths in 8 control room. A TB box, audio 4ch, a switch of composite video 2ch are possible.**

### "Switching"

GPS716 allows the connection of the system even at the time of power-off by using a relay for a switch element. The selection logic is given priority to taking in advance. While some booths are chosen in other rooms (control room), it cannot choose oneself if the room does not remove selection. It prevents an accident switching during use in others by this logic by mistake.

### "Supporting signal"

The Dsub15 connector supports the analog audio of balance specifications and digital audio and control signals of every kind. It can use the BNC connector for an analog audio, digital audio, word clock and a composite video.

### "Termination"

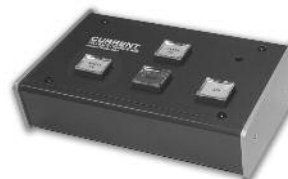
It is loaded between hot and cold to the Dsub25 port which is not chosen about 10KΩ. Likewise, as for the BNC port, it is loaded 75 Ω.

### "Control"

GPS716 can control the control with front panel, a TB box and a GPI connector of the rear panel. In addition, all selection is canceled on the power-off.

### "Others"

'AF224' matches cough unit for GPS716, and 'TB961-21' matches a TB box.

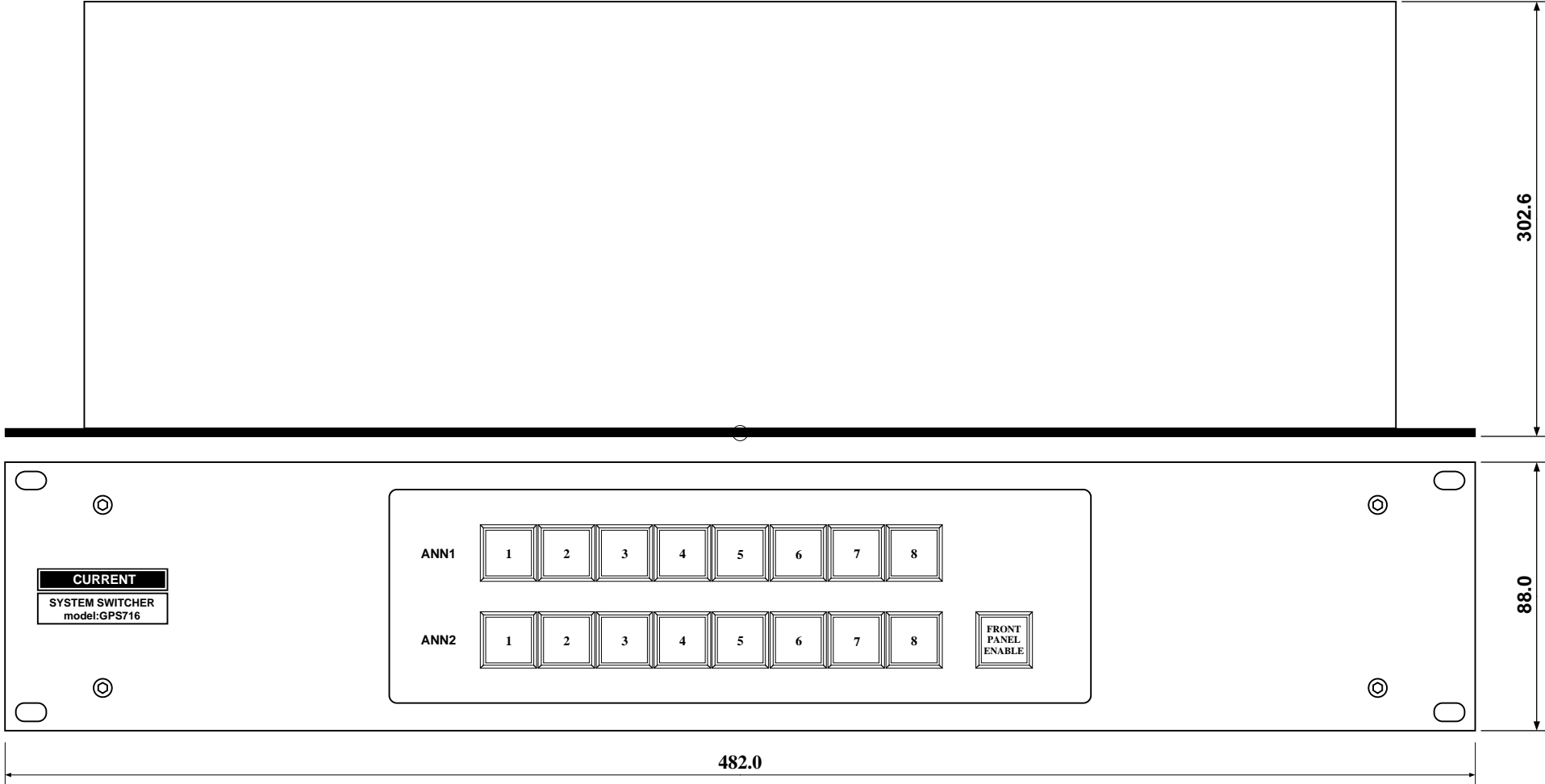
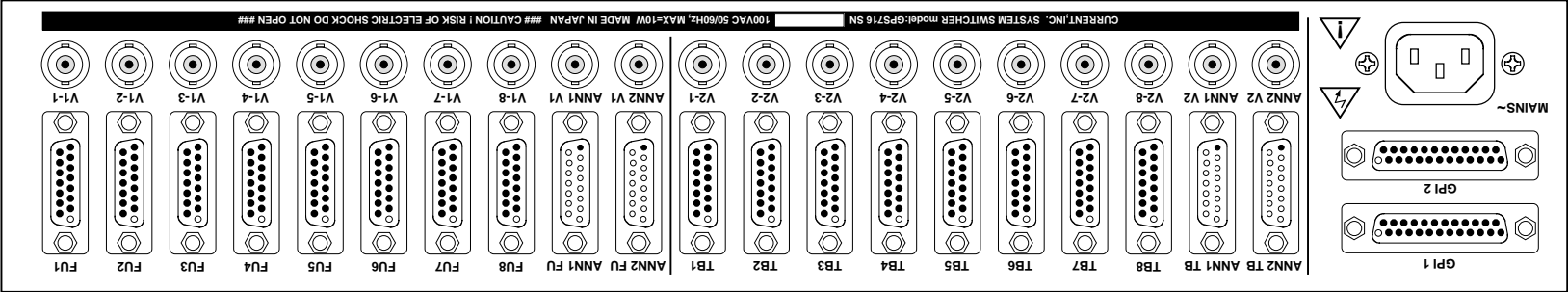


