ALTERATIONS RESERVED!

ISSUE	REVISION	DATE	NAME
D	29/01	03.04	HSa
C	18/01	19.03	Lang
B	05/01	23.02	Stangl
A	Nullserie		Lang

Last modified: 04.05.2001 12:20:22

Last plotted: 21.05.2001 11:05:39

	DATE	NAME
DSG'D		
CHK'D		
APP'D		

81346D mono-input

CIRCUIT DIAGRAM 2/4

357 414

MIDAS

MIDAS Venice

2-

ALTERATIONS RESERVED!

C	37/01	31.05	Stangl
B	06/01	23.02	Stangl
A	Nullserie		Stangl
ISSUE	REVISION	DATE	NAME

Last modified: 31.05.2001 09:05:26

Last plotted: 18.06.2001 12:36:35

2000	DATE	NAME
DSG'D	12.09	Stangl
CHK'D		
APP'D		

MIDAS

82230b stereo-input

CIRCUIT DIAGRAM

1/5

357 418

MIDAS Venice

2-

MAS-L
MASGNDSE
MAS-R
MASGNDSE
TA-IN-L
TA-IN-R
mute
red
D501
+U6
S7-D
mute
CN20-9
R6 15k
-U6
R7 15k
masters
bal
M-INS-SL
M-INS-RL
M-INS-SR
M-INS-RR
M-B-PR-L
M-B-PR-R
M-B-PO-L
M-B-PO-R
M-A-OUTL
M-A-OUTR
CN20-3
CN20-4
CN20-5
CN20-6
CN20-7
CN20-8
VR15-A 50kA
VR15-B 50kA
VR17-A 10kAC
VR17-B 10kAC
S7-A
S7-B
S7-C
masters b pre/post
masters b stereo/mono
PRE
POST
S10-A
S10-B
S11-A
S11-B
level
VR18-A 50kE
VR18-B 50kE
M-B-OUTL
M-B-OUTR
CN20-10
CN20-11
CN20-12
TAPE-INL
TAPE-INR
tape in
VR16-A 50kK
VR16-B 50kK
TAPE-L
TAPE-R
TA-IN-L
TA-IN-R
mas
S8-A
S8-B
CN7-1 PFL
CN7-2 SOLOCONT
CN7-3 AFL-L
CN7-4 SOLGNDSE
CN7-5 AFL-R
CN7-6
CN7-7
CN7-8
CN7-9
CN7-10
CN7-11
CN7-12
CN6A-1
CN6A-2 MAS-L
CN6A-3 MASGNDSE
CN6A-4 MAS-R
CN6A-5
CN6A-6 GRP-1
CN6A-7
CN6A-8 GRP-2
CN6A-9 GRPGNDSE
CN6A-10 GRP-3
CN6A-11
CN6A-12 GRP-4
CN6B-1
CN6B-2 MAS-L
CN6B-3 MASGNDSE
CN6B-4 MAS-R
CN6B-5
CN6B-6 GRP-1
CN6B-7
CN6B-8 GRP-2
CN6B-9 GRPGNDSE
CN6B-10 GRP-3
CN6B-11
CN6B-12 GRP-4
CN21-1
CN21-2 +U
CN21-3
CN21-4 +U
CN21-5
CN21-6 -U
CN21-7
CN21-8 -U
MON-1 +
MONGNDSE
mute
mon 1 send
S21-A
S21-B
VR30-A 10kA
MON1-OUT
LED-M1SM
MON-2 +
MONGNDSE
mute
mon 2 send
S23-A
S23-B
VR31-A 10kA
MON2-OUT
LED-M2SM
solo
S22-Do
S22-Co
S22-Bo
S22-Ao
S24-Do
S24-Co
S24-Bo
S24-Ao
PFL-
AFL-L
AFL-R
SOLOCON2
SOLGNDSE
FX1-OUT
FX2-OUT
AUX2-OUT
AUX1-OUT
CN26-1
CN26-2
CN26-3
CN26-4
CN26-5
CN26-6
CN26-7
CN26-8
CN26-9
CN26-10
GRP-1 +
GRPGNDSE
GRP-2 +
GRPGNDSE
GRP-3 +
GRPGNDSE
GRP-4 +
GRPGNDSE
DIS-G1
DIS-G2
DIS-G3
DIS-G4
G1-INS-S CN17-2
G1-INS-R CN17-1
G2-INS-S CN17-6
G2-INS-R CN17-5
G3-INS-S CN18-2
G3-INS-R CN18-1
G4-INS-S CN18-6
G4-INS-R CN18-5
group 1
group 2
group 3
group 4
pan
g1-l
gg-r
g2-l
g2-r
g3-l
g3-r
g4-l
g4-r
VR23-B 10kAC
VR23-A 10kAC
VR25-B 10kAC
VR25-A 10kAC
VR27-B 10kAC
VR27-A 10kAC
VR29-B 10kAC
VR29-A 10kAC
VR22-A 10kA
VR24-A 10kA
VR26-A 10kA
VR28-A 10kA
SOLGNDSE
n.c
220
solo
LED-GRP1
LED-GRP2
LED-GRP3
LED-GRP4
SOLOCON1
PFL
AFL-L
AFL-R
MAS-L
MAS-R
GRP1-OUT
GRP2-OUT
GRP3-OUT
GRP4-OUT
CN17-3
CN17-4
CN17-7
CN17-8
CN18-3
CN18-4
CN18-7
CN18-8
MASGNDSE
75
ALTERATIONS RESERVED!

				Last modified: 31.05.2001 09:05:26	82230b	masters/groups monitors/tape in
				Last plotted: 18.06.2001 12:37:33		
				2000 DATE NAME		
				DSG'D 12.09 Stangl	CIRCUIT DIAGRAM	4/5
				CHK'D		
				APP'D		
C	37/01	31.05	Stangl	MIDAS	357 421	3-
B	06/01	23.02	Stangl		MIDAS Venice	
A	Nullserie		Stangl			
ISSUE	REVISION	DATE	NAME			

CN25-7
CN25-6
L/mono
fx 1 return
R
CN25-5
CN25-4
CN25-8
CN25-3
CN25-2
SPEAK-R
CN25-1
SPEAK-L
H6A 10k
H5B 10k
H6B 10k
H5A 10k
H6D 10k
H5C 10k
H6C 10k
H5D 10k
I48A TL072
I48B TL072
I49A TL072
C174 33p
C175 33p
C176 33p
C177 33p
R353 3k3
R352 3k3
R354 47k
R355 47k
C178 100µ/16V
C179 100µ/16V
C180 100µ/16V
R407 47k
R406 47k
mute
fx 1 return
VR40-A 50kA
VR40-B 50kA
635-A
635-B
635-C
635-D
C181 100µ/16V
C182 100µ/16V
R359 51k
R358 51k
R356 15k
R357 15k
D97 red
LED-FX1
-U5
NJM2068
I50A
I50B
R361 3k3
R360 3k3
C183 100p
C184 100p
R363 1k5
R362 1k5
C185 100µ/16V
C186 100µ/16V
R259 SOLGNDSE
n.c.
solo
D98 yel
+U5
LED-FX1
SOLOCON2
PFL
AFL-L
AFL-R
mas
MAS-L
MAS-R
1-2
GRP-1
GRP-2
3-4
GRP-3
GRP-4
mon1
MON-1
mon2
MON-2
R364 10k
R365 27k
R366 27k
R367 6k8
R368 6k8
R369 15k
R370 15k
R371 15k
R372 15k
R373 6k8
R374 6k8
S36-Do
S36-Co
S36-Ao
S36-Bo
S38-Ao
S38-Bo
S39-Ao
S39-Bo
S37-Ao
S37-Bo
S36
S38
S39
S37
VR41-A 50kE
VR42-A 50kE

CN25-12
CN25-11
L/mono
fx 2 return
R
CN25-10
CN25-9
H8A 10k
H7B 10k
H8B 10k
H7A 10k
H8D 10k
H7C 10k
H8C 10k
H7D 10k
I51A TL072
I51B TL072
I49B TL072
C187 33p
C188 33p
C189 33p
C190 33p
R383 3k3
R384 3k3
R385 47k
R386 47k
C193 100µ/16V
C191 100µ/16V
C192 100µ/16V
R409 47k
R408 47k
mute
fx 2 return
50kA VR43-A
50kA VR43-B
S1-A
S1-B
S1-C
S1-D
C195 100µ/16V
C194 100µ/16V
R389 51k
R390 51k
R387 15k
R388 15k
D99 red
LED-FX2
-U5
NJM2068
I52A
I52B
R391 3k3
R392 3k3
C197 100p
C196 100p
R393 1k5
R394 1k5
C199 100µ/16V
C198 100µ/16V
R260 SOLGNDSE
220
solo
D100 yel
+U5
LED-FX2
SOLOCON2
PFL
AFL-L
AFL-R
mas
MAS-L
MAS-R
1-2
GRP-1
GRP-2
3-4
GRP-3
GRP-4
mon1
MON-1
mon2
MON-2
R395 10k
R396 27k
R397 27k
R398 6k8
R399 6k8
R400 15k
R401 15k
R402 15k
R403 15k
R404 6k8
R405 6k8
S41-Do
S41-Co
S41-Ao
S41-Bo
S43-Ao
S43-Bo
S44-Ao
S44-Bo
S42-Ao
S42-Bo
S41
S43
S44
S42
VR44-A 50kE
VR45-A 50kE

FX-1
FXGNDSE
I46A NJM2068
R248 220
C131 15p
R249 22k
C132 100µ/16V
R250 6k8
fx 1 send
VR34-A 50kE
C133 15p
R251 22k
C134 100µ/16V
I47A NJM2068
FX1-OUT
R252 47k

FX-2
FXGNDSE
I46B NJM2068
C135 15p
R253 22k
C136 100µ/16V
R254 6k8
fx 2 send
VR35-A 50kE
C137 15p
R255 22k
C138 100µ/16V
I47B NJM2068
FX2-OUT
R256 47k

R319 75 MASGNDSE
R320 75 GRPGNDSE
n.c.
R323 75 MONGNDSE
R324 75 MONGNDSE

I52-P I51-P I50-P I49-P I48-P I47-P I46-P
+U5 -U5
I45-P I44-P I43-P I42-P I41-P
C206 C208 C210 100n
C207 C209 C211 100n
+U6 -U6

GEHL VR45-B GEHL2 VR45-C GEHL VR44-B GEHL2 VR44-C GEHL VR43-C GEHL2 VR43-D GEHL VR42-B GEHL2 VR42-C GEHL VR41-B GEHL2 VR41-C GEHL VR40-C GEHL2 VR40-D GEHL VR35-B GEHL2 VR35-C GEHL VR34-B GEHL2 VR34-C
CN13
GEHL VR39-B GEHL2 VR39-C GEHL VR38-C GEHL2 VR38-D GEHL VR37-B GEHL2 VR37-C GEHL VR36-C GEHL2 VR36-D GEHL VR33-B GEHL2 VR33-C GEHL VR32-B GEHL2 VR32-C
CN11 CN10 CN9 CN7 CN8

AUX1-PRE
AUXGNDSE
AUX1POST
AUXGNDSE
R224 n.c.
I41A NJM2068
I41B NJM2068
C119 15p
R225 22k
C120 15p
R226 22k
C121 100µ/16V
C122 100µ/16V
R227 47k
R228 47k
aux 1 pre/post
post
pre
D77 green
D78 yel
625-A
625-B
R229 15k
R230 15k
-U6
mute
626-A
626-B
D79 red
LED-A1SM
R231 6k8
send
VR32-A 50kE
C123 15p
R232 22k
I42A TL072
C124 100µ/16V
solo
D80 yel
+U6
LED-A1SM
SOLOCON3
PFL-
AFL-L
AFL-R
AUX1-OUT
R233 10k
R234 27k
R235 27k
S27-Do
S27-Co
S27-Ao
S27-Bo
S27
R261 SOLGNDSE
220

AUX2-PRE
AUXGNDSE
AUX2POST
AUXGNDSE
R236 220
I43A NJM2068
I43B NJM2068
C125 15p
R237 22k
C126 15p
R238 22k
C127 100µ/16V
C128 100µ/16V
R239 47k
R240 47k
aux 2 pre/post
post
pre
D81 green
D82 yel
628-A
628-B
R241 15k
R242 15k
-U6
mute
629-A
629-B
D83 red
LED-A2SM
R243 6k8
send
VR33-A 50kE
C129 15p
R244 22k
I42B TL072
C130 100µ/16V
solo
D84 yel
+U6
LED-A2SM
SOLOCON3
PFL-
AFL-L
AFL-R
AUX2-OUT
R245 10k
R246 27k
R247 27k
S30-Do
S30-Co
S30-Ao
S30-Bo
S30

MONGNDSE
MON-2 CN19B-1
MON-1 CN19B-2
CN19B-3
T-AUX-1 CN19B-4
T-AUX-2 CN19B-5
CN19B-6

CN24-12 TAPE-INR
CN24-11 TAPE-INL
CN24-2
CN24-1
L/mono
aux 1 return
R
CN24-4
CN24-3
CN24-5
H2A 10k
H1B 10k
H2B 10k
H1A 10k
H2D 10k
H1C 10k
H2C 10k
H1D 10k
I44A TL072
I44B TL072
C160 33p
C161 33p
C162 33p
C163 33p
R329 15k
R328 15k
C164 100µ/16V
C165 100µ/16V
C166 100µ/16V
R331 2k
R330 2k
aux 1 return
mon1
VR37-A 50kE
MON-1
VR36-B 50kRD
VR36-A 50kRD
MAS-L
MAS-R
R190 MASGNDSE
n.c.

