



**GB4**  
— — — —

## I

[Redacted]	3
SOVICO A/S	4
[Redacted]	5
	6
	8
	10
&	11
	12
Audio Connector Pinouts	13
Dimensions	14
[Redacted]	15-19
[Redacted]	20
	22
	25
Rear Connector Panel	27
[Redacted]	29



## GB4

- input 48V
- 8 Aux send
- 8 send ( )
- 4
- 7x4 output
- output
- GB30
- 4 GB30 EQ.
- 
- TRS XLR
- input Output

## SOVICO A/S

, ( : ) 가  
 , CJ ( 02.504.4544)  
 ( , / , , , , , (Serial Number),  
 , )

SOVICO

## A/S

3 1027-5 SOVICO 1

Tel : 02-2106-2800/4

Fax : 02-584-2106

519

2

Tel : 051-757-4112~3

Fax : 051-752-6228

571 99-8 212

Tel : 062-228-6553,4,5, 062-351-6601

: 09:00 ~ 18:00 ( :12:00~13:00)  
 : 09:00 ~ 13:00 ( , )  
 , :



Warnings

가

가

가



Cautions

( )



Notes



output

## I

이 기기는 반드시 접지되어야만 합니다.  
어떤 상황에서건 메인 접지는 메인 배선으로부터 분리되어 있어야만 합니다.

(lead) 가 .  
: ( / - )  
(Neutral): ( - )  
(Live): ( - )

가 N E  
L  
가 가  
SOVICO



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가

가 가

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가

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가

가

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가

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가

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- 

가

가

SOVICO가

가

( , - ) 가

!

(flightcase)

가

(GB8 )

(Power Cable)

! 가

(Signal Levels)

input

DC, AC

RF

OdBu = 0.775V RMS

가

input

가

input

Input output

## (Mains Installation)

(General Wiring Procedures)

Soundcraft

가

(Hum), (buzz),

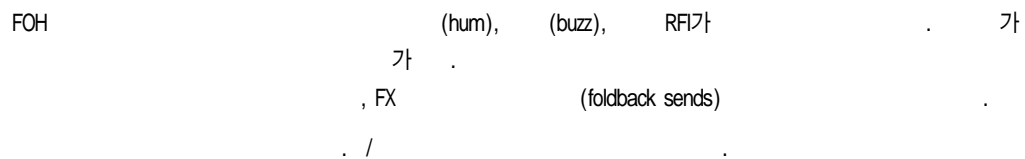
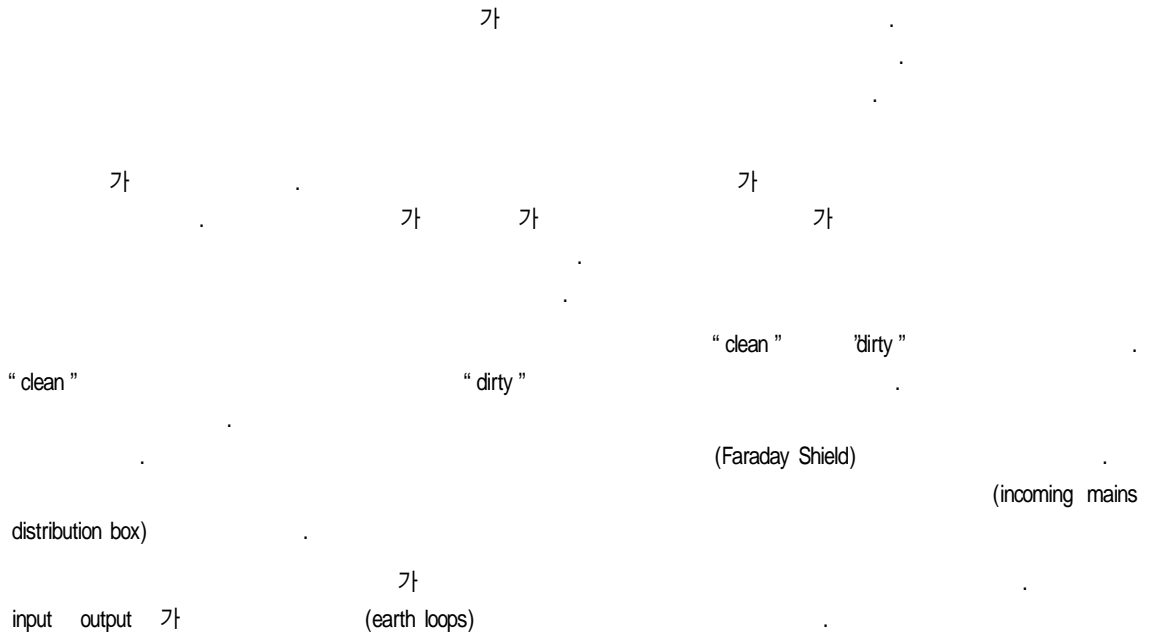
가