## SPECIFICATIONS

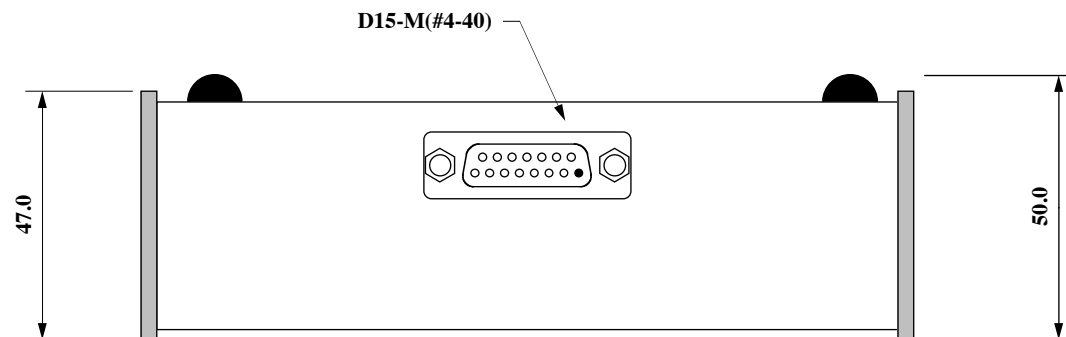
- FU INPUTS 1-8: Balanced 4ch, Dsub15-F (#4-40)
- FU SELECTED: Dsub15-M (#4-40)
- TB INPUTS 1-8: TB-BOX, Dsub15-F (#4-40)
- TB SELECTED: Dsub15-M (#4-40)
- CONTROL: FRONT PANEL, TB BOX, GPI 1/2 (Dsub25-F #4-40)
- SWITCHING ELEMENT: RELAY
- MAINS: 100-120VAC 50/60Hz MAX=10W
- DIMENSIONS: 482Wx88Hx303D5kg

System switcher	GPS716	¥96,000
Remote box	TB961-21	¥80,000
Cough unit	AF224	¥298,000
accessory : AC cable		

