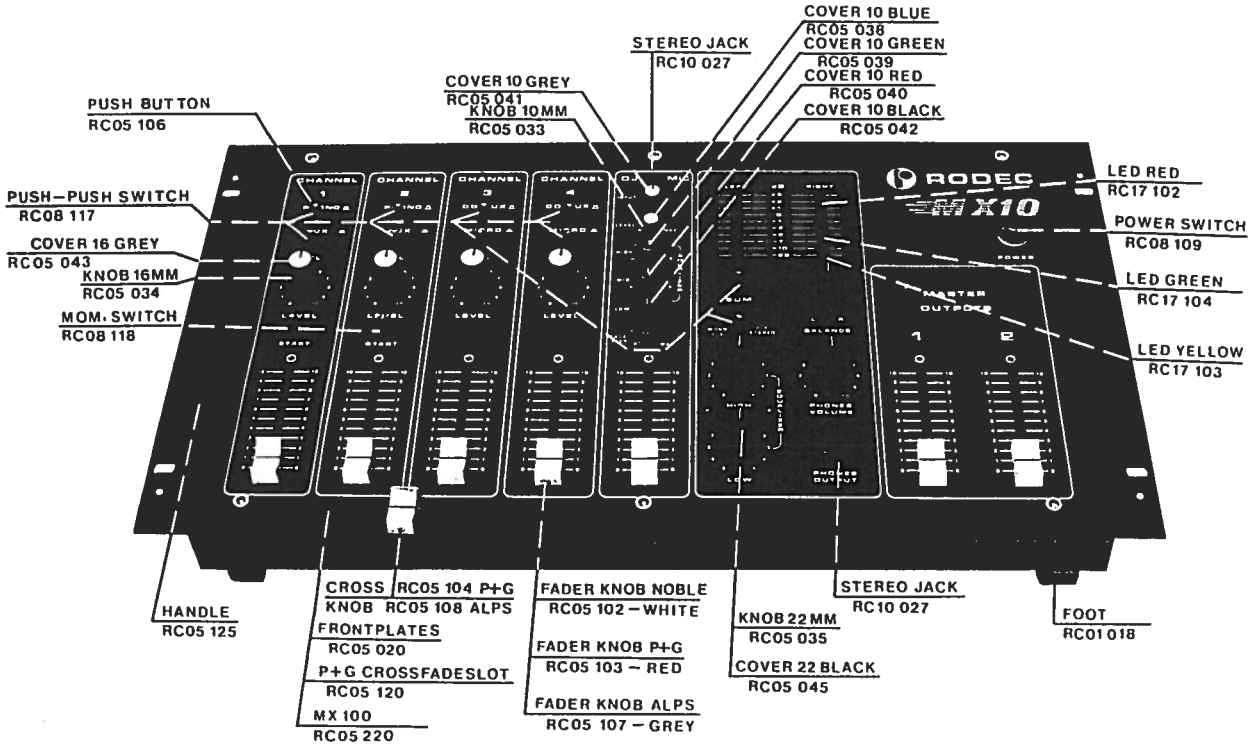
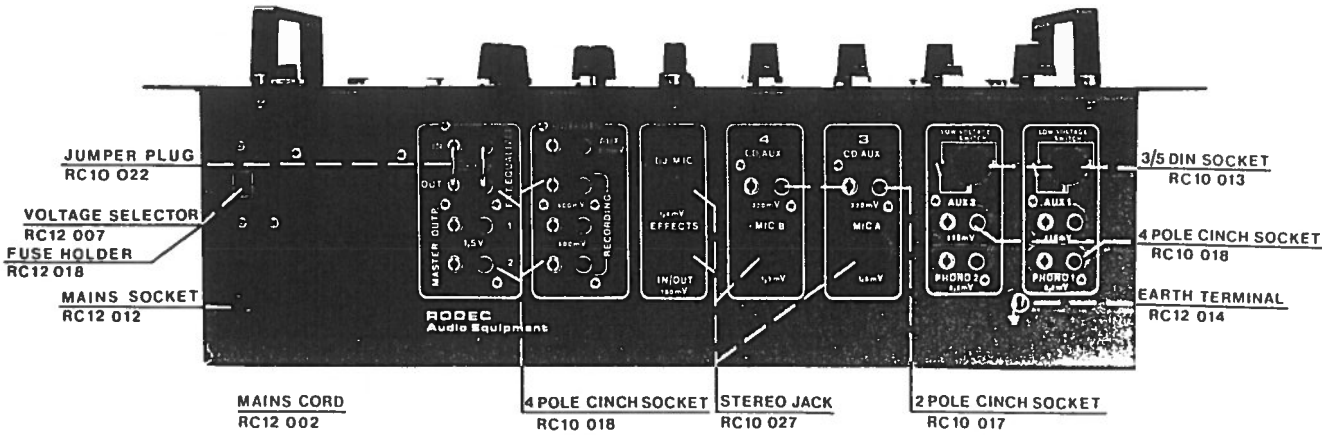