CN24-7
CN24-6
L/mono
aux 2 return
R
CN24-9
CN24-8
CN24-10
H4A 10k
H3B 10k
H4B 10k
H3A 10k
H4D 10k
H3C 10k
H4C 10k
H3D 10k
I45A TL072
I45B TL072
C167 33p
C168 33p
C169 33p
C170 33p
R341 15k
R340 15k
C171 100µ/16V
C172 100µ/16V
C173 100µ/16V
R343 2k
R342 2k
aux 2 return
mon2
VR39-A 50kE
MON-2
VR38-B 50kRD
VR38-A 50kRD
MAS-L
MAS-R
R318 MASGNDSE
n.c.

ALTERATIONS RESERVED!

ISSUE	REVISION	DATE	NAME
C	37/01	31.05	Stangl
B	06/01	23.02	Stangl
A	Nullserie		Stangl

Last modified: 31.05.2001 09:05:26
Last plotted: 18.06.2001 12:37:16

	DATE	NAME
2000		
DSG'D	12.09	Stangl
CHK'D		
APP'D		

MIDAS

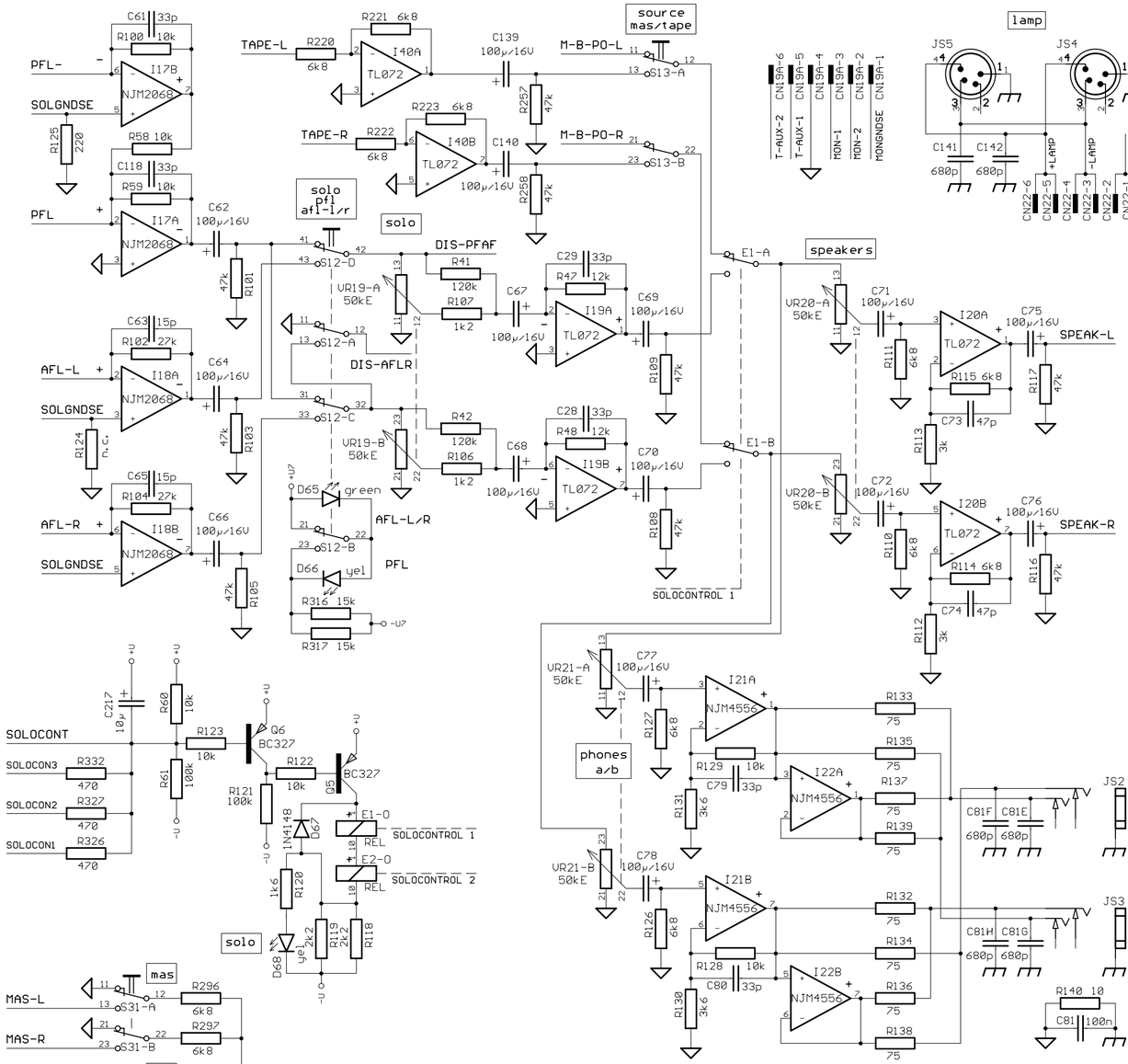
82230b fx / aux

CIRCUIT DIAGRAM 3/5

357 420

MIDAS Venice

3-



ALTERATIONS RESERVED!

ISSUE	REVISION	DATE	NAME
C	37/01	31.05	Stangl
B	06/01	23.02	Stangl
A	Nullserie		Stangl

Last modified: 31.05.2001 09:05:26
Last plotted: 18.06.2001 12:36:58

2000	DATE	NAME
DSG'D	12.09	Stangl
CHK'D		
APP'D		

MIDAS

82230b — level meter solo/pfl/afl tackback/phones

CIRCUIT DIAGRAM — 2/5

357 419 — 3-

MIDAS Venice

F1	100V-120V	220V-240V
VENICE 160	T3.15A/L/250V	T1.6A/L/250V
VENICE 240	T3.15A/L/250V	T1.6A/L/250V
VENICE 320	T3.15A/L/250V	T1.6A/L/250V

85277/1 VENICE 240/320
85278/1 VENICE 160

85277/2 VENICE 240/320
85278/2 VENICE 160

JS1-L JS1-E JS1-N F1 POWER ON SWITCH S1-A S1-B C1 0µ1/275V CNT2 CNT1

86269/2 CN_240 sw2 CN_230 sw1 CN_L CN_120 CN_100 black5 black4 black3 black2 white1 240V 230V 120V 100V

DCN 358691

CNAC1 F2 T3.15A/250V CNAC2 F3 T3.15A/250V CNGND C2 C3 100n R1 10k D5 1N4148 D6 1N4148 R2 10k TC G1 GBU 8K +VSS/INT -VSS/INT C4* C5* C8 C9 C10 C11 C12 C13 2200µ/35V 100n

D7 1N4007 BD246 Q1 R3 47 +16V +16V/INT I1 LM317M IN ADJ OUT R7 220 D9 1N4007 C25 47µ/50V C32 100n R5 5k6 R6 5k1 C14 22µ/25V C33 100n R8 5k6 R9 5k1 C15 22µ/25V I2 LM337 GND R10 220 D10 1N4007 C26 47µ/50V R4 47 -16V -16V/INT Q2 BD245 D8 1N4007

+16V/EXT E1-B +16V/INT +16V/MIX CN21-2 CN21-4 CN2A-9 CN2A-10
-16V/EXT E2-A -16V/INT -16V/MIX CN2A-7 CN2A-8 CN21-6 CN21-8
+48V/EXT E1-A +48V/INT +48V/MIX CN22-2 CN22-1 CN2A-4 CN2A-3
+12V/EXT E2-B +12V/INT +12V/MIX CN22-3 CN22-4
REL/EXT E3B REL/INT REL/MIX CN2A-2
+16V/EXT E3A +VSS/INT +VSS/MIX CN2A-6

R40 1k R41 1k R42 1k R43 1k R44 1k E1A 356656 D23 1N4007 E2A 356656 +16V/EXT -16V/EXT
R45 2k R46 2k D21 1N4148 E3-0 356745 +16V/EXT -16V/EXT

REL/EXT CN1* +16V/EXT CN2* -16V/EXT CN3* +12V/EXT CN4* +48V/EXT CN5* GNDA CN6* external power supply

CNAC3 F4 T1A/250V CNAC4 D11 D12 D13 D14 1N4007 C16 100n C17 C30 C31* 470µ/63V D15 1N4007 +48V +48V/INT I3 LM317M D1A 30V R11 18k R39 18k R12 68k C18 22µ/50V R13 220 D16 1N4007 C19 100µ/50V CN2A-5

CNAC5 F5 T2.5A/250V CNAC6 D17 D18 D19 D20 1N5401 C20 100n C21 C27* 2200µ/35V D25 1N4007 +12V +12V/INT I4 LM317M R36 3k9 R37 3k6 R35 220 D26 1N4007 C28 22µ/25V C29 100µ/50V CN22-5 CN22-6

-VSS/INT Q8 BC618 R30 24k R27 62k R31 20k R33 10 REL/INT R28 130k Q7 BC560 Q6 BC560 D22 1N4148 R26 100k R34 47k R32 220k R29 20k C23 10µ/35V/EKI Q9 BC337 R24 68 R25 220k R23 91k R19 22k R20 9k1 R18 22k R21 68k Q5 BC560 Q4 BC560 TC R22 9k1 R17 100k C22 0µ22

CN7 +48V/MIX 1k R15 200 R14 Q3 MPSA92 33k R16 CN2A-1 86269 to +48V led

CN21-7 CN21-5 CN21-1 CN21-3 3R9 R38 C24 100n CNPE3 CNPE2 CNPE4 CNPE5

85277 VENICE 240/320
85278 VENICE 160

*	85277	85278
CN1-CN6	343516	n.c.
D21	1N4148	n.c.
D23	1N4007	n.c.
E1 / E2	356656	n.c.
E3	356745	n.c.
R40-R44	1kOhm	n.c.
R45-R46	2kOhm	n.c.
C27	2200µ	n.c.
C31	470µ	n.c.

*1 only at 85278

ISSUE	REVISION	DATE	NAME
C	24/03	27.03	Stangl
B	09/01	14.02	Stangl
A	Nullserie	31.01	Stangl

Last modified: 31.05.2001 07:39:10
Last plotted: 18.06.2001 13:51:09

2000	DATE	NAME
DSG'D	11.00	Schuhb.
CHK'D		
APP'D		

MIDAS

power supply / mains

85277C 85278

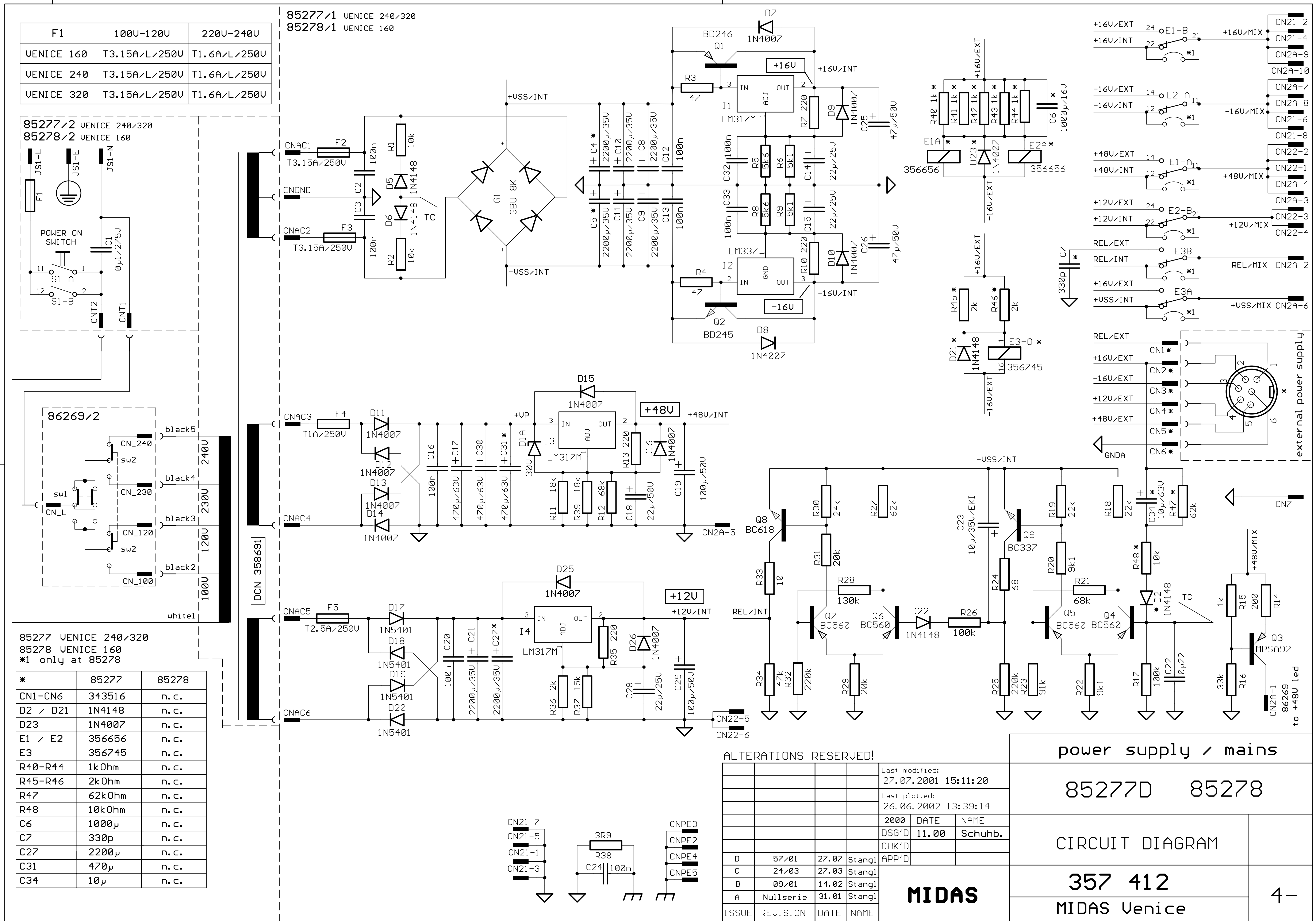
BLOCK DIAGRAM

357 412

MIDAS Venice

4-

F1	100V-120V	220V-240V
VENICE 160	T3.15A/L/250V	T1.6A/L/250V
VENICE 240	T3.15A/L/250V	T1.6A/L/250V
VENICE 320	T3.15A/L/250V	T1.6A/L/250V



85277 VENICE 240/320
85278 VENICE 160
*1 only at 85278

*	85277	85278
CN1-CN6	343516	n.c.
D2 / D21	1N4148	n.c.
D23	1N4007	n.c.
E1 / E2	356656	n.c.
E3	356745	n.c.
R40-R44	1kOhm	n.c.
R45-R46	2kOhm	n.c.
R47	62kOhm	n.c.
R48	10kOhm	n.c.
C6	1000µ	n.c.
C7	330p	n.c.
C27	2200µ	n.c.
C31	470µ	n.c.
C34	10µ	n.c.