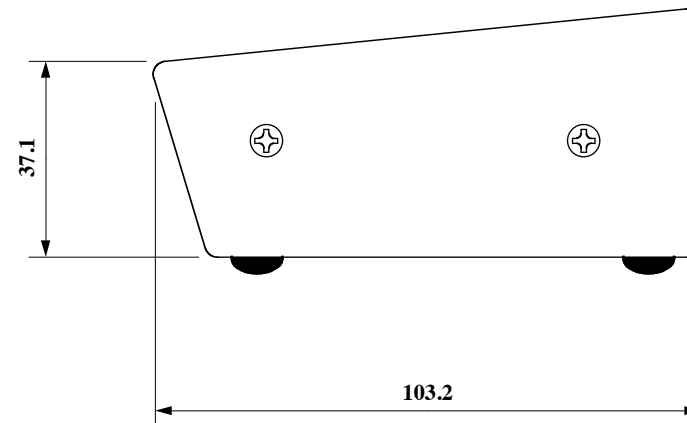
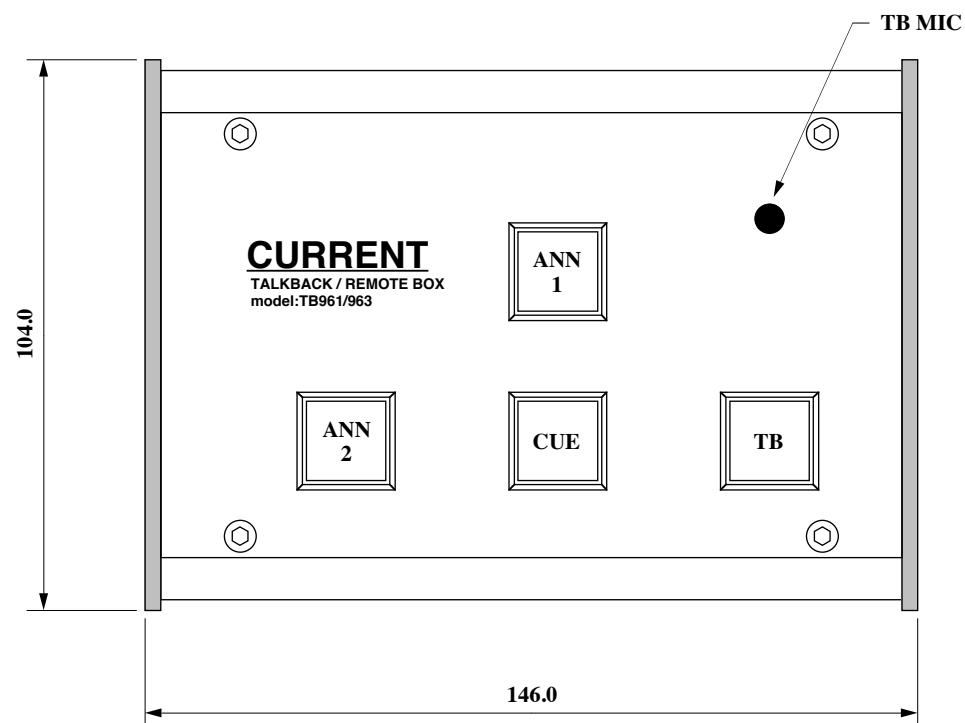
The specifications are subject to change without notice.  
2-26-11 AKATSUTSUMI, SETAGAYA-KU, TOKYO, 156-0044 JAPAN



(c)CURRENT,INC.	SYSTEM SWITCHER GPS716	Jul.2005
H.ICHIHASHI	PANEL DIAGRAM	GPS716-D



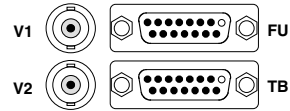
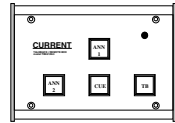
Dsub15-M #4-40	
01 LP COM +5V (716)	09 SW COM 0V (716)
02 LP COM +15V (224)	10 SW COM 0V (224)
03 TB SW	11
04 CUE SW	12
05 ANN1 SW	13 ANN1 LP
06 ANN2 SW	14 ANN2 LP
07 MIC +5V	15 MIC signal
08 MIC GND	



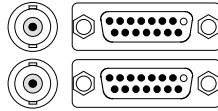
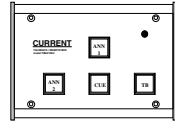
(c)CURRENT,INC.	TALKBACK BOX TB961-21	Jul.2005
H.ICHIHASHI	PANEL DIAGRAM	TB961-21D

# TB/CUE & SELECT

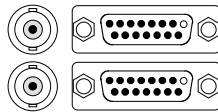
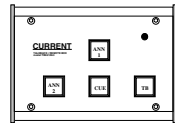
1