가

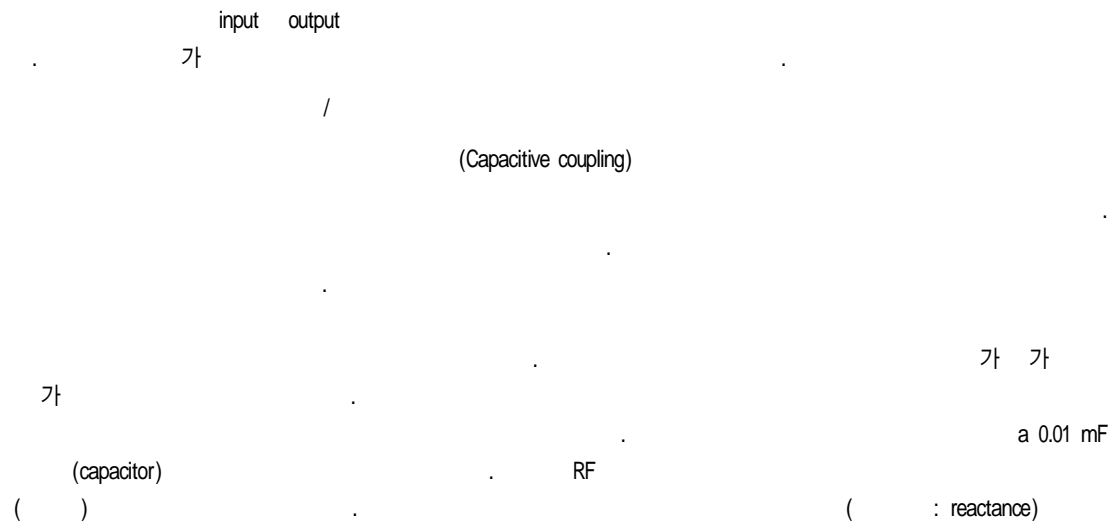
가



## (Initial Wiring Considerations)



## (Shielding)



Output

input output 가

가

RF

가

“

가

가

가

(1926.52)

PERMISSABLE NOISE EXPOSURE

DURATION PER DAY

HOURS SOUND LEVEL dBA SLOW RESPONSE

8	90
6	92
4	95
3	97
2	100
1.5	102
1	105
0.5	110
<0.25	115

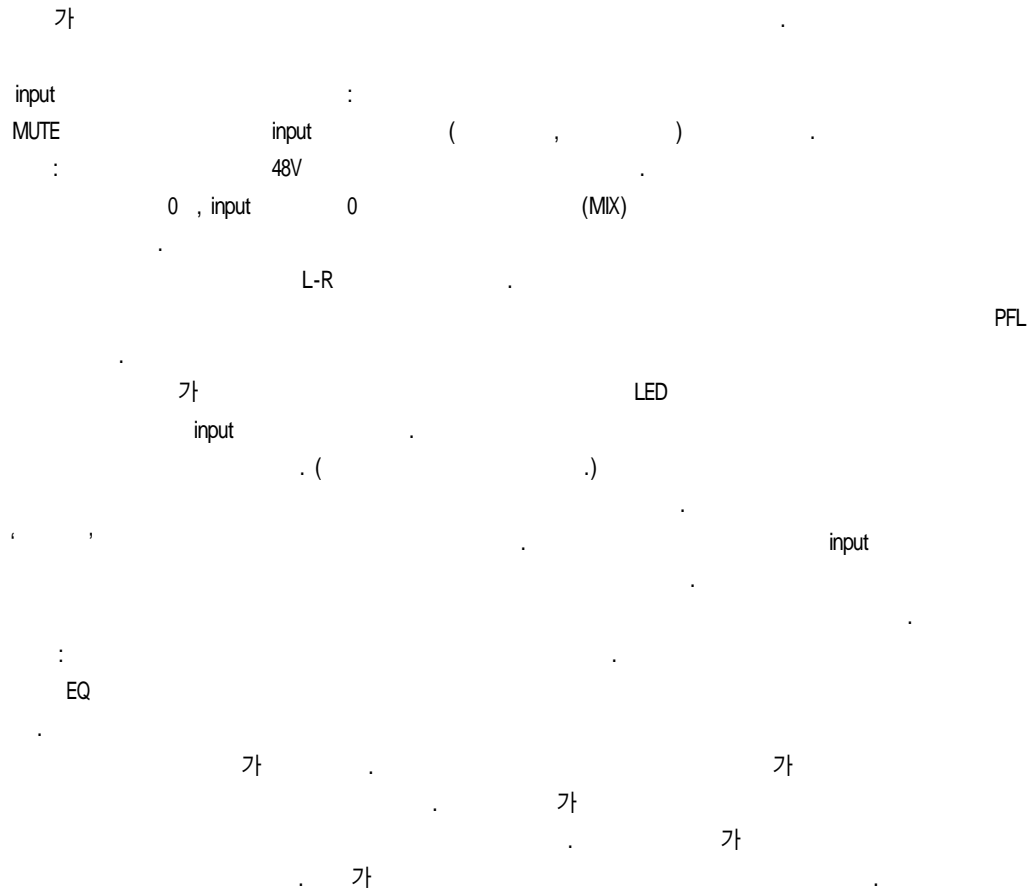
가

가

가

가

## I &



전원이 들어오지 않아요.

- 가 ?
- ?
- 
- 

콘덴서 마이크가 작동하지 않아요.

- 48V 가 ?
- 가 input ?
- 3-wire 가 ?

- 미터기 상에 어떤 시그널도 들어오지 않아요.
  - Input ? ( .)
  - 가 input ?
  - 가 가 ?
  - max ?
  - Input ?
  - output ?
  - mute 가 ?
  - 가 .
  - PFL/AFL ?
- Mix 출력이 되지 않아요.
  - ?
  - + ?
  - 가 ?
- 모니터 출력이 되지 않아요.
  - ?
  - + ?
  - ?
- 헤드폰에 디스토션이 잡혀요.
  - 200 가 ?
  - ?