ALTERATIONS RESERVED!

ISSUE	REVISION	DATE	NAME
D	57/01	27.07	Stangl
C	24/03	27.03	Stangl
B	09/01	14.02	Stangl
A	Nullserie	31.01	Stangl

Last modified: 27.07.2001 15:11:20
Last plotted: 26.06.2002 13:39:14

2000	DATE	NAME
DSG'D	11.00	Schuhb.
CHK'D		
APP'D		

MIDAS

power supply / mains

85277D 85278

CIRCUIT DIAGRAM

357 412

MIDAS Venice

4-

F1	100V-120V	220V-240V
VENICE 160	T3.15A/L/250V	T1.6A/L/250V
VENICE 240	T3.15A/L/250V	T1.6A/L/250V
VENICE 320	T3.15A/L/250V	T1.6A/L/250V

85277/1 VENICE 240/320
85278/1 VENICE 160

85277/2 VENICE 240/320
85278/2 VENICE 160

JS1-L JS1-E JS1-N F1 POWER ON SWITCH S1-A S1-B C1 0µ1/275V CNT2 CNT1

86269/2

sw1 CN_L CN_240 sw2 CN_230 CN_120 sw2 CN_100 black5 black4 black3 black2 white1 240V 230V 120V 100V

DCN 358691

CNAC1 F2 T3.15A/250V CNGND CNAC2 F3 T3.15A/250V C2 C3 100n R1 10k R2 10k D5 1N4148 D6 1N4148 TC G1 GBU 8K +VSS/INT -VSS/INT

C4* C5* C10 C11 C8 C9 C12 C13 2200µ/35V 100n

BD246 Q1 D7 1N4007 +16V +16V/INT R3 47 I1 LM317M IN ADJ OUT R7 220 D9 1N4007 C25 47µ/50V C32 C33 100n R5 5k6 R6 5k1 R8 5k6 R9 5k1 C14 C15 22µ/25V LM337 I2 GND R10 220 D10 1N4007 C26 47µ/50V R4 47 -16V -16V/INT Q2 BD245 D8 1N4007

CNAC3 F4 T1A/250V D11 1N4007 D12 1N4007 D13 1N4007 D14 1N4007 C16 C17 C30 C31* 100n 470µ/63V D15 1N4007 +UP +48V +48V/INT D1A 30V I3 LM317M R13 220 D16 1N4007 C19 100µ/50V R11 18k R39 18k R12 68k C18 22µ/50V CN2A-5

CNAC5 F5 T2.5A/250V D17 1N5401 D18 1N5401 D19 1N5401 D20 1N5401 C20 C21 C27* 100n 2200µ/35V D25 1N4007 +12V +12V/INT I4 LM317M R35 220 D26 1N4007 C29 100µ/50V R36 2k R37 15k C28 22µ/25V CN22-5 CN22-6

CNAC4 CNAC6

-16V/EXT +16V/EXT +16V/INT -16V/INT +12V/EXT +48V/EXT +48V/INT +12V/INT G3* G2* G4* G5* GBU8K *1 +16V/MIX -16V/MIX +48V/MIX +12V/MIX REL/MIX +VSS/MIX CN21-2 CN21-4 CN2A-9 CN2A-10 CN2A-7 CN2A-8 CN21-6 CN21-8 CN22-2 CN22-1 CN2A-4 CN2A-3 CN22-3 CN22-4 CN2A-2 CN2A-6

REL/EXT REL/INT +16V/EXT +VSS/INT C7* 330p D1* D3* D4* D21* 1N4007 *1

external power supply CN1* CN2* CN3* CN4* CN5* CN6* GNDA

-VSS/INT Q8 BC618 R30 24k R27 62k R31 20k R33 10 REL/INT R28 130k Q7 BC560 Q6 BC560 D22 1N4148 R26 100k R34 47k R32 220k R29 20k C23 10µ/35V/EKI Q9 BC337 R19 22k R18 22k R24 68 R20 9k1 R21 68k Q5 BC560 Q4 BC560 R25 220k R23 91k R22 9k1 R17 100k C22 0µ22 TC

CN7 +48V/MIX 1k R15 200 R14 Q3 MPSA92 33k R16 CN2A-1 86269 to +48V led

85277 VENICE 240/320
85278 VENICE 160
*1 only at 85278

*	85277	85278
CN1-CN6	343516	n.c.
C4, C5	2200µ	n.c.
G2 - G5	GBU8K	n.c.
D1, D3	1N4007	n.c.
D4, D21	1N4007	n.c.
C7	330p	n.c.
C27	2200µ	n.c.
C31	470µ	n.c.

CN21-7 CN21-5 CN21-1 CN21-3 3R9 R38 C24 100n CNPE3 CNPE2 CNPE4 CNPE5

ALTERATIONS RESERVED!

ISSUE	REVISION	DATE	NAME
E	92/01	28.11	HSa
D	57/01	27.07	Stangl
C	24/03	27.03	Stangl
B	09/01	14.02	Stangl
A	Nullserie	31.01	Stangl

Last modified: 29.11.2001 11:02:10
Last plotted: 26.06.2002 13:40:52

2000	DATE	NAME
DSG'D	11.00	Schuhb.
CHK'D		
APP'D		

MIDAS

power supply / mains

85277E 85278

CIRCUIT DIAGRAM

357 412

MIDAS Venice

4-

Mono-Channel-PCB 81346

CN 1	circuit diagram number
CN1A	357 413 / 2-
CN1B	357 414 / 2-
CN1C	357 415 / 2-
CN1D	357 416 / 2-

Pin	Assignment
1	LED 12A
2	GND
3	Mic In +
4	Mic In -
5	GND package
6	Ins Send
7	Ins Ret
8	Dir-Out
9	LED 12B
10	Dir-Out
11	GND package
12	Ins Ret
13	Ins Send
14	GND
15	Mic In -
16	Mic In +
17	GND
18	LED 12C

Connection to Connector-PCB

CN 6	circuit diagram number
	375 414 / 2-

Pin	Assignment
1	GND
2	Master L
3	Master GND SE
4	Master R
5	GND
6	Grp 1
7	GND
8	Grp 2
9	Grp GND SE
10	Grp 3
11	GND
12	Grp 4

Connection to Master-PCB

CN 7	circuit diagram number
	357 414 / 2-

Pin	Assignment
1	PFL
2	Solo Cont
3	AFL-L
4	Solo GND SE
5	AFL-R
6	GND
7	GND
8	GND
9	U -
10	U -
11	U +
12	U +

Connection to Master-PCB

CN 8	circuit diagram number
	357 414 / 2-

Pin	Assignment
1	FX 1
2	FX GND SE
3	FX 2
4	Mon 1
5	Mon GND SE
6	Mon 2
7	Aux 1 Pre
8	Aux 1 Post
9	Aux GND SE
10	Aux 2 Pre
11	Aux 2 Post
12	not connected

Connection to Master-PCB

Stereo- / Master - PCB 82230

CN 1	circuit diagram number
CN1E	357 417 / 2-
CN1F	357 418 / 2-

Pin	Assignment
1	L -
2	L +
3	R -
4	R +
5	Mic +
6	Mic -
7	GND package
8	LED A
9	LED B
10	LED C
11	GND package
12	Mic +
13	Mic -
14	R -
15	R+
16	L-
17	L+
18	GND package

Connection to Connector-PCB

CN 6	circuit diagram number
CN1A	357 421 / 3-
CN1B	357 421 / 3-

Pin	Assignment
1	GND
2	Master L
3	Master GND SE
4	Master R
5	GND
6	Grp 1
7	GND
8	Grp 2
9	Grp GND SE
10	Grp 3
11	GND
12	Grp 4

Connection to Mono-PCB

CN 7	circuit diagram number
	357 421 / 3-

Pin	Assignment
1	PFL
2	Solo Cont
3	AFL-L
4	Solo GND SE
5	AFL-R
6	GND
7	GND
8	GND
9	U -
10	U -
11	U +
12	U +

Connection to Mono-PCB

CN 8	circuit diagram number
	357 418 / 2-

Pin	Assignment
1	FX 1
2	FX GND SE
3	FX 2
4	Mon 1
5	Mon GND SE
6	Mon 2
7	Aux 1 Pre
8	Aux 1 Post
9	Aux GND SE
10	Aux 2 Pre
11	Aux 2 Post
12	not connected

Connection to Mono-PCB

CN17	circuit diagram number
	357 421 / 3-

Pin	Assignment
1	G1 Ins - Ret
2	G1 Ins - Send
3	Grp1 Out
4	GND
5	G2 Ins Ret
6	G2 Ins Send
7	Grp2 Out
8	GND

Connection to Connector-PCB

CN18	circuit diagram number
	357 421 / 3-

Pin	Assignment
1	G3 Ins Ret
2	G3 Ins Send
3	Grp3 Out
4	GND
5	G4 Ins Ret
6	G4 Ins Send
7	Grp4 Out
8	GND

Connection to Connector-PCB

Connector-PCB 86269

CN 2	circuit diagram number
	357 423 / 2-

Pin	Assignment
1	48V + LED
2	Relays
3	48V +
4	48V +
5	GND
6	VSS +
7	16V -
8	16V -
9	16V +
10	16V +

Connection to Power-Supply-PCB

CN 9	circuit diagram number
CN 9	357 424 / 2-
CN9A	357 424 / 2-

Pin	Assignment
1	U1 +
2	GND
3	U1 -
4	48V +

Connection to Extension-PCB

CN1A-D	Connection to Mono-PCB
CN1E-F	Connection to Stereo-PCB
CN17	Connection to Master-PCB
CN18	Connection to Master-PCB
CN20	Connection to Master-PCB
CN24	Connection to Master-PCB
CN25	Connection to Master-PCB

Extension-PCB Nr. 86270

	circuit diagram number
CN1A-D	357 426 / 2-
	Connection to Mono-PCB
CN9	357 426 / 2-
	Connection to Connector-PCB

Stereo- / Master - PCB 82230

CN19	circuit diagram number
CN19A	357 419 / 3-
CN19B	357 420 / 3-

Pin	Assignment
1	Mon GND SE
2	Mon 2
3	Mon 1
4	GND
5	T-Aux 1
6	T-Aux 2

Connection among Master-PCB

CN20	circuit diagram number
	357 421 / 3-

Pin	Assignment
1	Send Master Insert L Ret
2	Send Master Insert L Send
3	Send Master L Out
4	GND A12
5	GND A12
6	Send Master R Out
7	Send Master Insert R Send
8	Send Master Insert R Ret
9	Mute
10	MB L Out
11	GND A12
12	MB Rout

Connection to Connector-PCB

CN21	circuit diagram number
	357 421 / 3-

Pin	Assignment
1	GND
2	U +
3	GND
4	U +
5	GND
6	U -
7	GND
8	U -

Connection to Power Supply-PCB

CN22	circuit diagram number
	357 419 / 3-

Pin	Assignment
1	48V +
2	48V +
3	Lamp -
4	Lamp -
5	Lamp +
6	Lamp+

Connection to Power Supply-PCB

CN24	circuit diagram number
	357 420 / 3-

Pin	Assignment
1	Aux1 Ret L +
2	Aux1 Ret L -
3	Aux1 Ret R +
4	Aux1 Ret R -
5	GND
6	Aux2 Ret L +
7	Aux2 Ret L -
8	Aux2 Ret R +
9	Aux2 Ret R -
10	GND
11	Tape In L
12	Tape In R

Connection to Connector-PCB

CN25	circuit diagram number
	357 420 / 3-

Pin	Assignment
1	Speak L
2	Speak R
3	GND
4	FX1 Ret R +
5	FX1 Ret R -
6	FX1 Ret L +
7	FX1 Ret L -
8	GND
9	FX2 Ret R +
10	FX2 Ret R -
11	FX2 Ret L +
12	FX2 Ret L -