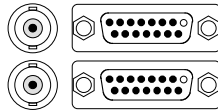
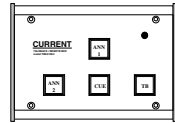
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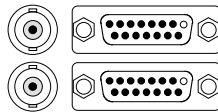
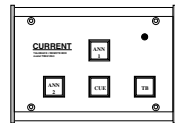
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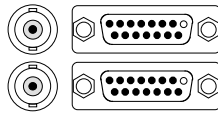
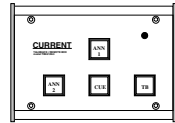
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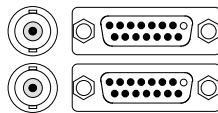
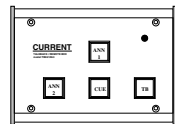
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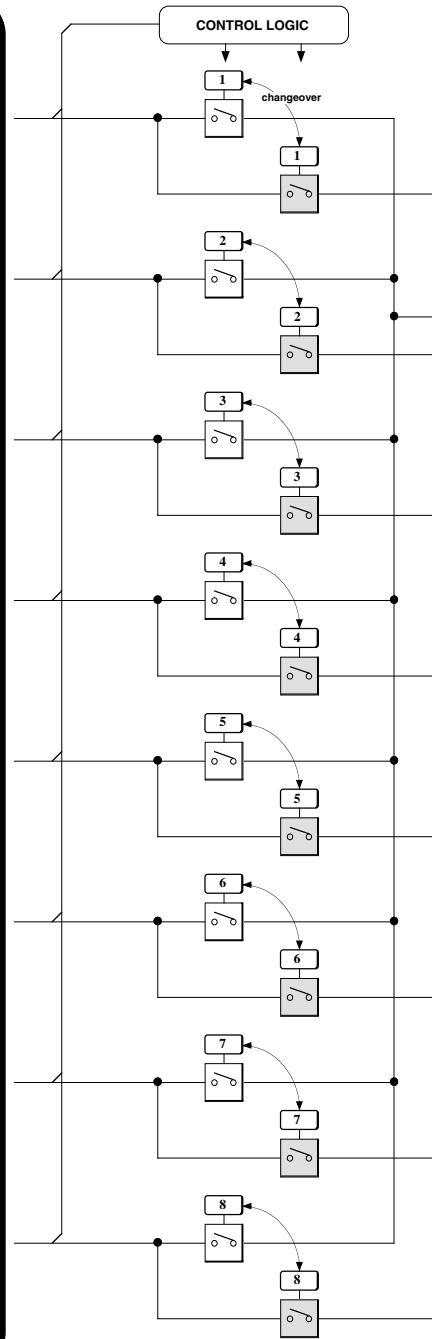
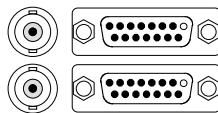
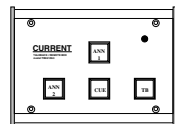
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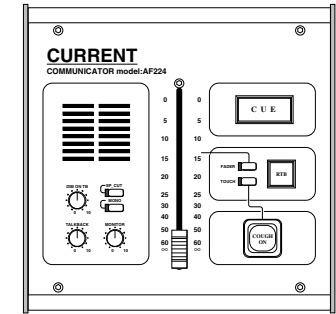
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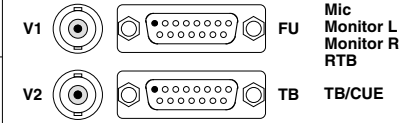
8