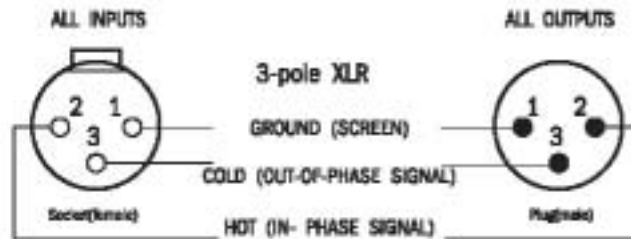
GB4

가

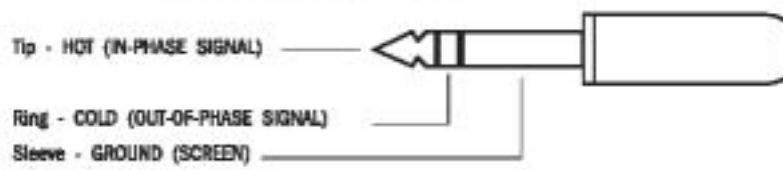
(DPS-3)

## Audio Connector Pinouts

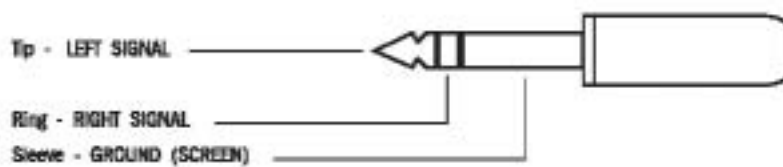
### Audio Connector



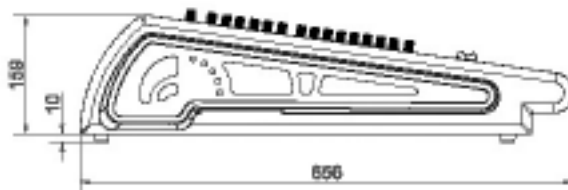
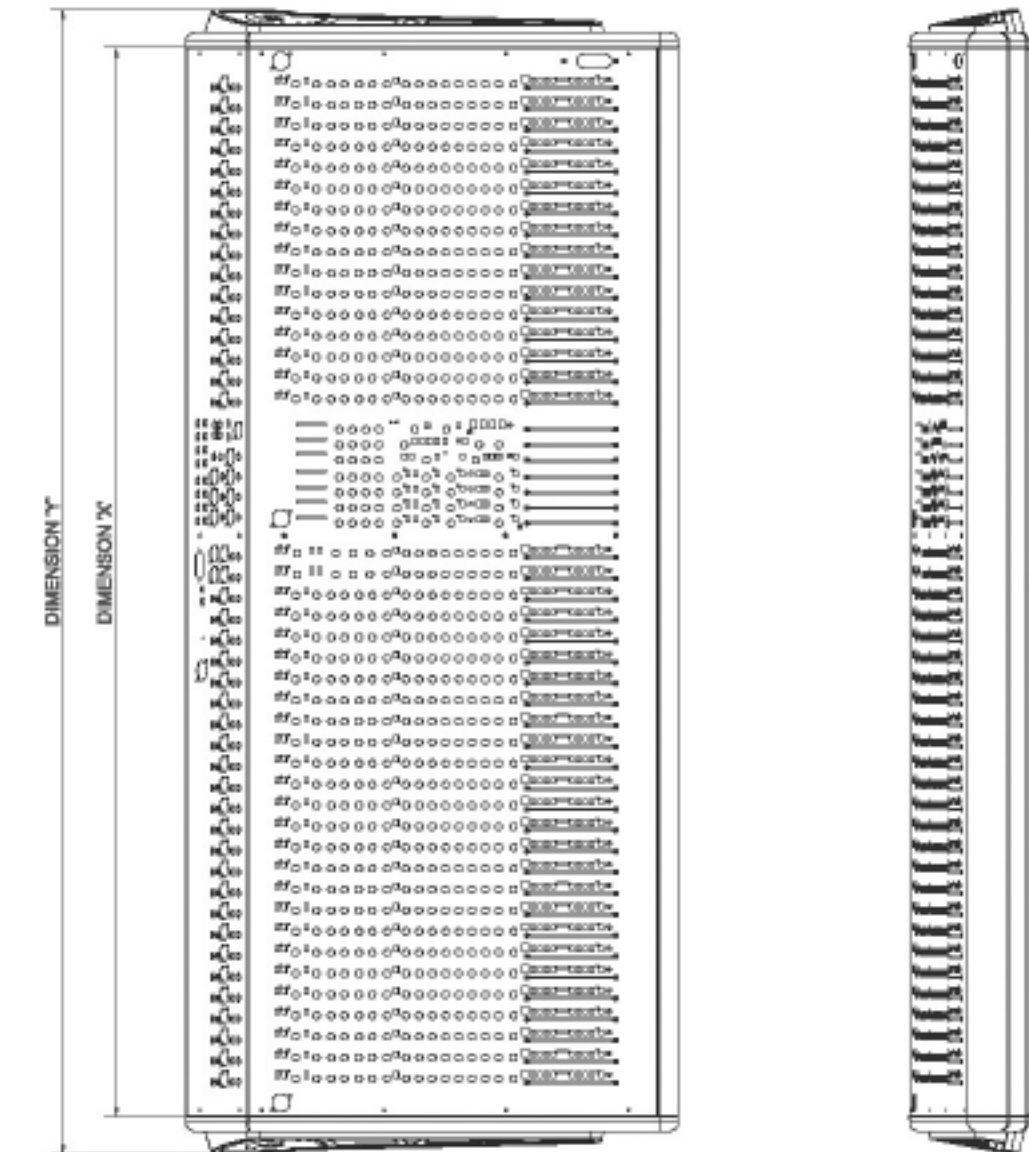
### 1/4" Stereo Jack Plug used as balanced Input/Output: All Jacks Except Headphones