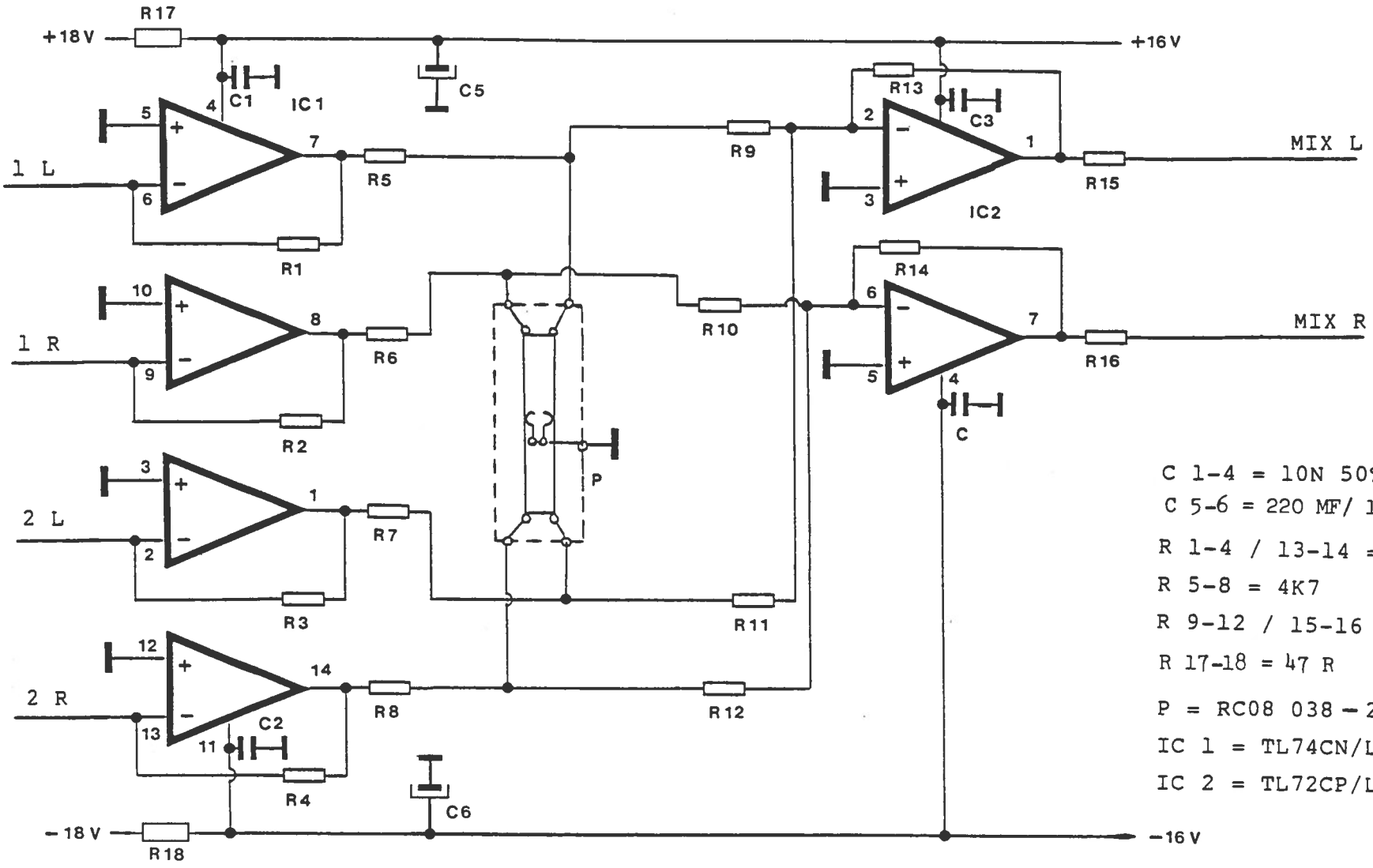
! LAATSTE