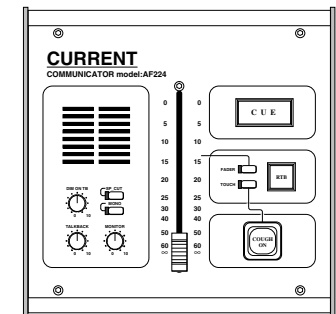
## Cough Unit



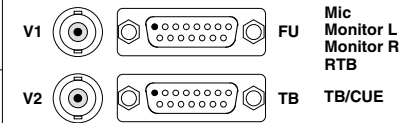
ANN-1



## Cough Unit



ANN-2



(c)CURRENT,INC.	SYSTEM SWITCHER GPS716	Jul.2005
H.ICHIHASHI	SYSTEM DIAGRAM	GPS716-B

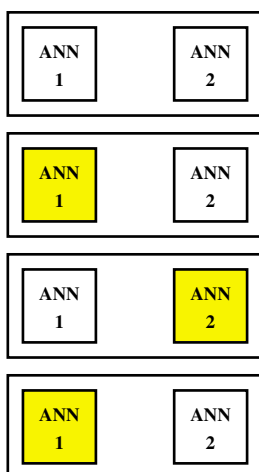
# Sytem Switcher GPS716

## 切り換えロジック

切り換えロジックは自分がブースを使用しているときに他人によって切り換えられてしまう  
ことはありません。自分が使いたいときに他を2OFFにする必要があります。

### 個別コントロールボックスの動作

#### 初期状態

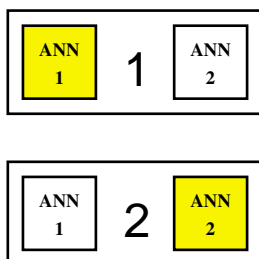


1を押すとランプが点灯。1が選択されます。  
もう一度1を押すと選択が解除されます。つまり、押してon/offです。

2を押すと1がキャンセルされてランプが点灯。2が選択されます。  