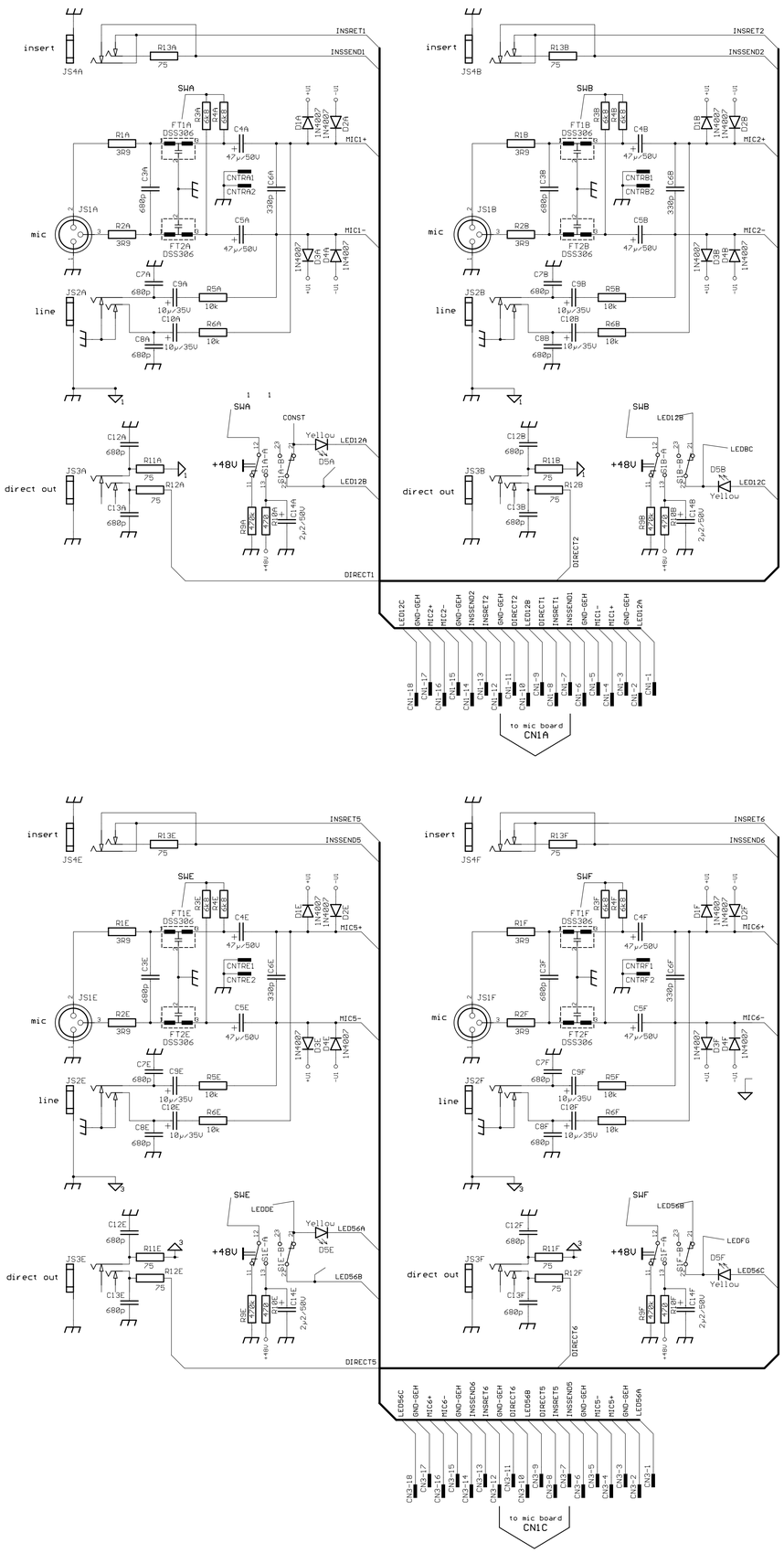
Connection to Connector-PCB

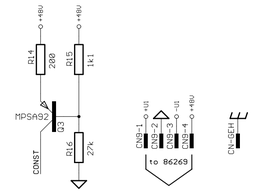
Stereo- / Master - PCB 82230

CN26	circuit diagram number
	357 421 / 3-
Pin	**Assignment**
1	FX1 Out
2	FX2 Out
3	FX GND
4	AUX2 Out
5	GND A13
6	AUX1 Out
7	GND A13
8	Mon 1 Out
9	GND A13
10	Mon 2 Out
Connection to Connector-PCB	

Power Supply PCB 85277/1

CN 2	circuit diagram number	CN21	circuit diagram number	CN22	circuit diagram number
	357 412 / 3-		357 412 / 3-		357 412 / 3-
Pin	**Assignment**	**Pin**	**Assignment**	**Pin**	**Assignment**
1	48V + LED	1	GND	1	48V +
2	Relays	2	U +	2	48V +
3	48V +	3	GND	3	Lamp -
4	48V +	4	U +	4	Lamp -
5	GND	5	GND	5	Lamp +
6	VSS +	6	U -	6	Lamp+
7	16V -	7	GND		
8	16V -	8	U -		
9	16V +				
10	16V +				
Connection to Connector-PCB		Connection to Master-PCB		Connection to Master-PCB	





ALTERATIONS RESERVED!

ISSUE	REVISION	DATE	NAME
D	28/01	03.04	HSa
C	20/01	12.03	Stangl
B	00/01	16.02	Stangl
A	Nullserie	27.01	HSa

Last modified: 30.05.2001 15:03:46
Last plotted: 18.06.2001 13:54:10

	DATE	NAME
DSG'D	11.00	Schuhb.
CHK'D		
APP'D		

MIDAS

86270D extension connector pcb

CIRCUIT DIAGRAM 1/1

357 426

MIDAS Venice 2-

ALTERATIONS RESERVED!

ISSUE	REVISION	DATE	NAME
D	27/01	03.04	HSa
C	19/01	12.03	HSa
B	07/01	23.02	Stangl
A	Nullserie	27.01	HSa

Last modified: 31.05.2001 07:33:04
Last plotted: 18.06.2001 13:52:23

	DATE	NAME
DSG'D	11.00	Schuhb.
CHK'D		
APP'D		

MIDAS

86269D connector pcb

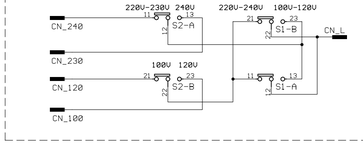
CIRCUIT DIAGRAM 1/2

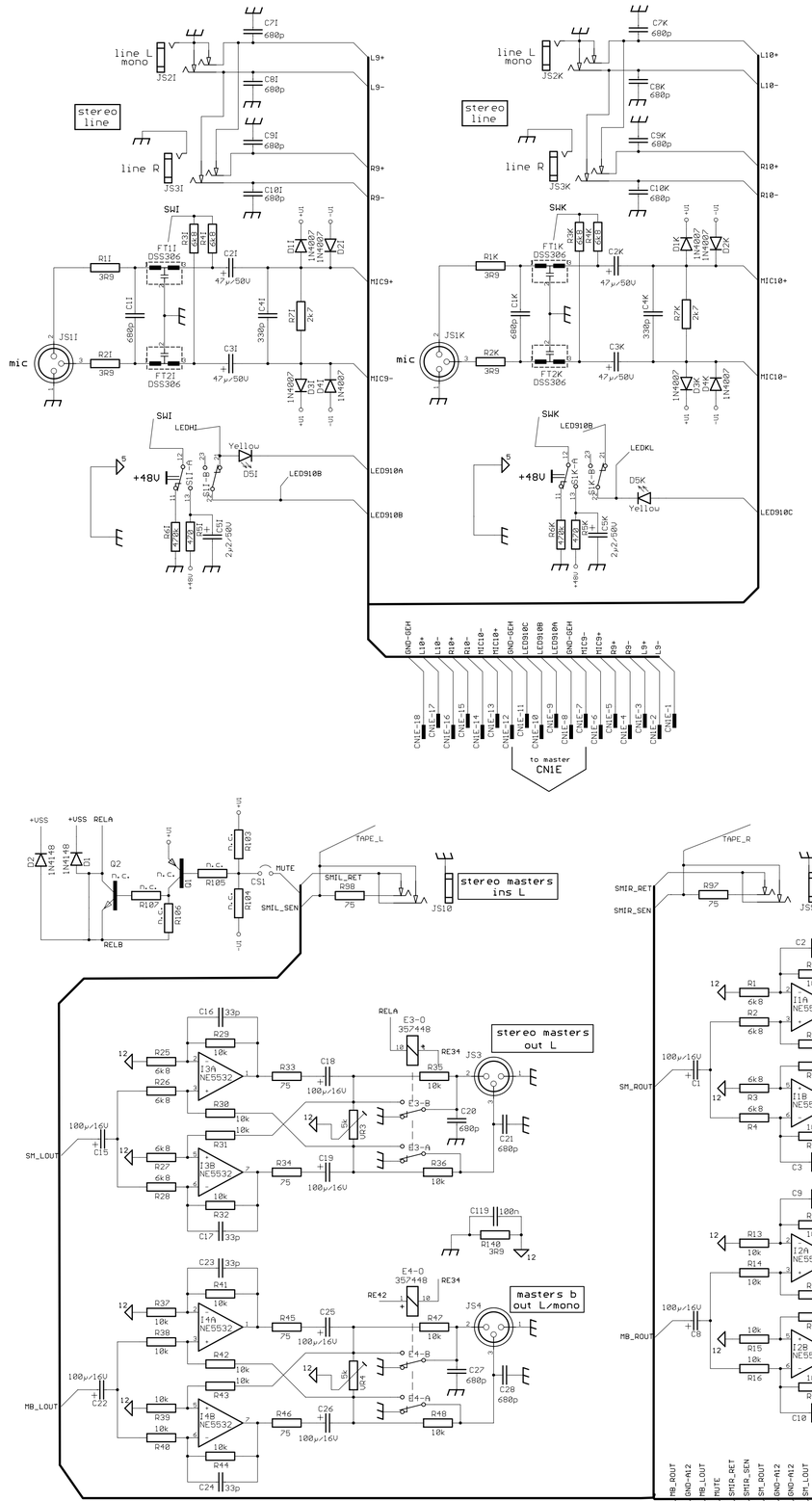
357 423

MIDAS Venice

2-

mains voltage selection 85269/2





ALTERATIONS RESERVED!

				Last modified:	86269D connector pcb
				31.05.2001 07:33:04	
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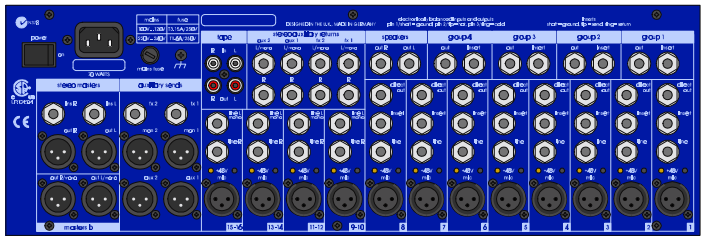
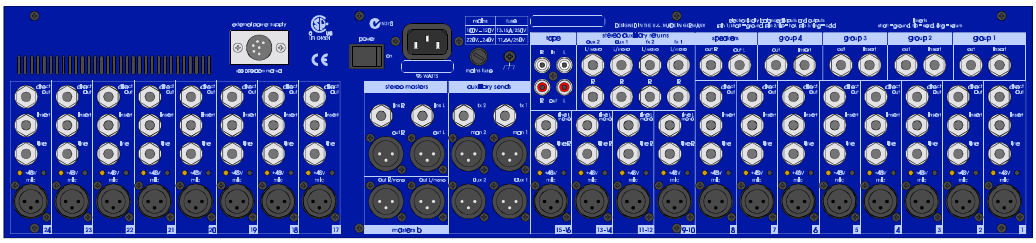
				18.06.2001 13:52:45	
				DATE / NAME	
				DSG'D 11.00 Schuhb.	CIRCUIT DIAGRAM 2/2
				CHK'D	
D	27/01	03.04	HSa	APP'D	
C	19/01	12.03	HSa		
B	07/01	23.02	Stangl	MIDAS	357 424
A	Nullserie	27.01	HSa		MIDAS Venice 2-
ISSUE	REVISION	DATE	NAME		

VENICE CONNECTORS

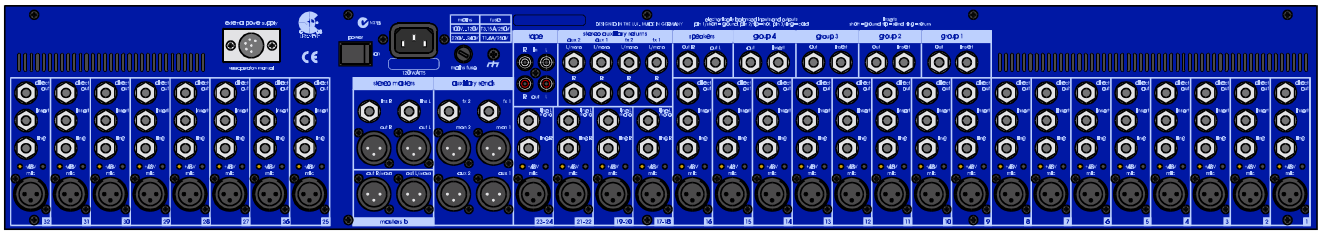
VENICE 160

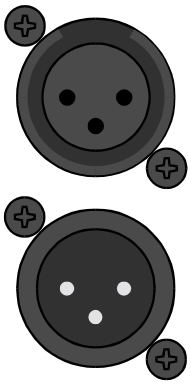


VENICE 240

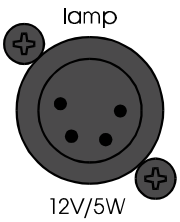


VENICE 320



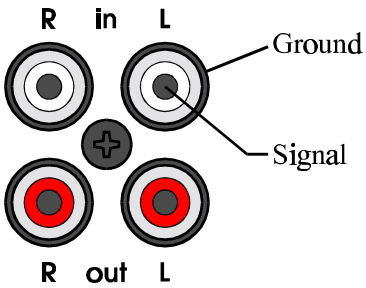


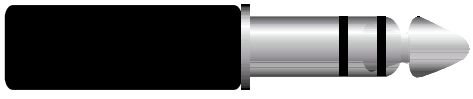
Input / Output XLR
Pin 1: Ground
Pin 2: Hot
Pin 3: Cold



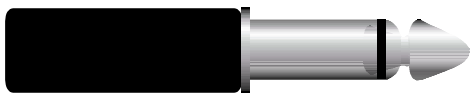
Lamp out
Pin 1: Chassis
Pin 2: n.c.
Pin 3: Ground
Pin 4: +12V

Tape IN / OUT



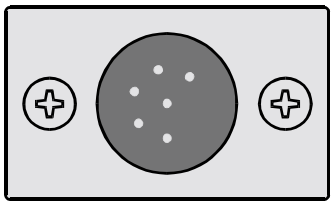


Insert
Tip: Send
Ring: Return
Sleeve: Ground

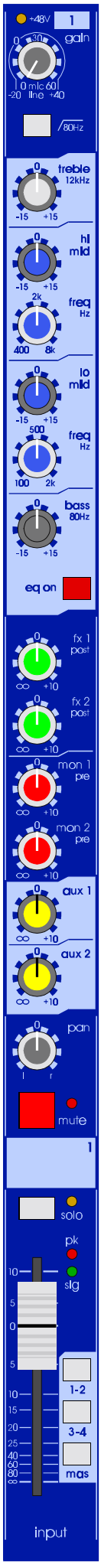


Input / Output
Tip: Hot
Ring: Cold
Sleeve: Ground

External Power Supply



CONTENTS



MIDAS VENICE MONO INPUT CHANNEL

The Venice Mono Channel is equipped with an XLR input, which can be used for Mic or Line level signals up to +22dBu. An additional ¼ inch jack socket, provides an input for line level signals, which require protection against accidental 48 volt connection. The Line input gives 20dB of permanent attenuation to the input signal which will allow the connection of extreme high line-level signals up to +42dBu.