### 1/4" Stereo Jack Plug used For Headphones



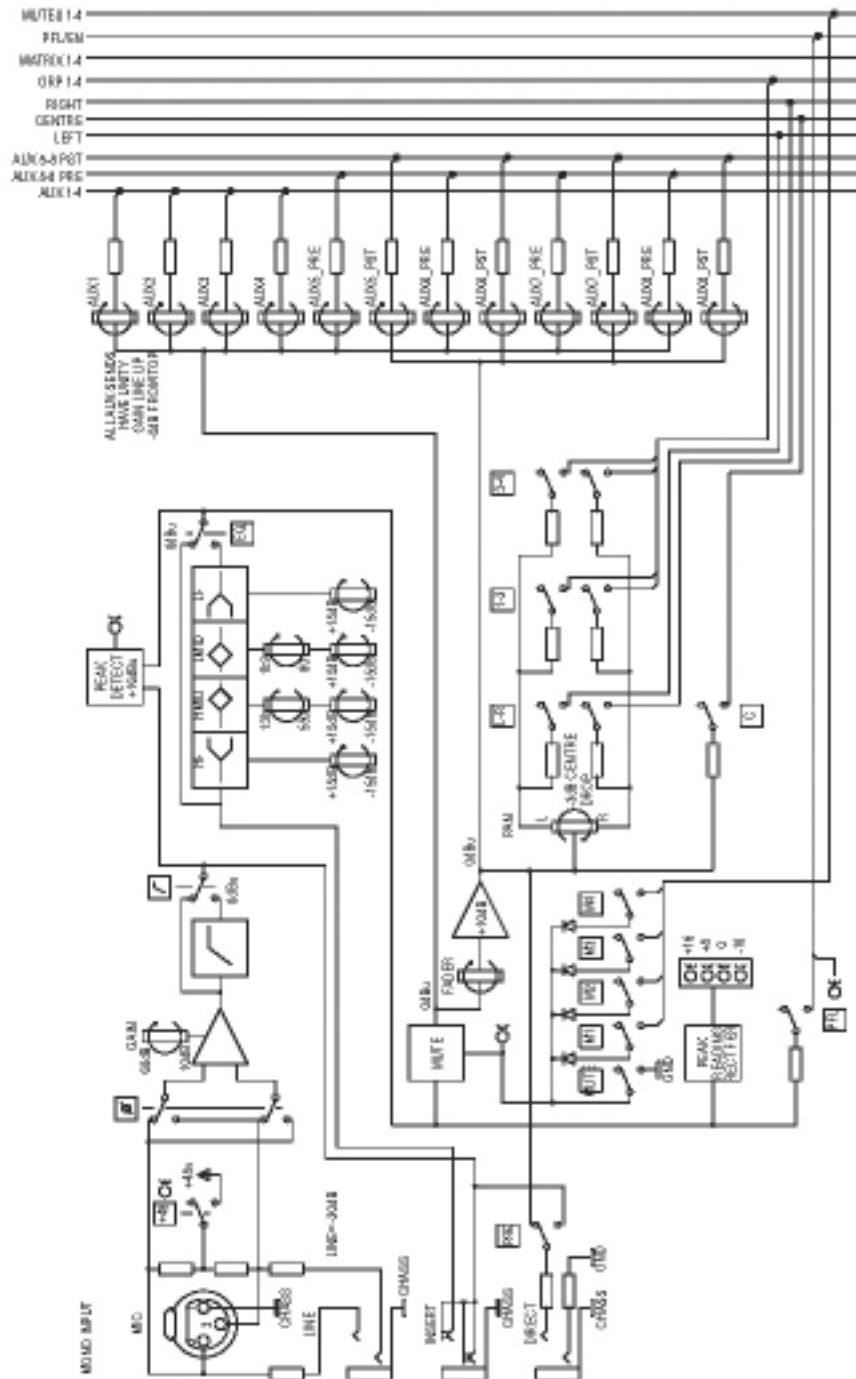
## Dimensions



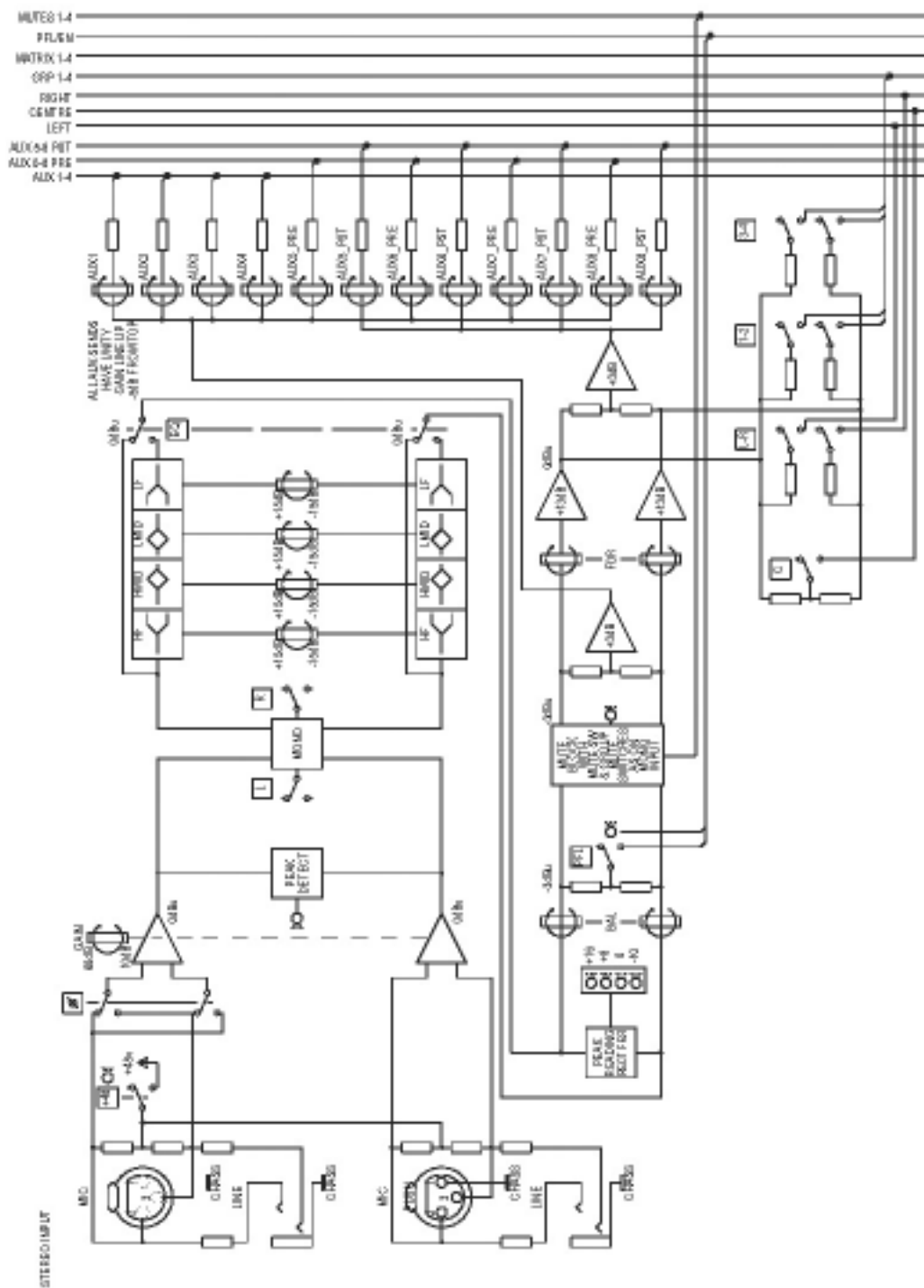
GB4 CONSOLE OVERALL DIMENSIONS		
FRAME SIZE	DIMENSION 'Y'	DIMENSION 'X'
12CH	729.76mm	627.73mm
18CH	841.62mm	739.49mm
24CH	1065.04mm	963.01mm
32CH	1298.67mm	1187.64mm
40CH	1523.19mm	1421.16mm