もう一度2を押すと選択が解除されます。つまり、押してon/offです。

1を押すとランプが点灯。1が選択されます。  
もう一度1を押すと選択が解除されます。

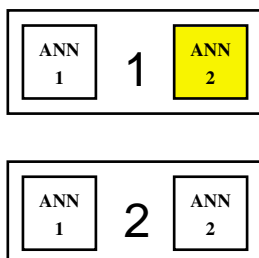
### 複数のサブとの動作



サブ1  
1を選択している状態です。2はサブ2が使用しているので選択できません。

サブ2  
サブ1で選択されているのでサブ2では1を選択できません。  
サブ1で選択されていないのでサブ2では2を選択できます。

### この状態で



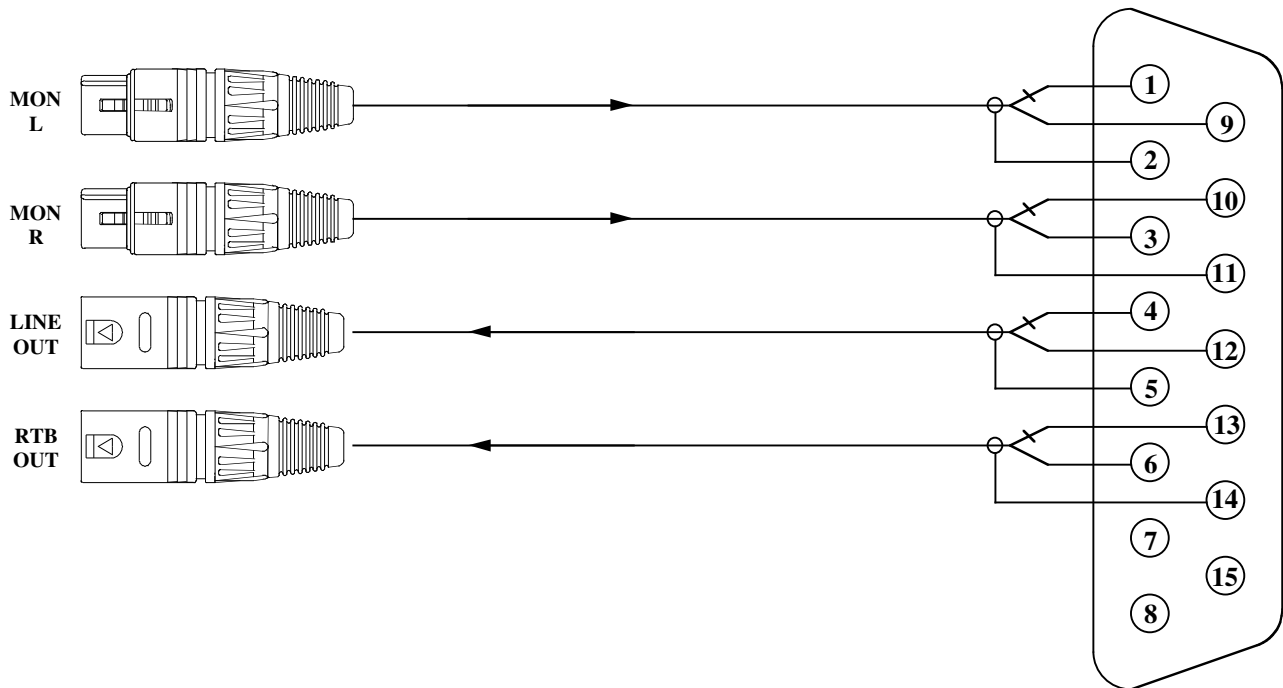
サブ1  
2を使用したい場合にはサブ2で2の選択を解除する必要があります。

サブ2  
サブ1で2を使用可能にするため2の選択を解除します。

# Control Room

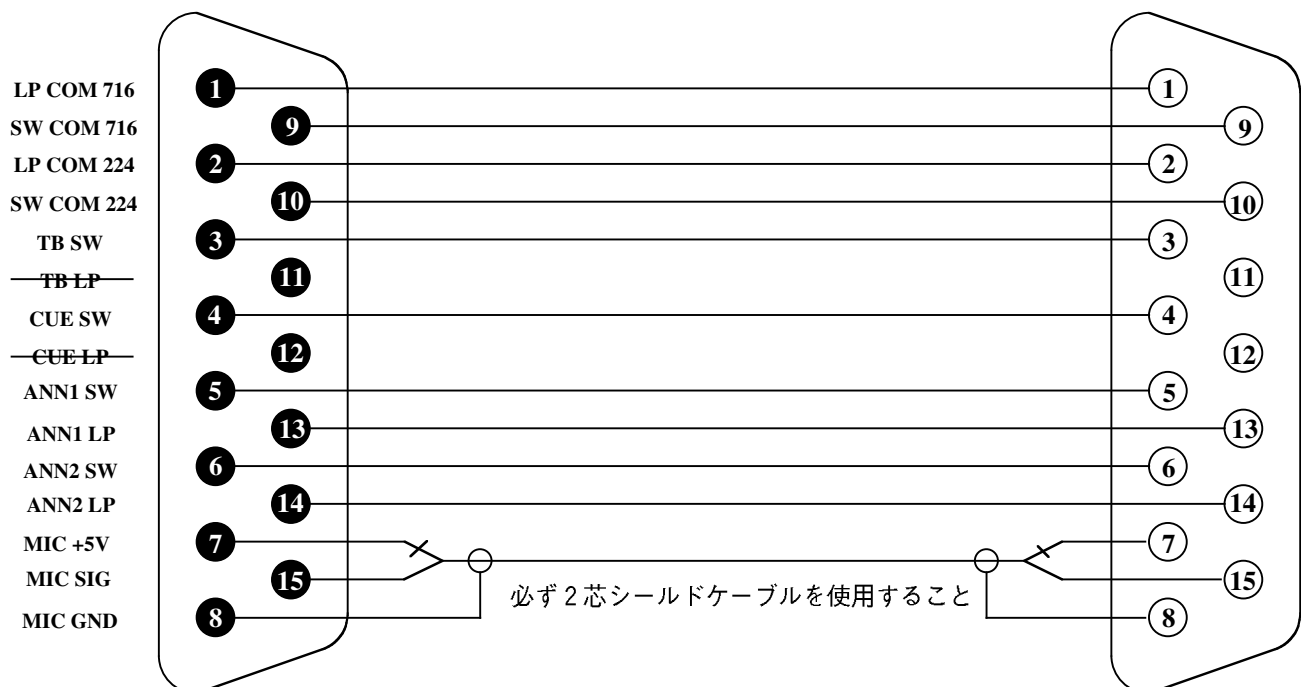
# GPS716

FU1-8  
D15-M (#4-40)



TALKBACK BOX  
TB961-21 D15-F (#4-40)

TB1-8  
D15-M (#4-40)