The HI PASS switch connects the the 80Hz hi-pass-filter in the input channel signal path before the insert point and equaliser.

The HI MID control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent.

The LO MID control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent.

The BASS control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent. The bass equaliser acts on 80Hz with a traditional MIDAS shelving response.

The +48V led monitors if phantom power is assigned. The +48V switch for each channel is placed on the rear-panel of the console. It connects +48V phantom power to the XLR input connector. This is suitable for a condenser microphone or DI box.

The GAIN control gives continuous adjustment of the input amplifier gain from 0dB to +60dB for the Mic input and - 20dB to + 40dB for the Line input.

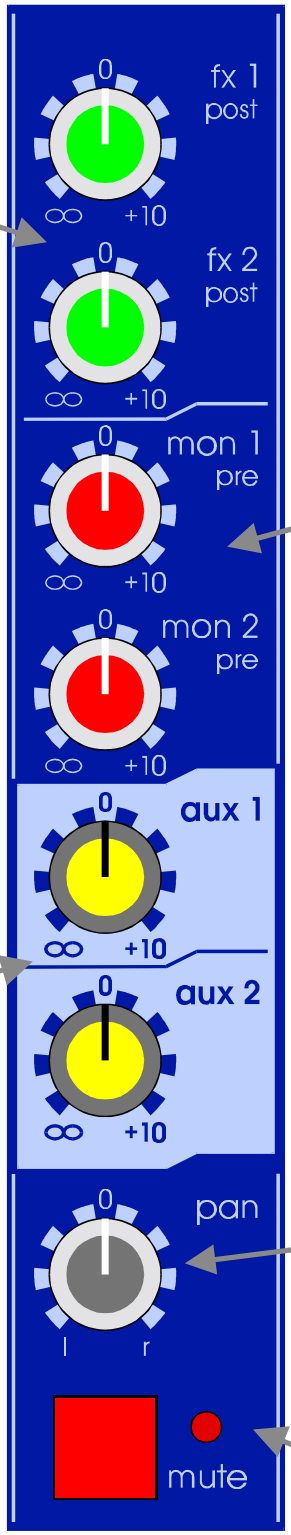
The TREBLE control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent. The treble equaliser acts on 12kHz with a traditional MIDAS shelving response.

The HI MID FREQ control gives continuous adjustment of the frequency range that the hi mid equaliser acts on from 400Hz to 8kHz with a 1 octave bandwith.

The LO MID FREQ control gives continuous adjustment of the frequency range that the lo mid equaliser acts on from 100Hz to 2kHz with a 1 octave bandwith.

The EQ switch connects the equaliser in the input channel signal path.

The FX controls give continuous adjustment of the post fader level sent from the input channel to the FX busses. The level adjustment is from + 10dB to off with 0dB at the centre position of the rotary control.



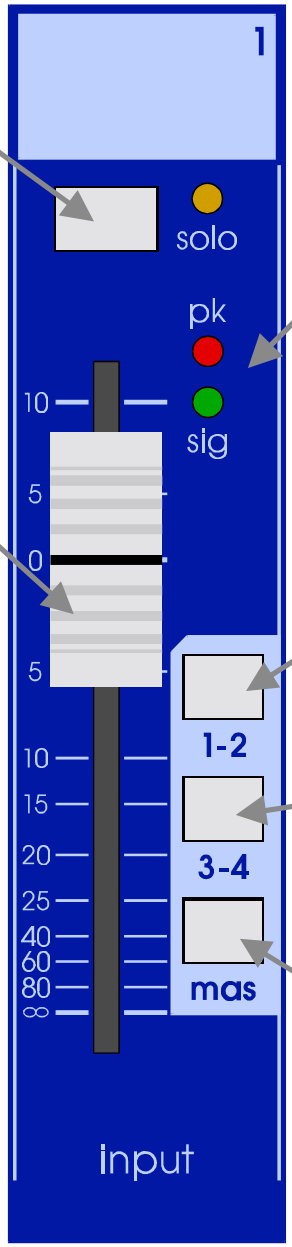
The MON controls give continuous adjustment of the pre- fader and pre- equaliser signal sent from the input channel to the MON busses. The level adjustment is from + 10dB to off with 0dB at the centre position of the rotary control.

The AUX controls give continuous adjustment of the level sent from the input channel to the AUX busses. The level adjustment is from + 10dB to off with 0dB at the centre position of the rotary control.
AUX1 and 2 can be configured globally for pre- or post-fader operation by pressing the PRE/POST switch on the appropriate AUX-rail in the master section.

The PAN controls the channel placement within the master stereo- or group mix and has a constant power law. i.e. - 3dB at the centre position and 0dB or off at either extreme setting.

The MUTE switch mutes the input channel at all points after the insert send, including all auxiliary sends.

The SOLO switch sends the input channel signal to the PFL / mono-and AFL / stereo busses. If the switch is engaged, the mon1/2 meters are automatically used for solo metering.



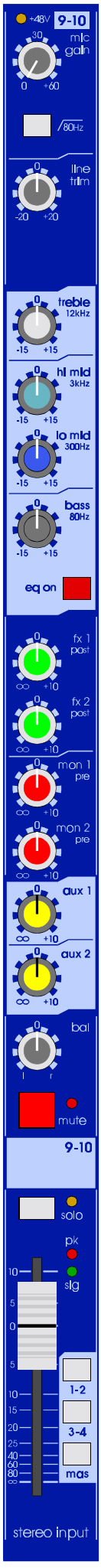
The SIGNAL (-16dBu) / PEAK (+16dBu) display monitors the peak signal level of the pre fader input channel.

The FADER gives continuous adjustment of the input channel level from + 10dB to off.

The 1-2 switch connects the post fader channel signal to the group 1-2 busses via the pan control.

The 3-4 switch connects the post fader channel signal to the group 3-4 busses via the pan control.

The MAS switch connects the post fader channel signal to the master stereo bus via the pan control.



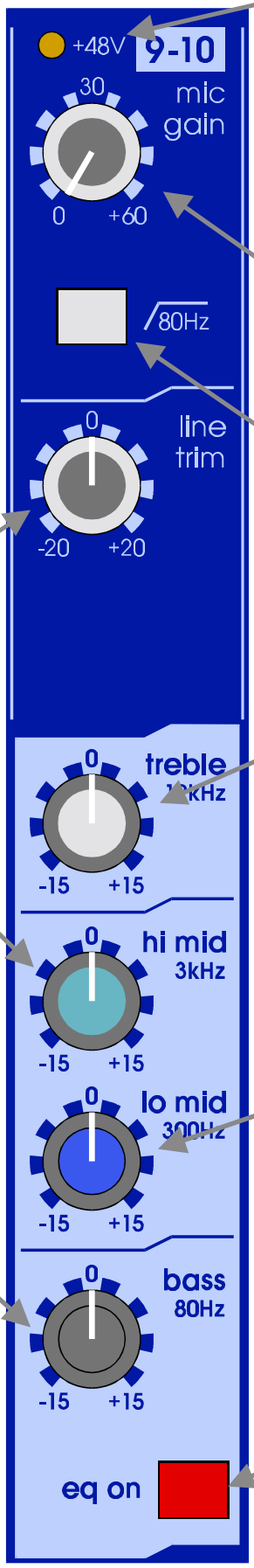
MIDAS VENICE STEREO INPUT CHANNEL

The Venice stereo input channel is equipped with an XLR input which can be used for Mic or Line level signals up to +22dBu. Two additional ¼ inch jack sockets, provide an input for Stereo- or Mono Line level signals up to +28dBu. The stereo channel features the same hi-value microphone pre-amp as the mono channel. Because the stereo input channel uses indepedet circuits for Mic and Stereo Line , it is possible to have all inputs connected at the same time, without interference.

The LINE TRIM control gives continuous adjustment of the stereo input amplifier gain from - 20dB to + 20dB for the Stereo Line input.

The HI MID control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent. The HI MID equaliser acts on 3kHz with a 1.4 octaves bandwith.

The BASS control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent. The bass equaliser acts on 80Hz with a traditional MIDAS shelving response.



The +48V switch for each channel is positioned at the rear panel of the console. It connects +48 V phantom power to the XLR input connector. This is suitable for a condenser microphone or DI box.

The MIC GAIN control gives continuous adjustment of the input amplifier gain from 0dB to + 60dB for the Mic input.

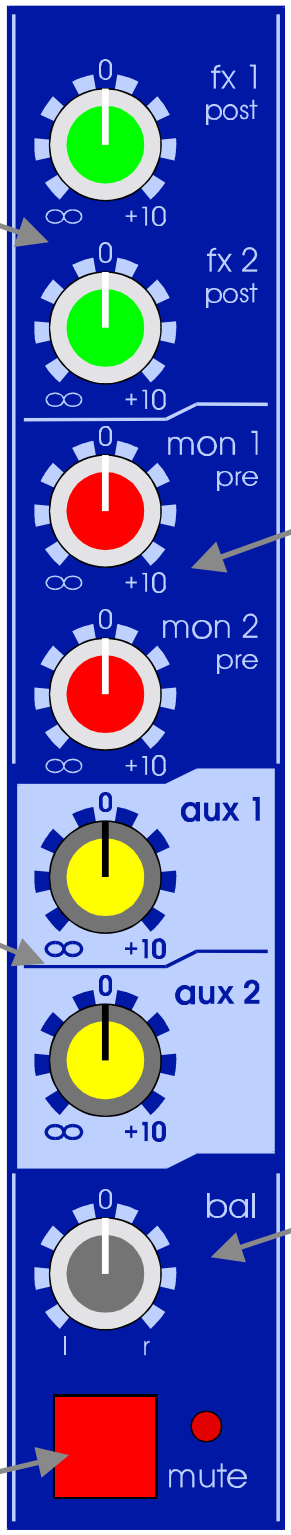
The HI PASS switch connects the the 80Hz hi-pass-filter in the input channel signal path right after the mic input amplifier.

The TREBLE control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent. The treble equaliser acts on 12kHz with a traditional MIDAS shelving response.

The LO MID control gives continuous adjustment of boost and cut from + 15dB to - 15dB with a 0dB centre detent. The LO MID equaliser acts on 300Hz with a 1.4 octaves bandwith.

The EQ switch connects the equaliser in the input channel signal path.

The FX controls give continuous adjustment of the level sent from the input channel to the FX busses. The level adjustment is from + 10dB to off with 0dB at the centre position of the rotary control. The FX controls are connected post-fader and send the mixed left/right signal to the FX busses.



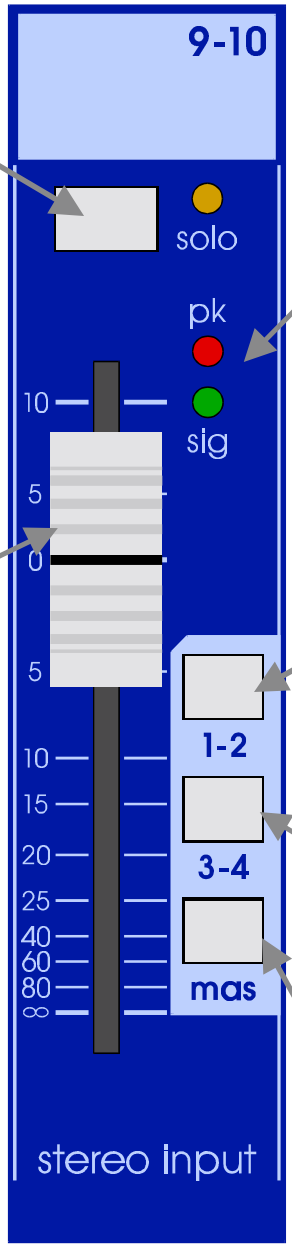
The MON controls give continuous adjustment of the level sent from the input channel to the MON busses. The level adjustment is from + 10dB to off with 0dB at the centre position of the rotary control. The MON controls are connected pre fader, pre equaliser and send the mixed left/right signal to the MON busses.

The AUX controls give continuous adjustment of the mixed left/right signal level sent from the input channel to the AUX busses. The level adjustment is from + 10dB to off with 0dB at the centre position of the rotary control. AUX1 and 2 can be configured globally for pre- or post-fader operation by pressing the PRE/POST switch on the appropriate AUX-rail in the master section.

The BAL (pan) control is used to balance the relative levels of the left and right channel signals that are sent to the masters or groups. The control has a constant power law, i.e. -3dB at the centre position and + 0dB or off at either extreme setting. If the Stereo channel used as mono input, the BALANCE (pan) controls the channel placement within the master stereo- or group mix.