## Block Diagrams

## Mono Inputs

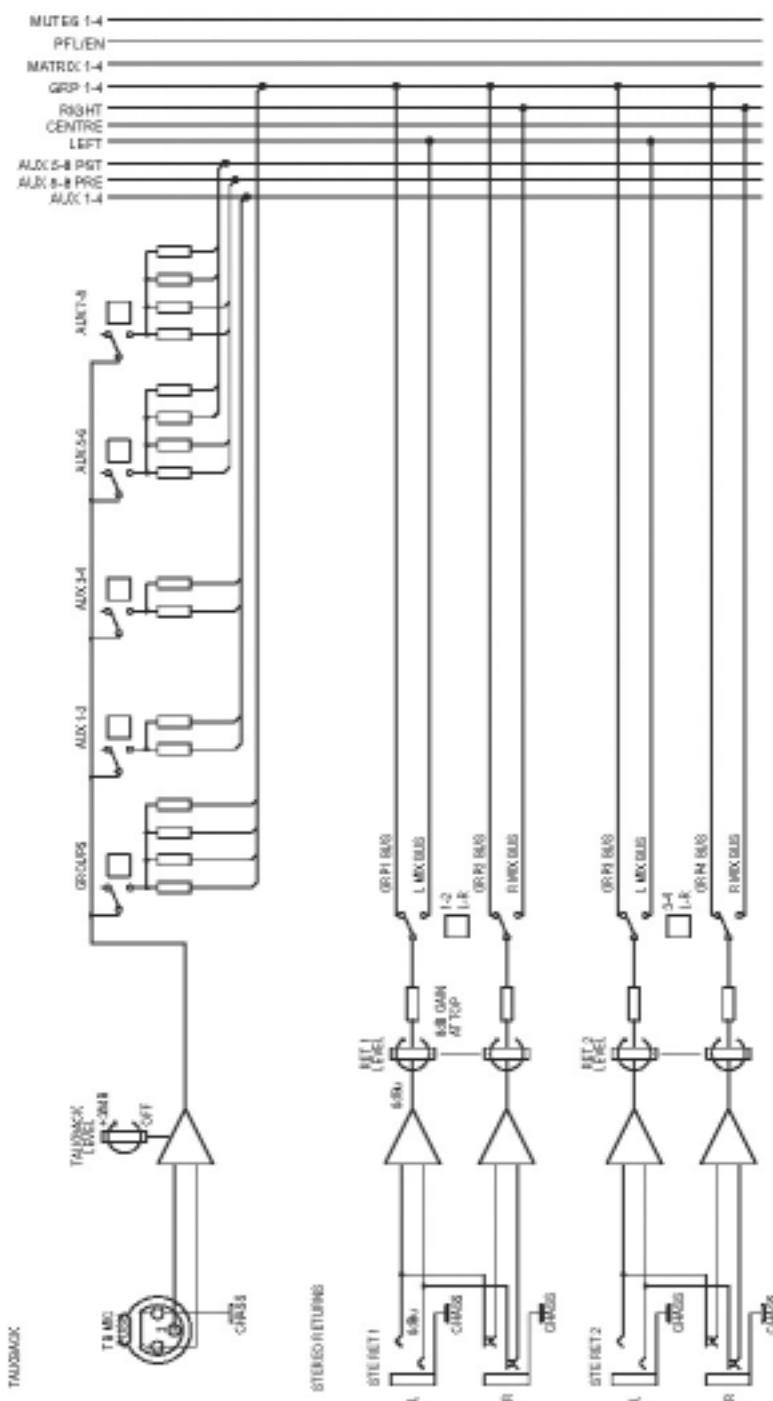


## Stereo Inputs

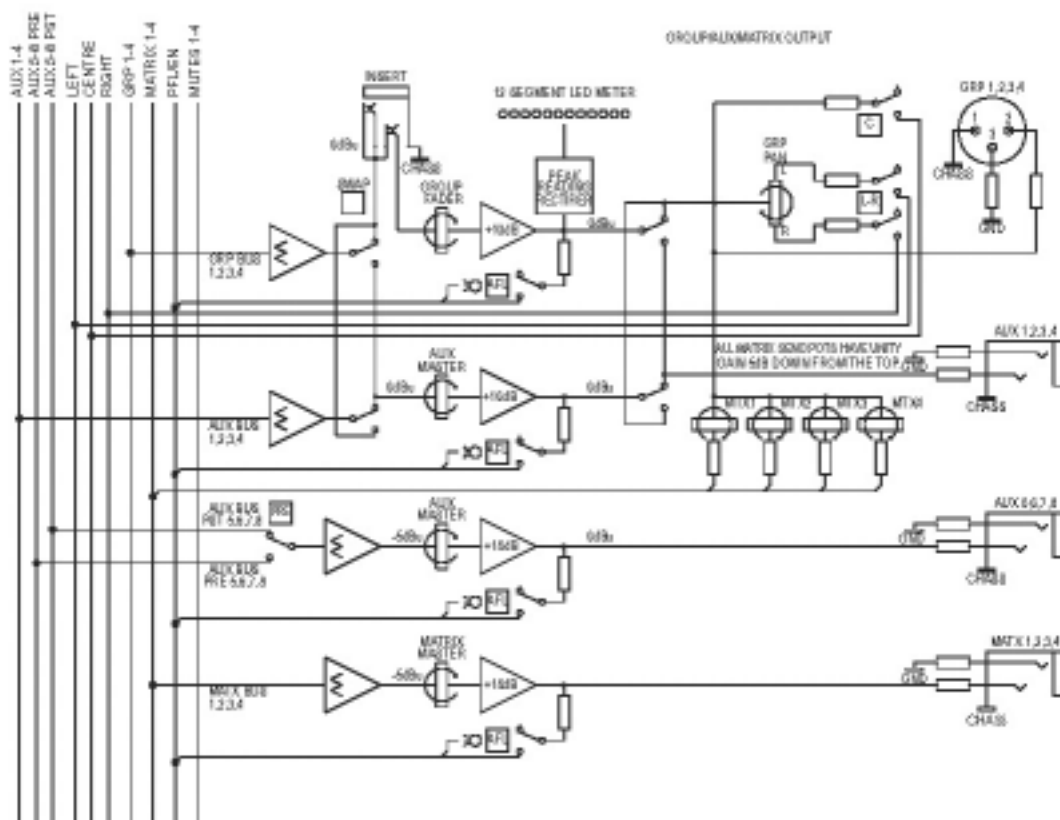




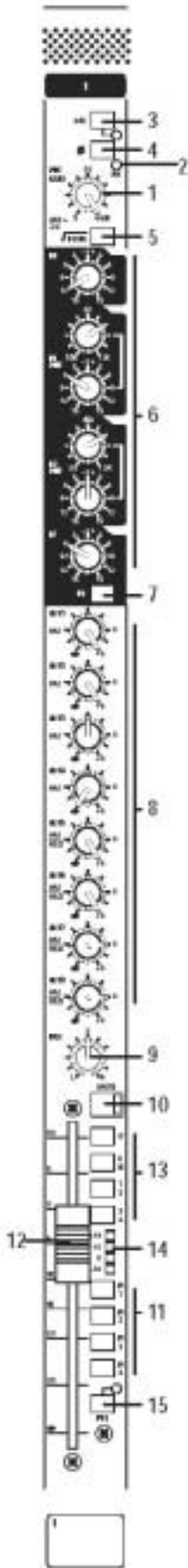
## Talkback and Stereo Returns



## Group/Aux/Matrix Outputs







## (Mono Input)

(MIC GAIN -1) (XLR) (1/4" jack) inputs ( )  
input

LED(PEAK LED -2) : - (pre-insert) -  
EQ(post-EQ)

48V (3) 48V input XLR 가 LED

(PHASE switch -4) input

- (HI-PASS -5)  
pre-EQ , pre-fader

EQ (6) 4 HF LF swept peaking , 가  
HF LF 12kHz 60Hz +/-15dB /  
- (Lo-mid) 80Hz-1.9kHz +/-15dB / - (Hi-mid) 550Hz-13kHz  
+/-15dB /

EQ (7)

(8) AUX 1-8 . Aux 1-4 pre-fader  