Feb.2019

(c)CURRENT,INC.	GPS716	Jul.2005
H.ICHIIHASHI	GPS716 <-> TB961-22 CABLE	GPS716-w

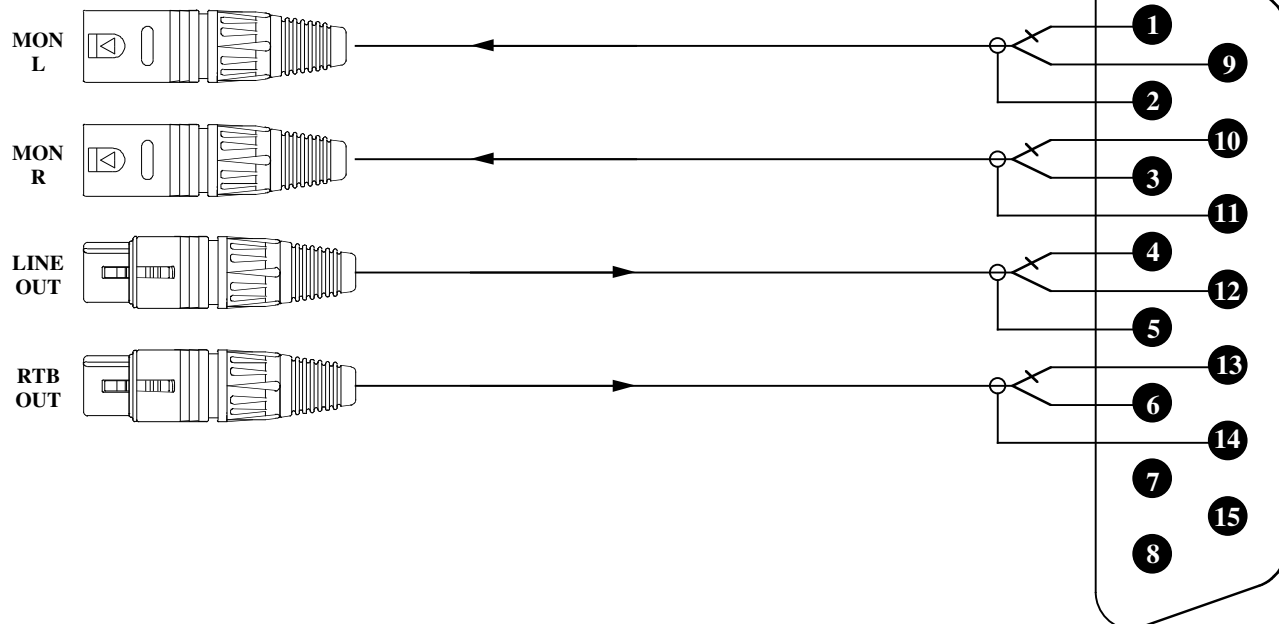
powered by claris cad

# ANN Booth

# GPS716

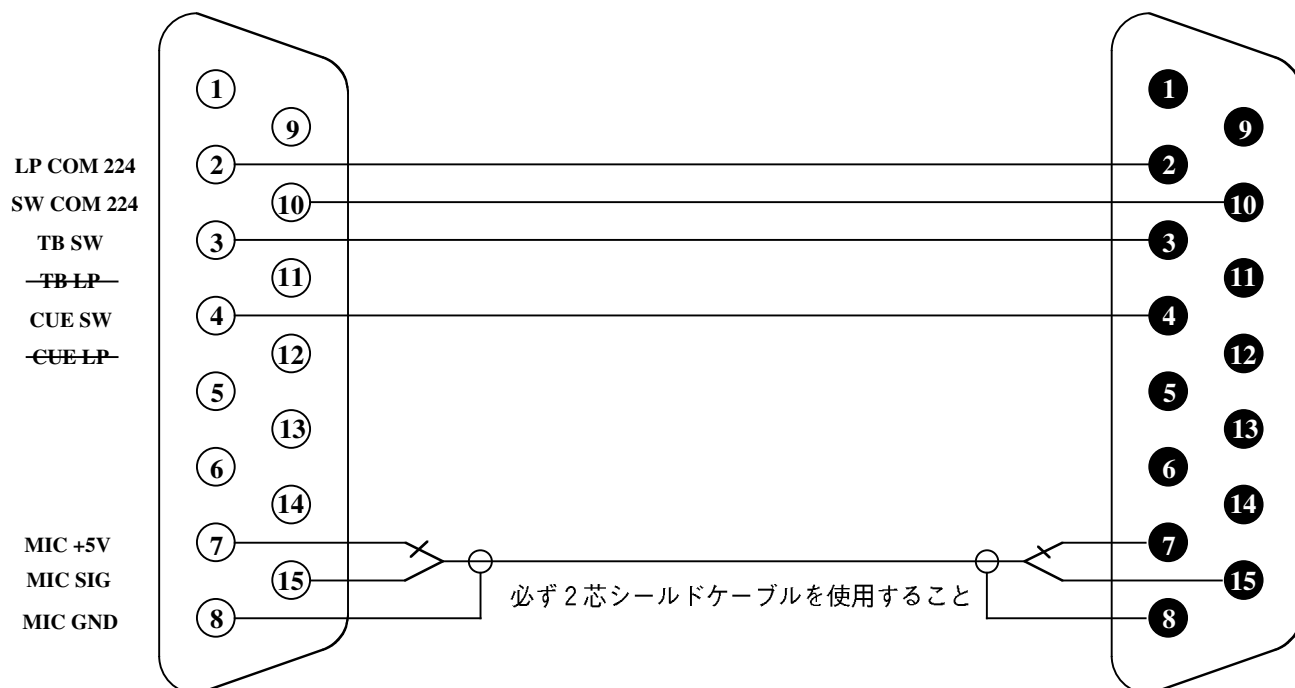
## Cough unit AF224

ANN1/2 FU  
D15-F (#4-40)



AF224 Talkback Box Port  
D15-M (#4-40)

ANN1/2 TB  
D15-F (#4-40)



Feb.2019

(c)CURRENT,INC.	GPS716	Jul.2005
H.ICHIHASHI	GPS716 <-> AF224 CABLE	GPS716-w

powered by claris cad

# GPS716 Connector Pin List

## *GPS716 "FU 1-8" Dsub15-F(#4-40)*

Ribbon	Hard	Signal name	Designation	Active
1	1	CH-1+	CH-1 HOT	audio
2	9	CH-1-	CH-1 COLD	audio
3	2	CH-1G	CH-1 GND	GND
4	10	CH-2+	CH-2 HOT	audio
5	3	CH-2-	CH-2 COLD	audio
6	11	CH-2G	CH-2 GND	GND
7	4	CH-3+	CH-3 HOT	audio
8	12	CH-3-	CH-3 COLD	audio
9	5	CH-3G	CH-3 GND	GND
10	13	CH-4+	CH-4 HOT	audio
11	6	CH-4-	CH-4 COLD	audio
12	14	CH-4G	CH-4 GND	GND
13	7	NC	None connection	
14	15	NC	None connection	
15	8	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 - 4 0 インチビスです。**