The MUTE switch mutes the input channel at all points, including all auxiliary sends.

The SOLO switch sends the input channel signal to the PFL/ mono and AFL/ stereo busses. If the switch is engaged, the mon1/2 meters are automatically used for solo metering.



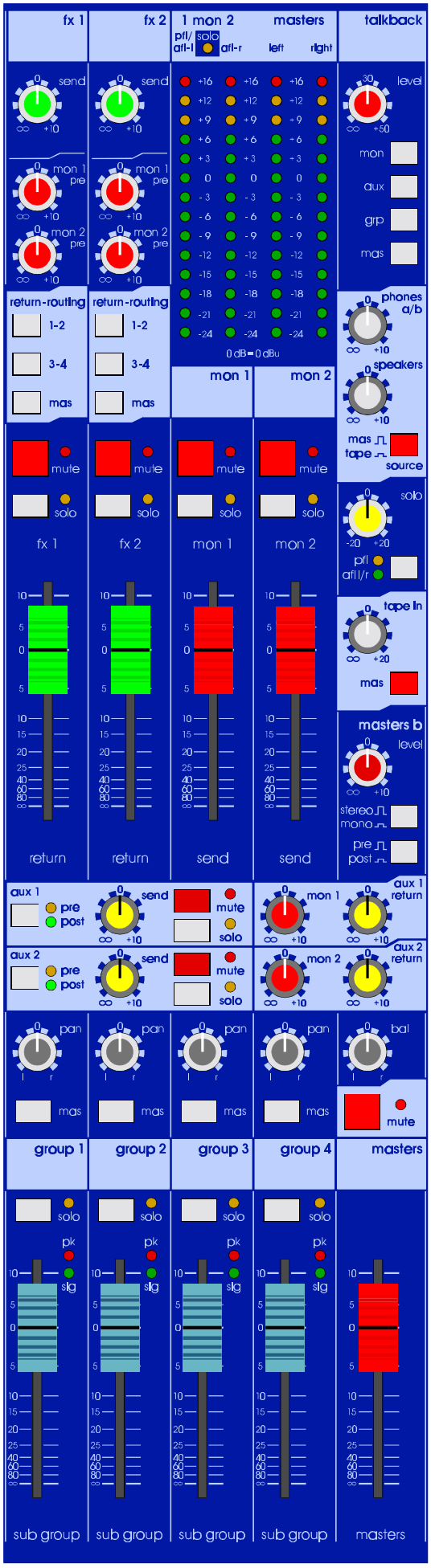
The SIGNAL (-16dBu) / PEAK (+16dBu) display monitors the peak signal level of the pre fader input channel.

The FADER gives continuous adjustment of the input channel level from + 10dB to off.

The 1-2 switch connects the post fader channel signal to the group 1-2 busses via the bal (pan) control.

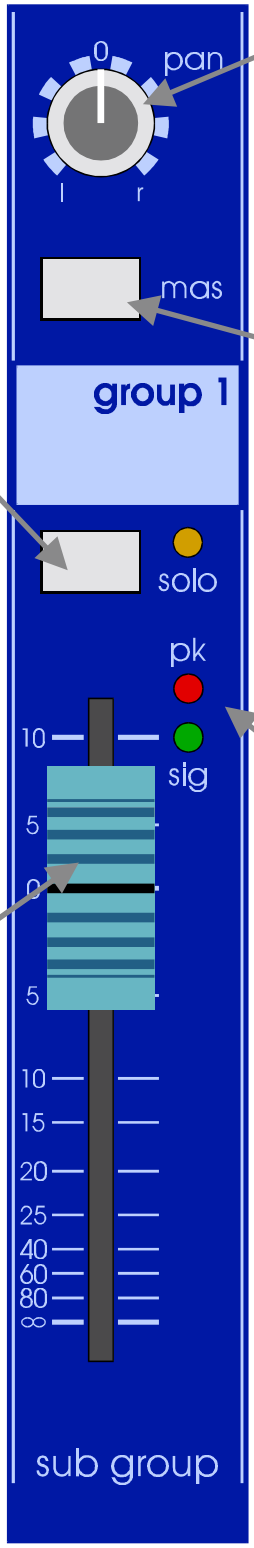
The 3-4 switch connects the post fader channel signal to the group 3-4 busses via the bal (pan) control.

The MAS switch connects the post fader channel signal to the master stereo bus via the bal (pan) control.



MIDAS VENICE MASTER SECTION

The PAN controls the group placement within the master stereo-mix and has a constant power law i. e. -3dB at the centre position and 0dB or off at either extreme setting.



The MAS switch connects the post fader group signals to the stereo master bus via the pan control.

The SOLO switch sends the group signal to the PFL / mono and AFL / stereo busses. If the switch is engaged the mon 1/2 meters are automatically used for solo metering

The SIGNAL (-16dBu) PEAK (+16dBu) display monitors the signal level of the group bus.

The GROUP faders give continuous adjstment of the sub group output levels from +10dB to off.

The FX SEND control gives continuous adjustment of the FX send output level from +10dB to off with 0dB at the centre position of the rotary control.

The MON controls give continuous adjustment of the pre- fader signal sent from the FX-return channel to the MON busses. The level adjustment is from + 10dB to off with 0dB at the centre position of the rotary control.

The 1-2 switch connects the post fader FX- return left signal to the group 1 bus and right signal to the group 2 bus.

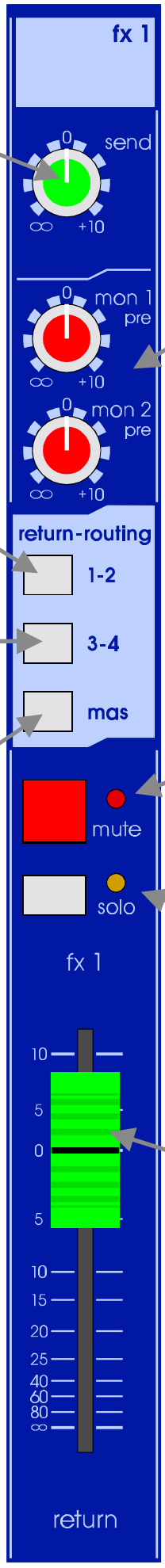
The 3-4 switch connects the post fader FX- return left signal to the group 3 bus and right signal to the group 4 bus.

The MAS switch connects the post fader FX- return stereo signal to the stereo master bus.

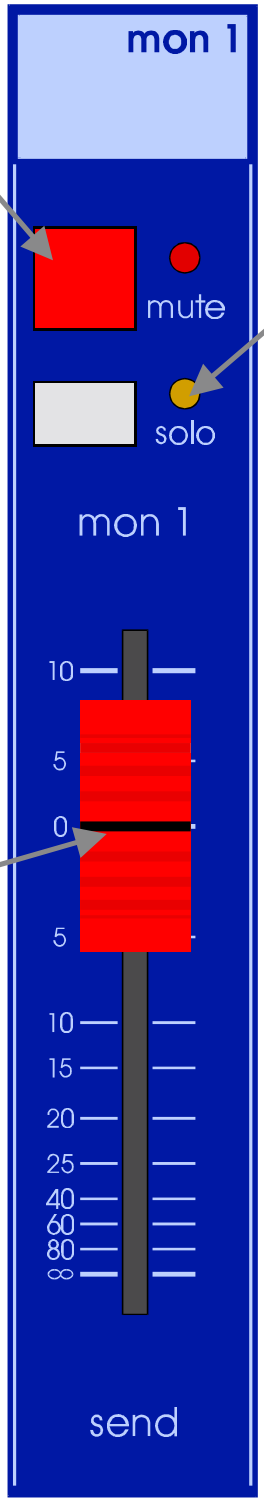
The MUTE switch mutes the FX-return at all pointes.

The SOLO switch sends the FX-return signal to the PFL / mono and AFL / stereo busses. If the switch is engaged the mon 1/2 meters are automatically used for solo metering

The FADER gives continous adjustment of the FX- return level from +10dB to off.



The MUTE switch mutes the monitor send output signal.



The SOLO switch routes the monitor send signal to the PFL/ mono and AFL/ stereo busses. If the switch is engaged, the mon 1/2 meters are automatically used for solo metering.

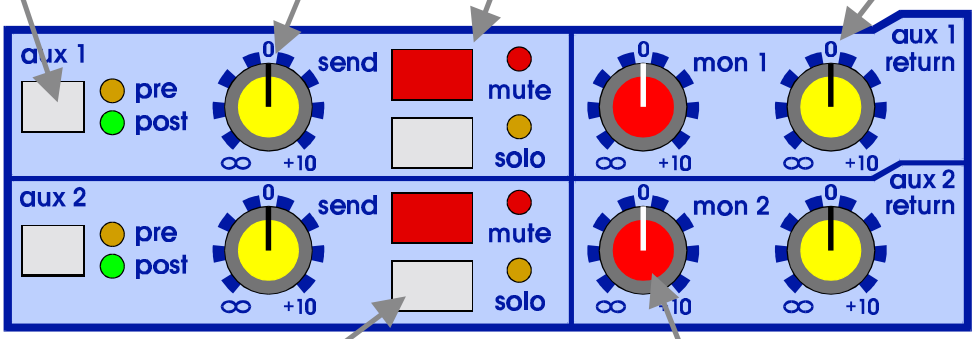
The MON SEND fader gives continuous adjustment of the monitor send signal from +10dB to off.

The global AUX PRE/POST switch configures the aux bus either in pre- fader (mon) or post-fader (fx) operation. The LEDs next to the switch provide indication of status.

The MUTE switch mutes the aux send output signal. It does not affect the aux return.

The AUX SEND control gives continuous adjustment of the aux send output level from +10dB to off with 0dB at the centre position of the rotary control.

The AUX RETURN control gives continuous adjustment of the stereo aux return level from +10dB to off with 0dB at the centre position of the rotary control. The aux return signals are directly routed to the L/R master busses.



The SOLO switch routes the aux send signal to the PFL/ mono and AFL/ stereo busses. Whenever a solo switch is engaged the man 1/2 display is automatically used for solo metering.

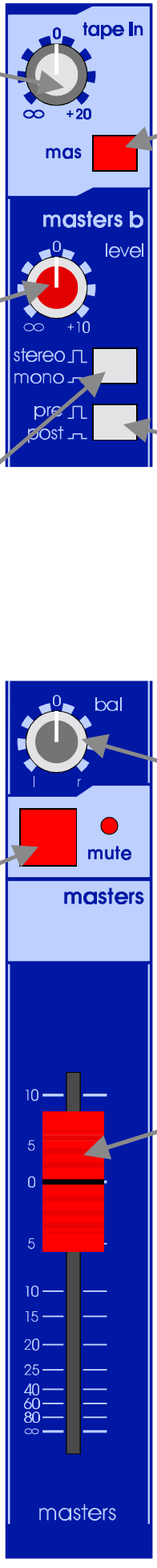
The MON controls give continuous adjustment of the level sent from the aux return to the MON busses. The level adjustment is from +10dB to off with 0dB at the centre position of the rotary control.

The TAPE inputs provide a feed from an unbalanced phono source to the stereo master busses or to phones and speakers outputs. The TAPE IN level control provides nominal adjustment from +20dB to off with 0dB at the centre position of the rotary control.

The MASTERS B rotary control gives continuous adjustment of the masters B (stereo/mono) output level from +10dB to off with 0dB at the centre position of the rotary control.

By the STEREO/MONO switch the Master B outputs can be configured in two modes. In STEREO mode the master b outputs are fed with the stereo left and right mix signals. In Mono mode they are fed with the summed left and right mix signal.

The MUTE switch mutes all signals sent to master and master b outputs. Only the Tape In signal to masters is not affected by the MUTE switch.



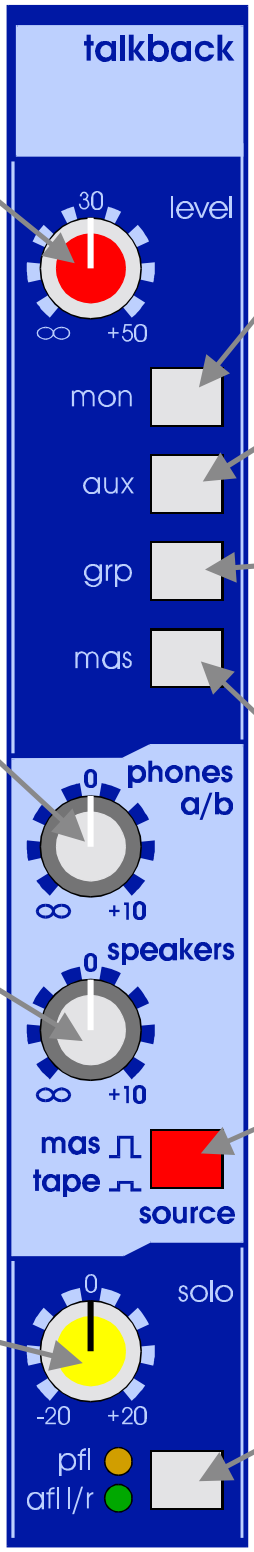
The MAS switch connects the TAPE IN signal to the master L/R busses right after the master mute switch. This allowes i. e. background music during a show, even when the master mute switch is engaged. The MAS switch should be off during recording via TAPE OUT.

The PRE/POST switch changes the signals sent to the masters b outputs from pre master fader to post master fader.

The BAL control is used to balanced the relative levels of the left and right master signals that are sent to the masters outputs. The control has a constant power law, i. e. 0dB at the centre position and +3dB or off at either extreme setting.

The stereo Fader gives continous adjustment of the left and right mix levels from +10dB to off.