Aux5-8 pre post fader

L+R( ) 1-2 3-4 PAN (9)  
(pan)

(MUTE) (10) M1 - M4 (11)  
M1-M4

- 100mm (12)

C, L+R, 1-2,3-4, (13) 4  
. 2 1&2, 3&4

4 (segment) (14) -EQ, - (pre-mute), -  
(pre-fade) 가

PFL (15) - (pre-mute), - (pre-fade signal) output output  
. PFL 가 LED

I



**INSERT (1/4" TRS Jack)**

- Tip Return Signal
- Ring Send Signal
- Sleeve Ground

**LINE INPUT (1/4" TRS Jack)**

- Tip Signal Hot
- Ring Signal Cold
- Sleeve Ground

**MIC INPUT (3 pin female XLR)**

- Pin 1 Ground
- Pin 2 Signal Hot
- Pin 3 Signal Cold

**DIRECT OUTPUT (1/4" TRS Jack)**

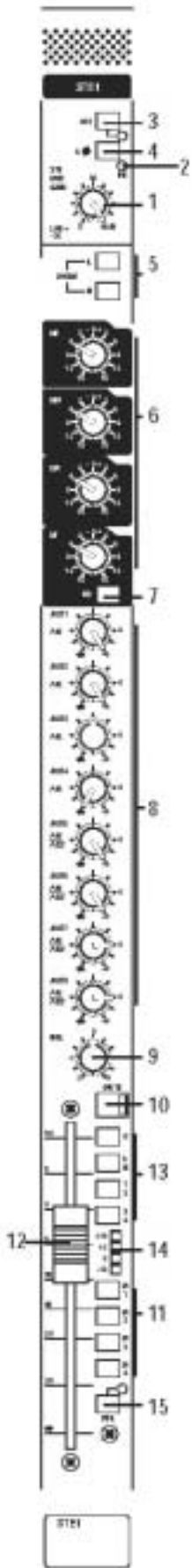
- Tip Signal Hot
- Ring Ground
- Sleeve Chassis