## *GPS716 "FU A/B Selected" Dsub15-M(#4-40)*

Ribbon	Hard	Signal name	Designation	Active
1	1	CH-1+	CH-1 HOT	audio
2	9	CH-1-	CH-1 COLD	audio
3	2	CH-1G	CH-1 GND	GND
4	10	CH-2+	CH-2 HOT	audio
5	3	CH-2-	CH-2 COLD	audio
6	11	CH-2G	CH-2 GND	GND
7	4	CH-3+	CH-3 HOT	audio
8	12	CH-3-	CH-3 COLD	audio
9	5	CH-3G	CH-3 GND	GND
10	13	CH-4+	CH-4 HOT	audio
11	6	CH-4-	CH-4 COLD	audio
12	14	CH-4G	CH-4 GND	GND
13	7	Reserved	Reserved Don't connect	
14	15	Reserved	Reserved	
15	8	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 - 4 0 インチビスです。**



# GPS716 Connector Pin List

## *GPS716 "TB 1-8" Dsub15-F(#4-40)*

Ribbon	Hard	Signal name	Designation	Active
1	1	LP COM 716	LAMPS COMMON "GPS716"	+5V
2	9	LP COM 716	SWITCHES COMMON "GPS716"	0V
3	2	LP COM 224	LAMPS COMMON "AF224"	+15V
4	10	SW COM 244	SWITCHES COMMON "AF224"	GND
5	3	TB SW	TB SWITCH	Lo
6	11	TB LP	TB LAMP	Lo
7	4	CUE SW	CUE SWITCH	Lo
8	12	CUE LP	CUE LAMP	Lo
9	5	ANN1 SW	ANN1 SELECT SWITCH	Lo
10	13	ANN1 LP	ANN1 SELECT LAMP	Lo
11	6	ANN2 SW	ANN2 SELECT SWITCH	Lo
12	14	ANN2 LP	ANN2 SELECT LAMP	Lo
13	7	MIC+	TB MIC POWER	+5V
14	15	MIC SIG	TB MIC SIGNAL	audio
15	8	MIC GND	TB MIC GND	GND

**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。**

## *GPS716 "TB A/B Selected" Dsub15-M(#4-40)*

Ribbon	Hard	Signal name	Designation	Active
1	1	Reserved	Reserved Don't connect	
2	9	Reserved	Reserved Don't connect	
3	2	LP COM 224	LAMPS COMMON "AF224"	+15V
4	10	SW COM 244	SWITCHES COMMON "AF224"	GND
5	3	TB SW	TB SWITCH	Lo
6	11	TB LP	TB LAMP	Lo
7	4	CUE SW	CUE SWITCH	Lo
8	12	CUE LP	CUE LAMP	Lo
9	5	GND	GND	GND
10	13	Reserved	Reserved Don't connect	
11	6	Reserved	Reserved Don't connect	
12	14	GND	GND	GND
13	7	MIC+	TB MIC POWER	+5V
14	15	MIC SIG	TB MIC SIGNAL	audio
15	8	MIC GND	TB MIC GND	GND

**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。**

# GPS716 Connector Pin List

## *GPS716 "GPI 1/2" Dsub25-F(#4-40)*

Ribbon	Hard	Signal name	Designation	Active
1	1	SW COM	SWITCHES COMMON	0V
2	14	LP COM	LAMPS COMMON max 50mA	+5V
3	2	SW1	SWITCH A/B 1	Lo
4	15	LP1	TALLY A/B 1	Lo
5	3	SW2	SWITCH A/B 2	Lo
6	16	LP2	TALLY A/B 2	Lo
7	4	SW3	SWITCH A/B 3	Lo
8	17	LP3	TALLY A/B 3	Lo
9	5	SW4	SWITCH A/B 4	Lo
10	18	LP4	TALLY A/B 4	Lo
11	6	SW5	SWITCH A/B 5	Lo
12	19	LP5	TALLY A/B 5	Lo
13	7	SW6	SWITCH A/B 6	Lo
14	20	LP6	TALLY A/B 6	Lo
15	8	SW7	SWITCH 7	Lo
16	21	LP7	TALLY A/B 7	Lo
17	9	SW8	SWITCH A/B 8	Lo
18	22	LP8	TALLY A/B 8	Lo
19	10			
20	23			
21	11			
22	24			
23	12			
24	25			
25	13			
<b>CAUTION! D-Connector for wiring refer to Hard pin number Description. Mounting screw for D-connector use #4-40 size.</b> <b>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。</b>				