RODEC MX10/100 service manual





CROSSFADER ELECTRONICS ON MX 100



C 1-4 = 10N 50%

C 5-6 = 220 MF/ 16V

R 1-4 / 13-14 = 56K

R 5-8 = 4K7

R 9-12 / 15-16 = 47K

R 17-18 = 47 R

P = RC08 038 – 2 x 50 KLIN

IC 1 = TL74CN/LF 347N

IC 2 = TL72CP/LF 353N

MX 100 / PCB RC25 145

Alps crossfader unit: RC27 069

Crossfader to board flat cable:RC29 035

CONTROL CIRCUIT BOARD RC25 043

Metal film resistors 1/4 watt	
R 1,2,3,4,5,6,7,8,9	1K
R 10	2K2
R 13,14,15,16	6K8
R 42,43,44,45	220K
R 19,20,21,22,38,39	12K
R 23,24	18K
R 25	15K
R 26,27	27K
R 28,29,30,31	47K
R 32,33,34,35	56K
R 36,37	100K
R 17,18,40,41,58,59	68K
R 46,47	180K
R 48,49	330K
R 50,51	680K
R 52,53,54,55	1M
R 56,57	560K

Capacitors & semiconductors		
C 1,2	1N5	ceramic capacitor
C 3,4,5,6,7,8	10N	ceramic capacitor
C 9,10,11,12	47N	polyester cap.
C 13,14	220N	polyester cap.
C 15,16,17,18,19,20,21,22,23	2M2/63V	electrol.c.
C 24,25	100M/10V	electrolytic cap.
Q 1,2	BC 264A	N-channel FET
IC 1,2,3	TL074CN/LF347N	quad opamp.
IC 4	LM3916N	LED driver IC
Signal LED	RC17 102	red 2x5mm
Signal & Pilot	RC17 103	yellow 2x5mm
Signal LED	RC17 104	green 2x5mm

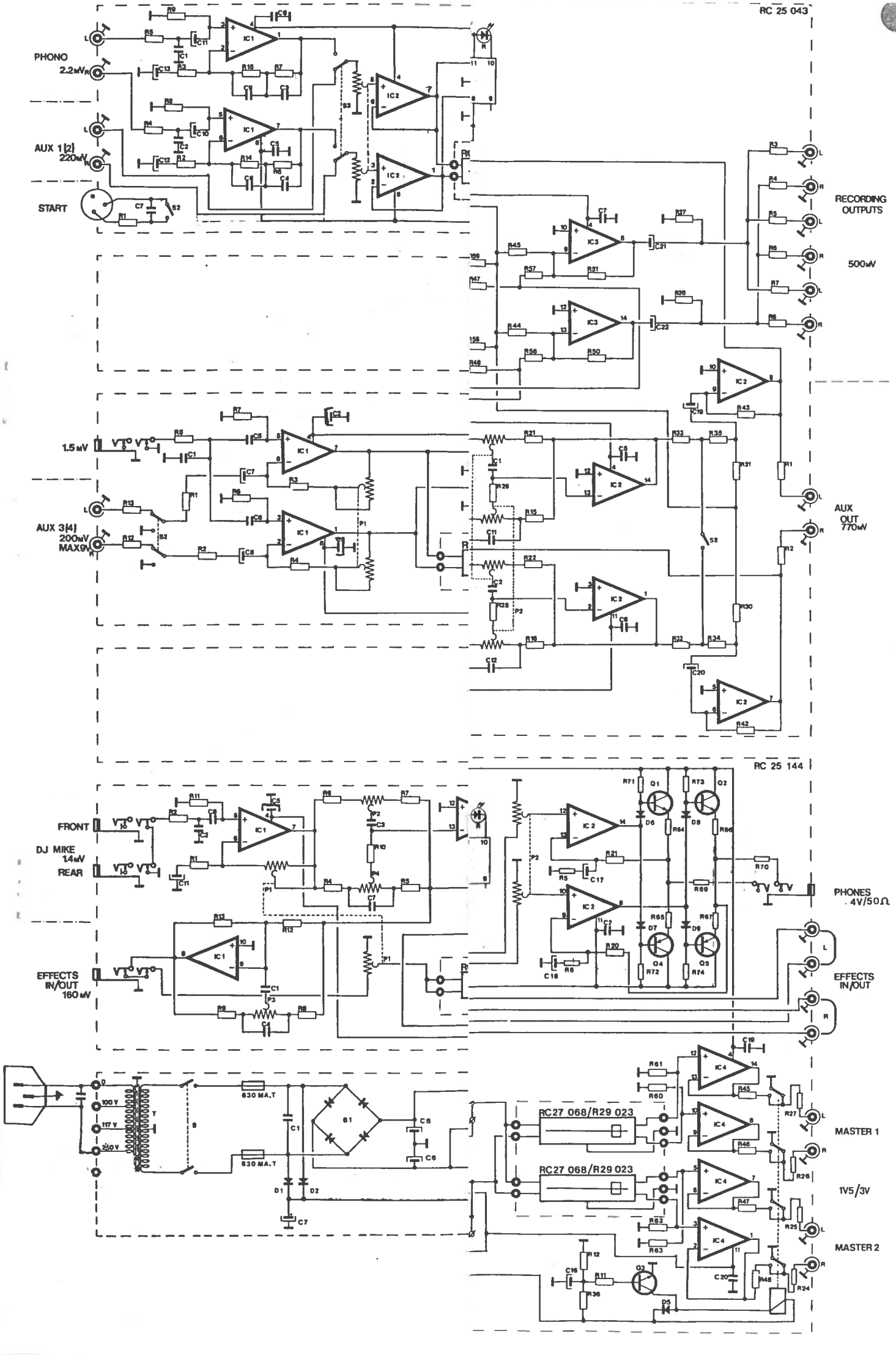
Location ref.	Function	Description	Stocknumber
P1	Treble	Rotative potentiometer 2x100K lin	RC08 019
P2	Bass	Rotative potentiometer 2x100K lin	RC08 019
P3	Adjust LED displ.	Adjust potentiometer 10K lin	RC08 035
S1	SUM switch	Push-push switch	RC08 117
S2	Mono/Stereo	Push-push switch	RC08 117
-	Output sockets	4 pole cinch socket	RC10 018