DIRECT OUTPUT

(post fader)

PRE

가 pre-Insert



## (Stereo Input)

(STE -MIC GAIN -1) (XLR) (1/4" jack) inputs ( )  
input  
LED(PEAK LED -2)  
48V (3) 48V input XLR 가 LED  
(PHASE switch -4)  
L - (5) input L R input sum R input  
EQ (6) 4 HF LF 가  
HF 12kHz +/-15dB / LF 60Hz +/-15dB /  
HM 2.5kHz +/-15dB / LM 450Hz +/-15dB /  
EQ (7)  
pre-fader (Mono Sum) (8) AUX 1-8 Aux 1-4  
Aux5-8 pre post fader  
BAL (9) 가 (10) M1-M4 (11)  
(MUTE)  
100mm (12)  
C, L+R, 1-2, 3-4 (13) 4  
. 4 1&2, 3&4  
(Mono Sum)  
4 (segment) (14) -EQ, - (pre-mute),  
(pre-fade) 가  
PFL (15) - (pre-mute), - (pre-fade signal) output output  
. PFL 가 LED



MIC INPUT LEFT and RIGHT (3 pin female XLR)

Pin 1 Ground

Pin 2 Signal Hot

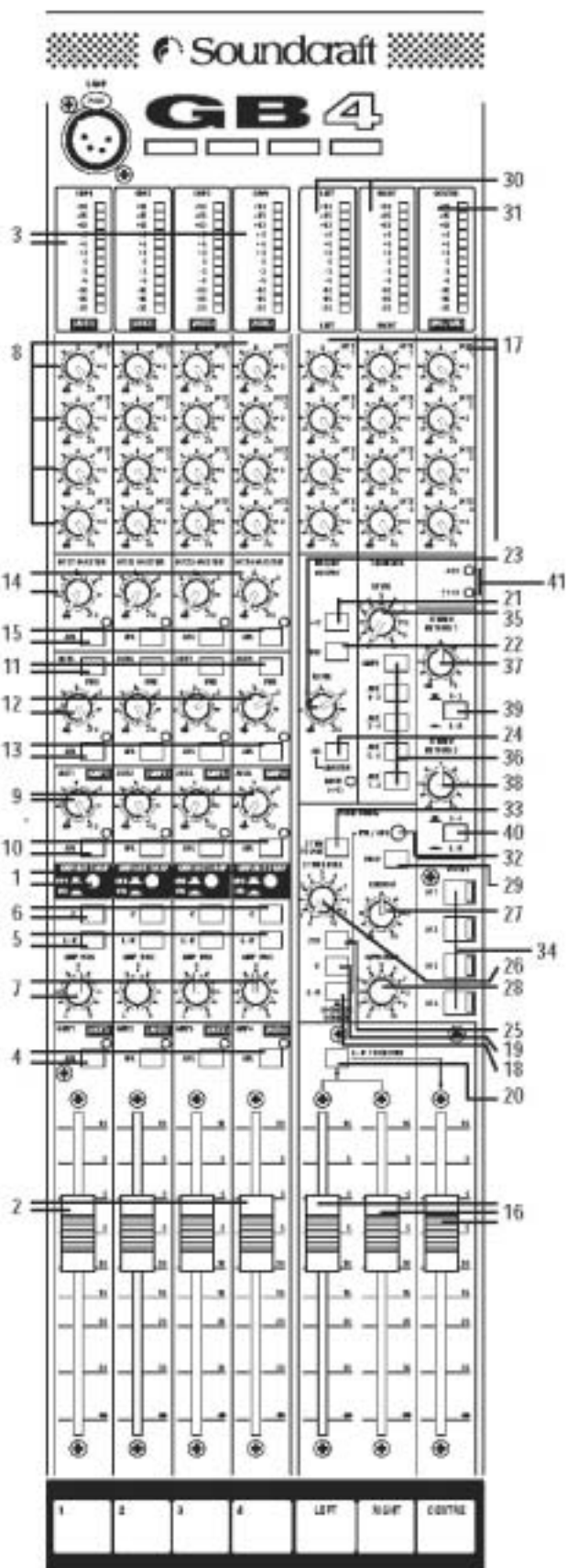
Pin 3 Signal Cold

LINE INPUT LEFT and RIGHT (1/4" TRS Jacks)

Tip Signal Hot

Ring Signal Cold

Sleeve Ground





## I (Master Section)

### (GROUPS)

12- GRP/AUX SWAP (1) aux 1-4 aux  
 swap ( AFL ) aux  
 (segment) 가 aux output  
 swap( ) 가  
 GRPx fader (2) output XLR  
 12- (segment) (3)  
 AFL (4) - output output  
 - L-R (5) , C (6)  
 PAN (7) L-R  
 - 4 input pot(8) 4  
 AUX 1-4  
 Aux 1-4 input  
 AUX 1-4 pot (9) aux pot(9) aux output  
 AFL (10) aux - output output  
 AUX 5-8  
 AUX 5-8 - PRE(11)  
 AFL (13) aux - output output

### (MATRIX MASTERS)

MTX pot (14) output  
 AFL (15) - output output

## L, R & C Outputs

3 (16) 가 .

- output XLR
- 1-4 (17)
- REC/ALT output
- L-R (18) C (19)

L & R output sum L-R TO CENTRE (20) C output

## REC ALT Outputs

REC/ALT output 2 (L & R) 2 output 가 .: RCA  
1/4"

REC ALT L, R & C (16) 가 . C (21) L & R C  
(22)

LEVEL pot (23) LIMITER ON (24) LED 가

## & PFL

( ) L & R outputs ( ) output

- 2 input(25), TRK LEVEL (26)
- , C(19),
- , L-R (18).