The talkback LEVEL control gives continuous adjustment of the talkback signal from +50dB to off. The talkback input accepts a maximum input level of +8dBu.



The non-latching MON switch connects the talkback mic to mon1 and mon2 busses.

The non-latching AUX switch connects the talkback mic to aux1 and aux2 pre-busses.

The non-latching GRP switch connects the talkback mic to all group busses.

The non-latching MAS switch connects the talkback mic to left and right master busses.

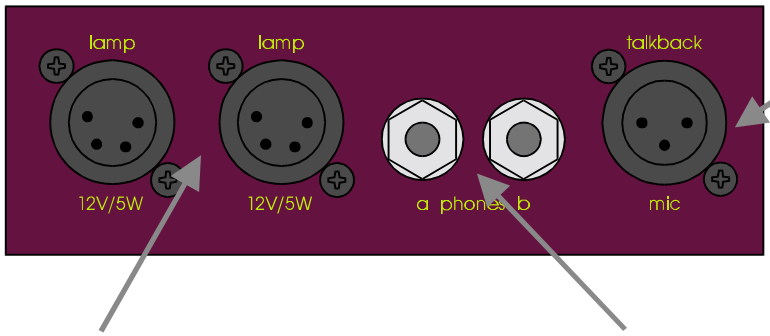
The PHONES level control gives continuous adjustment of the level from +10dB to off at the phones output a&b.

The SPEAKERS level control gives continuous adjustment of the signal at the speakers left and right output from +10dB to off with 0dB at the centre position of the rotary control.

The SOURCE switch controls whether the tape in or master signal is present at the headphones and control room speaker outputs, if no solo button is engaged.

The SOLO control adjusts the incoming solo level before sending it to the headphones and speaker outputs. The control range is -20dB to +20dB with 0dB in centre position.

If a solo button is engaged the PFL / AFL switch controls whether the mono pre fader listen or the stereo after fader listen signal is present at the headphones and control room speaker outputs.



The input for a TALKBACK Microphone is provided via a 3pin-female XLR connector. The +48V Phantom power is permanently connected which is suitable for condenser microphones.

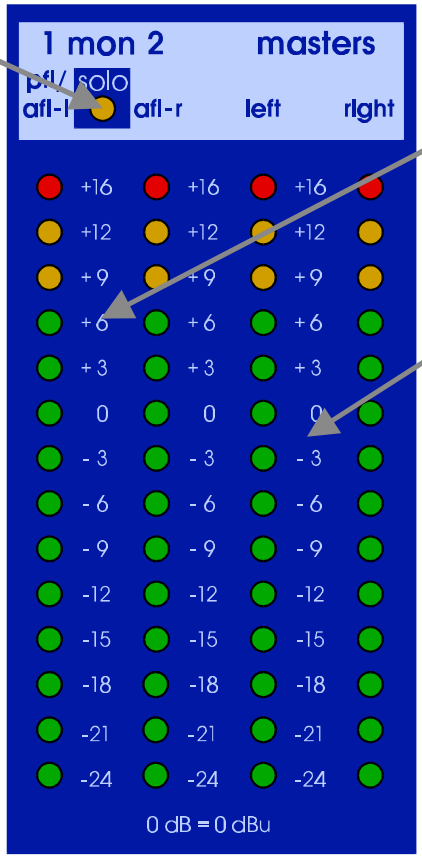
A convenient connection for two 12V desk lamps is provided via the 4pin-female XLR connectors. The power rating 5W is the maximum rating per output and **may not be exceeded.**

The 1/4 inch jack sockets provide stereo outputs for two PHONES. Both outputs are controlled via the phones rotary control.

Whenever a solo button is engaged the SOLO led turns on and the mon 1/2 metering is automatically used as solo meter.

In pfl-mode the mon1 meter displays the signal level in dBu of the selected solo source at the pre- fader position.

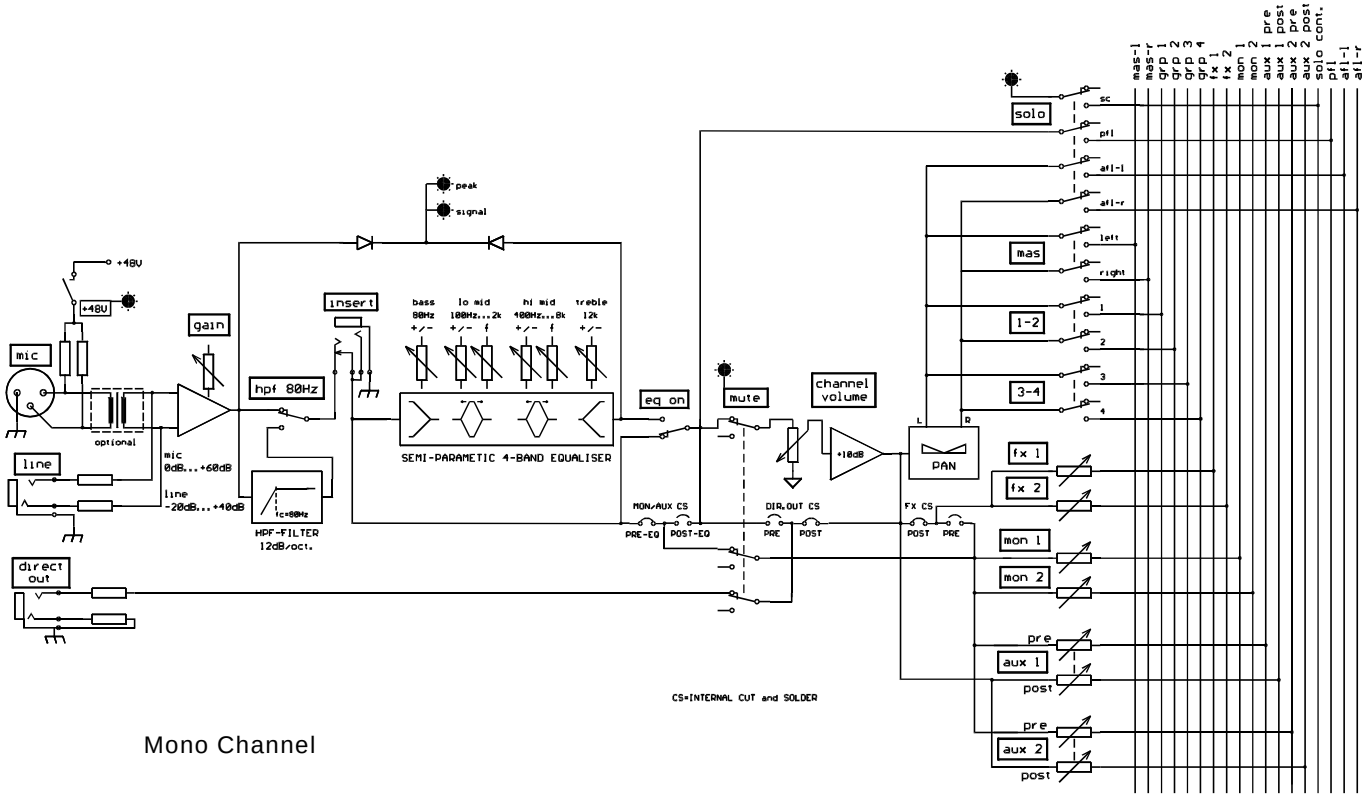
In afl-mode the mon1 (afl-l) and mon2 (afl-r) meters are active and display the signal levels in dBu in the stereo image at the after- fader position.



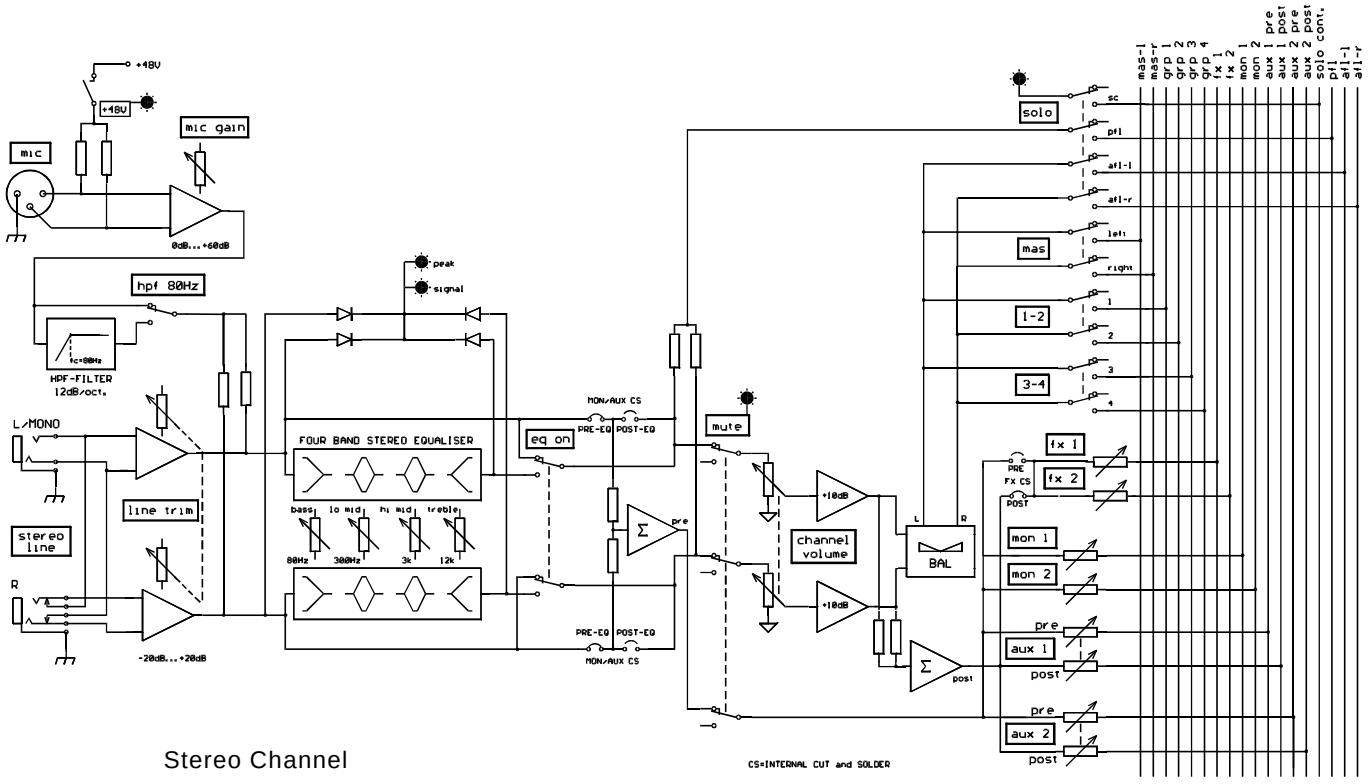
The MON meters display the post fader peak signal levels of the monitor outputs. Whenever a solo button is engaged the meter displays the peak signal levels of the selected pfl or afl solo source.

The MASTER meters monitor the peak signal levels of the master outputs left and right (post fader).