OUTPUT CIRCUIT BOARD RC25 144

R 1,11	1K	C 1-4,19-20	10N ceramic cap.
R 2,5-6	2K2	C 5-6	47N polyester cap.
R 12,17	15K	C 7-8	100N polyester cap.
R 18-19	18K	C 9-10,15,21-22	2M2/63V electrolytic c
R 20-23	22K	C 16-18	100M/10V electrolytic c
R 24-27	10R	D 1-9	1N4148 silicium diode
R 28-29	27K	Q 1-2	BC337 NPN transistor
R 30-31	33K	Q 3	BC549 NPN transistor
R 32-33	47K	Q 4-5	BC327 PNP transistor
R 34-35	56K	IC 1-2,4	TL074/LF347 quadro opamp
R 36,60-63	220K	IC 3	LM3916N LED driver log
R 37-38	120K	Signal LED red	RC17 102
R 39-40	180K	Signal LED yellow	RC17 103
R 64-67	22R	Signal LED green	RC17 104
R 69-70	47R		
R 71-74	4K7		

P1	Balance	Rotative potentiometer 100K lin	RC08 017
P2	Phones Level	Rotative potentiometer 2x22K log	RC08 020
P3	Adjust LED displ.	Adjust potentiometer 10K lin	RC08 035
-	Output sockets	4 pole cinch socket	RC10 018
-	Phones output	Stereo jack	RC10 027
-	Output disconnect	Relais	RC12 028

Channel fader unit Alps	RC27 068
Fader to board flatcable	RC29 031
Chann. fader Penny+Giles	RC29 023


RC 25 043
PHONO
2.2mV
AUX 1 [2]
220mV
START
RECORDING
OUTPUTS
500mV
1.5 mV
AUX 3 [4]
200mV
MAX9V
AUX
OUT
770mV
RC 25 144
FRONT
DJ MIKE
14mV
REAR
EFFECTS
IN/OUT
160 mV
PHONES
4V/50Ω
EFFECTS
IN/OUT
100 V
117 V
230 V
630 MA.T
630 MA.T
RC27 068/R29 023
RC27 068/R29 023
MASTER 1
1V5/3V
MASTER 2