L & R outputs H/PHONES pot (28) (L & R) C/ROOM pot (27)  
(29) sum L & R

L & R 12- (segment) (30)

(31) AFL PFL 가 output  
PFL AFL PFL/AFL PFL/AFL output  
PFL/AFL LED (32)

: 2- input 2 TRK TO MIX (33) L-R

## (Master Mutes)

4 (38) input

(Talkback)

input

LEVEL pot(35)

(36)

, aux 1-2, aux 3-4, aux 5-6

aux 7-8

(STEREO RETURNS)

2

1/4"

(37) 가

(38)

L -R

1

1( )

2( )

2 3&4

PSU

LED

LED(39)

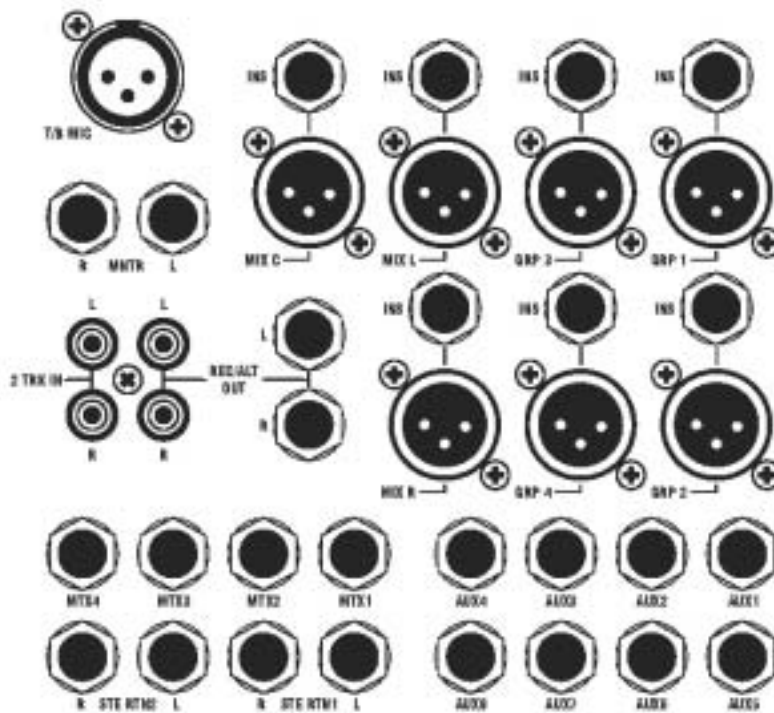
+/-17V

(power rails)

+48V

가

## ■ Rear Connector Panel



T/B MIC (3-pin female XLR)

Pin 1 Ground

Pin 2 Signal Hot

Pin 3 Signal Cold

MIX L, R & C OUTPUTS (3-pin male XLRs)

Pin 1 Chassis

Pin 2 Signal Hot

Pin 3 Gnd

MIX L, R & C INSERT POINTS (1/4 " TRS Jacks)

Tip Return Signal

Ring Send Signal

Sleeve Chassis

L & R MONITOR OUTPUTS (1/4 " TRS Jacks)

Tip Signal

Ring Gnd

Sleeve Chassis

GROUP 1-4 OUTPUTS (3-pin male XLRs)

Pin 1 Chassis

Pin 2 Signal Hot

Pin 3 Gnd

GROUP 1-4 INSERT POINTS (1/4 " TRS Jacks)

Tip Return

Ring Send

Sleeve Chassis

AUX 1-8 OUTPUTS (1/4 " TRS Jacks)

Tip Signal

Ring Gnd

Sleeve Chassis

MATRIX 1-4 OUTPUTS (1/4 " TRS Jacks)

Tip Signal

Ring Gnd

Sleeve Chassis

REC/ALT OUTPUTS (1/4 " TRS Jacks and RCA Phonos)

JACK

Tip Signal

Ring Gnd

Sleeve Chassis

PHONO

Centre Signal

Screen Chassis

2-TRACK INPUTS (RCA Phono)

Centre Signal

Screen Chassis

STEREO RETURN 1 & 2 INPUTS (1/4 " TRS Jacks)

Tip Signal Hot

Ring Signal Cold

Sleeve Chassis

## TYPICAL SPECIFICATIONS

<b>Noise</b>	
Measured RMS, 22Hz to 22kHz Bandwidth	
Mic E.I.N. @ unity gain, 150 source impedance	-128dBu
Mix Output, 40 inputs routed to mix	<-82dBu
Group Outputs	<-83dBu
Aux Outputs	<-80dBu
Matrix Outputs	<-89dBu
<b>Crosstalk (@1kHz, typical)</b>	
Input Channel Mute	<-97dB
Input Fader cut-off	<-95dB
Pan isolation	<-77dB
Mix route isolation	<-97dB
Group route isolation	<-97dB
Adjacent channel crosstalk	<-99dB
Group to Mix	<-89dB
Aux Send pots offness (typical)	<-84dB
Matrix Send pots offness (typical)	<-89dB
<b>Frequency Response</b>	
Mic/Line Input to any output, 20Hz - 20kHz	<1dB
<b>THD + N</b>	
Mic sens. -30dBu, +20dBu at all outputs @1kHz	<0.006%
<b>CMRR</b>	
Typical @ 1kHz	80dB
<b>Input &amp; Output Max Levels</b>	
Mono & Stereo Mic Inputs	+15dBu
Mono & Stereo Line Inputs	+30dBu
Stereo Returns & Insert Returns	+20dBu
Any output	+20dBu
Nominal Operating Level	0dBu
Headphone Power	2x250mW into 200
<b>Input &amp; Output Impedances</b>	
Mic Inputs	2k
Line Inputs and Stereo Returns	10k
Input channels Insert Return	5k with EQ in, otherwise 3k
Mix, Group, Aux, Matrix & Direct outputs	150
Insert sends	75
Recommended Headphone Impedance	50 - 600