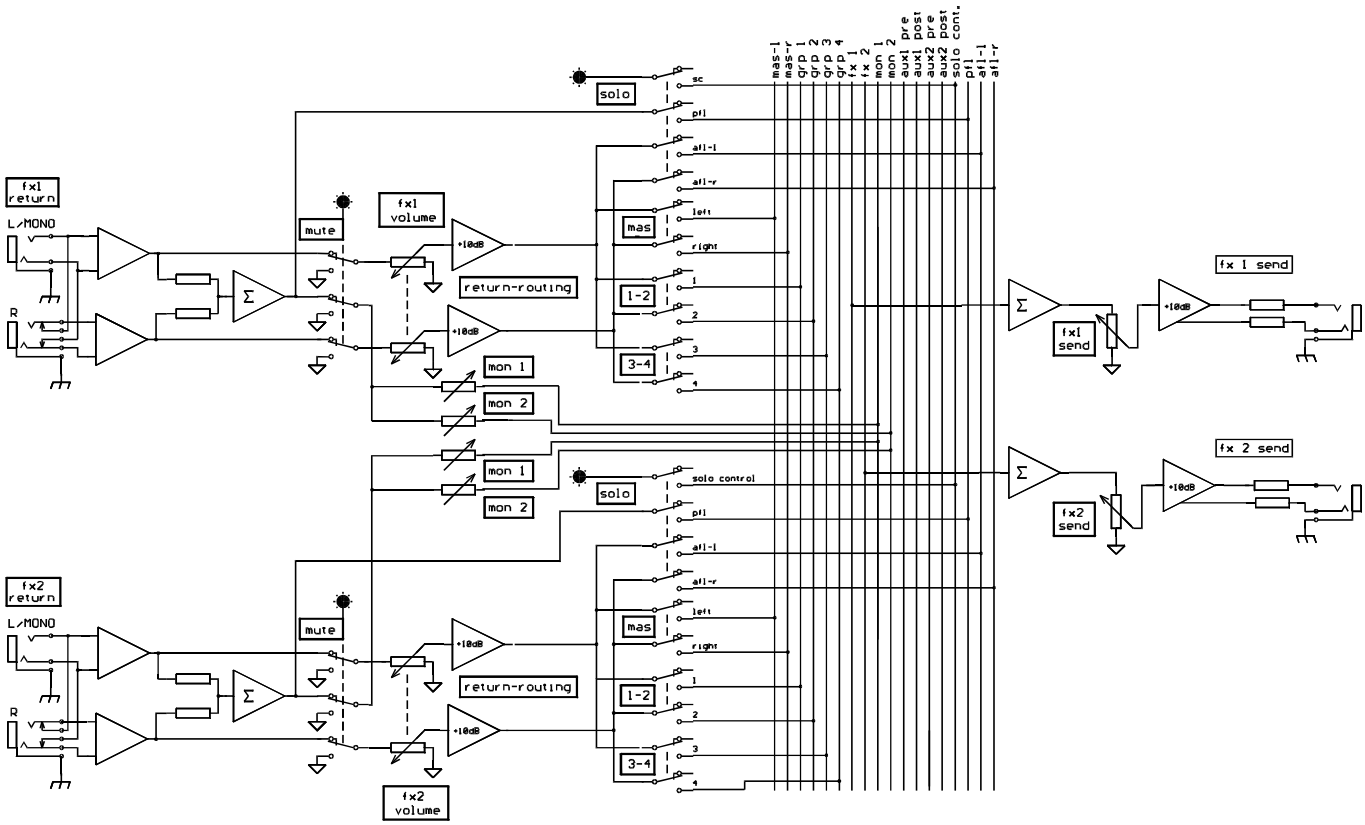
BLOCK DIAGRAMS



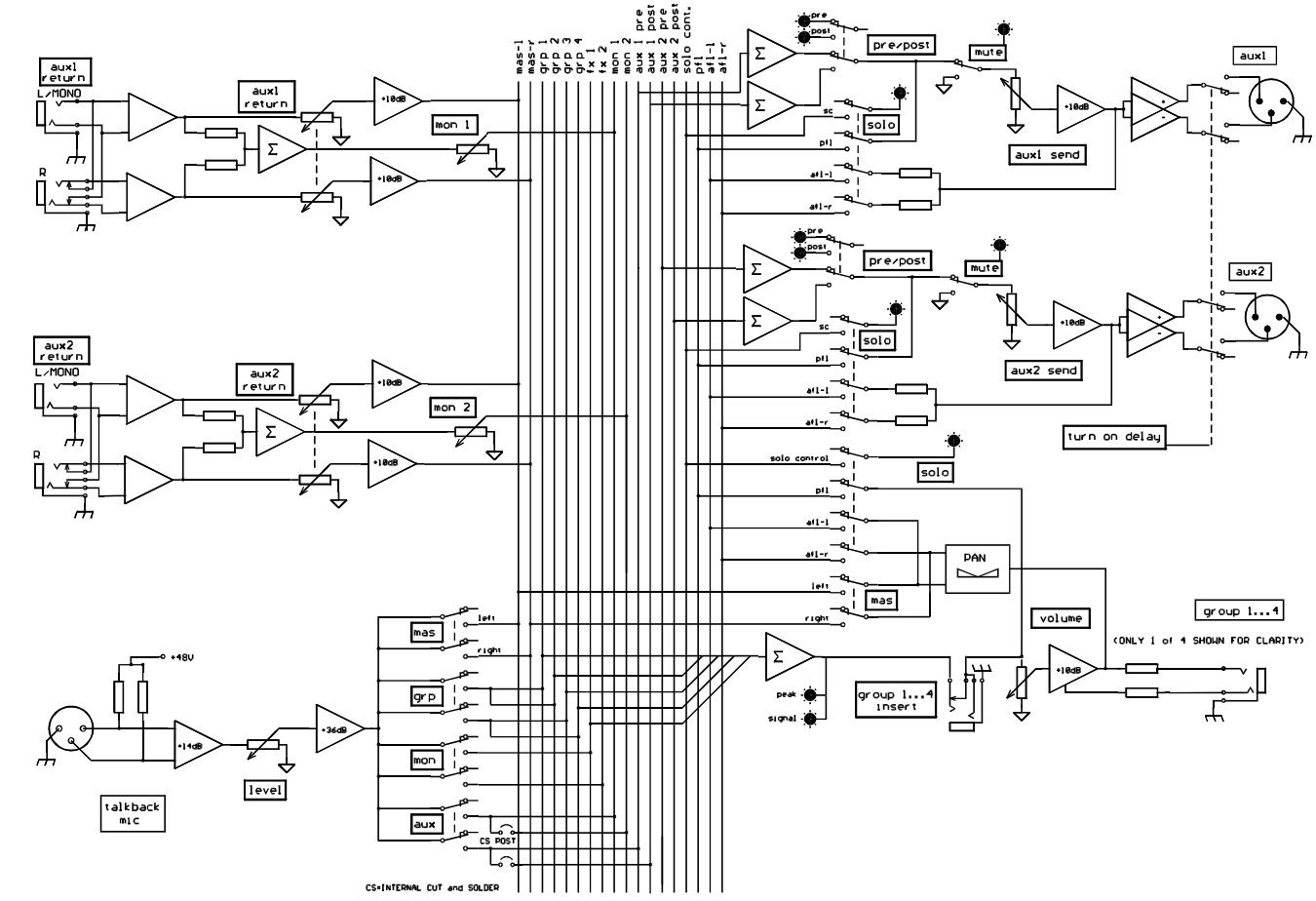
Mono Channel



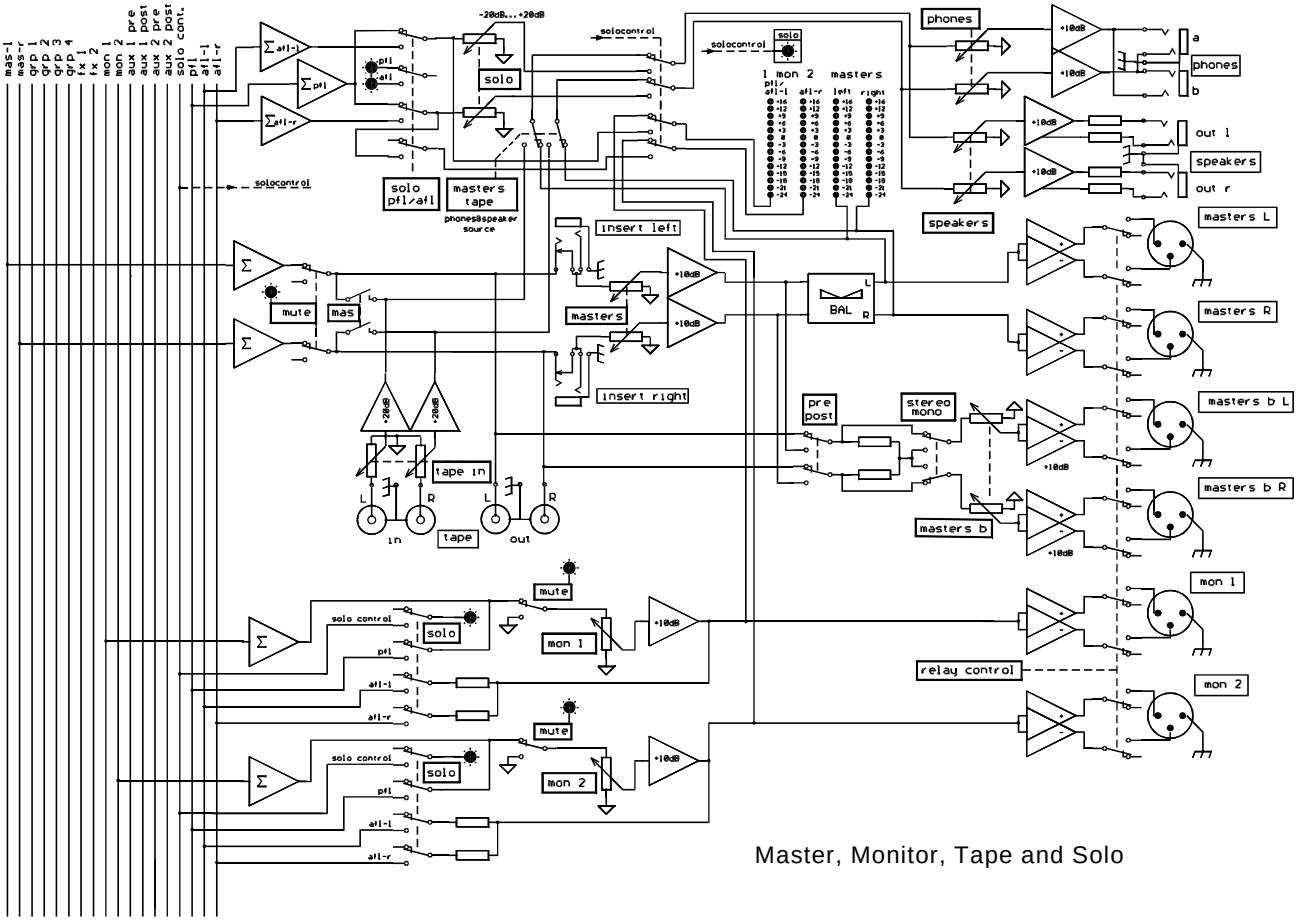
Stereo Channel



FX-send, FX-return



Aux, Groups and Talkback



Master, Monitor, Tape and Solo

MIDAS VENICE SERIES PERFORMANCE SPECIFICATIONS

Features and Specifications	Venice 160	Venice 240	Venice 320
Inputs (total)	30	38	46
Mono-Inputs (Mic/Line) with Inserts	8	16	24
Stereo-Line/Mono-Mic-Input Channels	4/4	4/4	4/4
Stereo-Effect-Returns (Line)	4	4	4
Stereo-Tape-Return (Line)		1 left/right	
Busses		15	
Subgroups		4	
Aux Pre-Fader (Monitor)		2	
Aux Post-Fader (Effects)		2	
Aux switchable Pre/Post-Fader		2	
Master L/R		2	
Mono-PFL		1	
Stereo-AFL		2	
Outputs			
Subgroups (with Inserts)	4 impedance balanced 1/4 inch jacks		
Aux Pre-Fader (Monitor)	2 XLR (balanced)		
Aux Post-Fader (Effects)	2 impedance balanced 1/4 inch jacks		
Aux switchable Pre/Post-Fader	2 XLR (balanced)		
Master (with Inserts)		2 XLR (balanced)	
Master B Out		2 XLR (balanced)	
(switchable Mono/Stereo, pre-post Fader)			
Tape Send (Recording)		1 Stereo (Phono)	
Direct Outputs (1/4 inch Jack)	8	16	24
Stereo-Headphones		2 Stereo-1/4 inch jack	
Stereo-Speakers	2 impedance balanced 1/4 inch jacks		
Size (mm/inch)			
Width	490 / 19.3“	698 / 27.5“	906 / 35.7“
Depth	568 / 22.4“	568 / 22.4“	568 / 22.4“
Heights	194 / 7.6“	194 / 7.6“	194 / 7.6“
Weight (kg/lbs)	16,4 / 36.2	21,1/ 46.5	25,8 / 56.9
Power Consumption	75W	95W	120W
Mains Voltage	110V/120V/220V/230V/240V, 50-60Hz		
Additional Features			
Connector for desk lamps		2 x 12V/5W (4-Pin XLR)	
19“-rack-mounting- kit,	yes	-	-
rotatable connector panel	yes	-	-
External Power Supply (EPS 1200, not included)	-	yes	yes
Accesories		Dust Cover (included) 12 V Desk Lamp (not included) Input Transformer (not included)	

Venice Technical Specifications

Input Impedance	Mic Line	2k Balanced 20k Balanced
Input Gain	Mic	Continuously variable from 0dB to + 60dB
	Line Mono Channel	Continuously variable from - 20dB to + 40dB
	Line Stereo Channel	Continuously variable from - 20dB to + 20dB
	Line Level Inputs	0dB
Maximum Input Level	Mic Line Level Inputs Line Mono Channel Line Stereo Channel	+ 22dBu + 22dBu + 42dBu + 28dBu
CMR at 100Hz	Mic (gain + 40dB)	Typ. 75dB
CMR at 1kHz	Mic (gain + 40dB) Line	> 85dB > 45dB
Frequency Response (20 to 20kHz)	Mic to Mix (gain + 60dB)	+ 0dB to - 1dB
Noise (20 to 20kHz)	Mic EIN ref. 150ohms (gain + 60dB)	- 129dBu
System Noise (20 to 20kHz)		
	Summing Noise (16 channels routed with faders down)	- 90dBu
	Line to Mix Noise (16 channels routed at 0dB, pan centre)	- 86dBu
Distortion at 1kHz	Mic to Insert (+ 30dB gain, + 20dBu output)	Typ 0.0007%
	Mic to Mix (+30dB gain, + 20dBu output)	< 0.009%
Crosstalk at 1kHz	Channel to Channel Mix to Mix Channel to Mix Fader Attenuation Switch Rejection	< - 80dB < - 80dB < - 80dB > 100dB > 100dB
Output Impedance	All Line Outputs Headphones	75 Ohms Balanced Source To drive 32ohms
Maximum Output Level	Master Outputs on XLR All other Outputs on XLR All Outputs on 1/4 inch jacks Headphones	+ 25dBu + 22dBu + 22dBu + 22dBu/600ohms
Nominal Signal Level	Mic Line	- 60dBu to 0 dBu 0dBu

Equaliser Mono Channel	Hi Pass Slope	12dB / Oct
	Hi Pass Frequency	80Hz
	Treble Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Treble Frequency	12k
	Hi Mid Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Hi Mid Frequency	Continuously variable Centre from 400Hz to 8k
	Hi Mid Bandwidth	1 Oct. (Q = 1.4)
	Lo Mid Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Lo Mid Frequency	Continuously variable Centre from 100Hz to 2k
	Lo Mid Bandwith	1 Oct. (Q = 1.4)
	Bass Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Bass Shelving Frequency	80Hz
Equaliser Stereo Channel	Hi Pass Slope	12dB / Oct
	Hi Pass Frequency	80Hz
	Treble Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Treble Frequency	12k
	Hi Mid Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Hi Mid Frequency	3k
	Hi Mid Bandwidth	1.4 Oct. (Q = 1)
	Lo Mid Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Lo Mid Frequency	300Hz
	Lo Mid Bandwidth	1.4 Oct. (Q = 1)
	Bass Gain	Continuously variable + 15 dB to - 15 dB Centre detent = 0dB
	Bass Shelving Frequency	80Hz