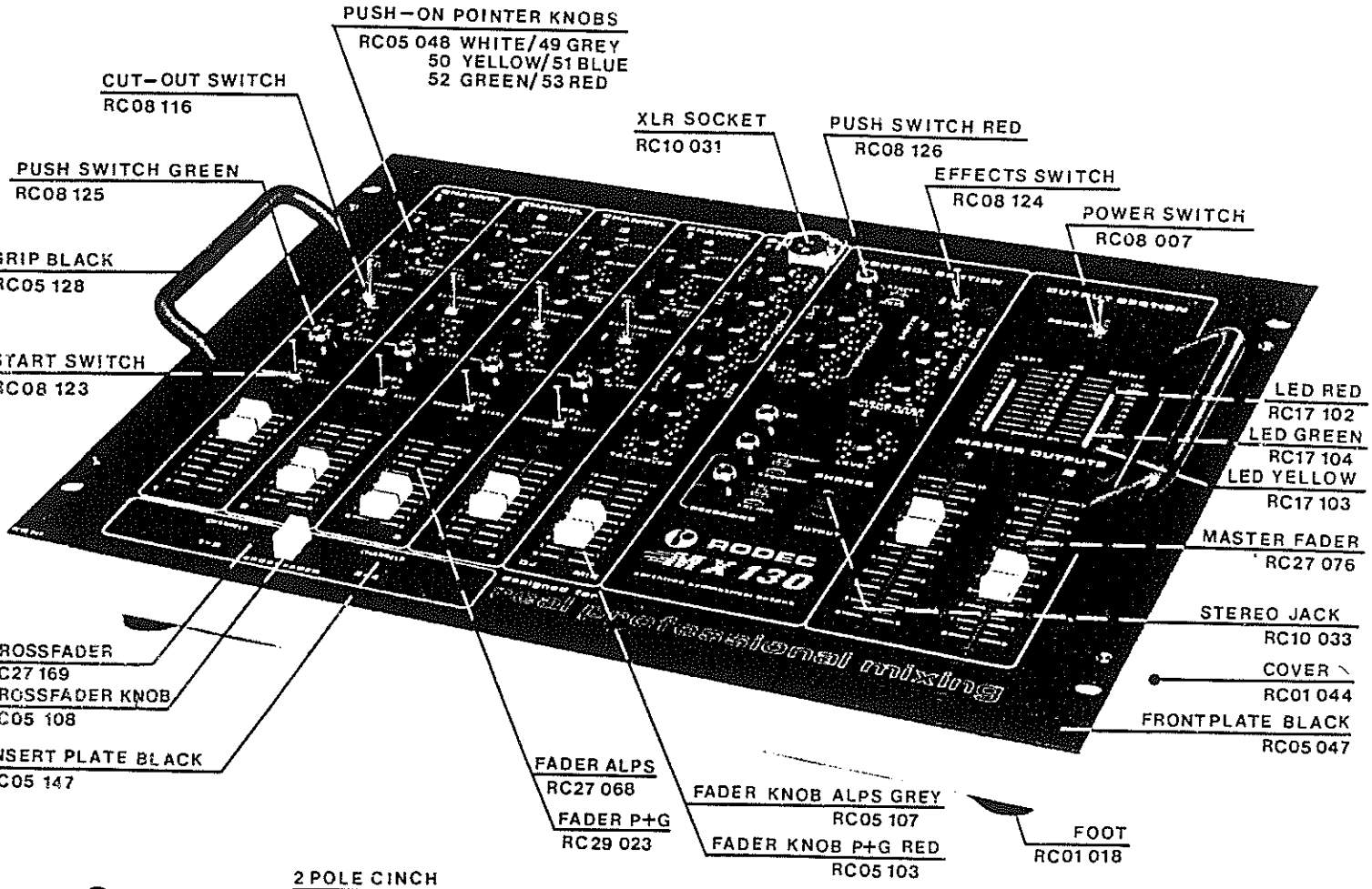
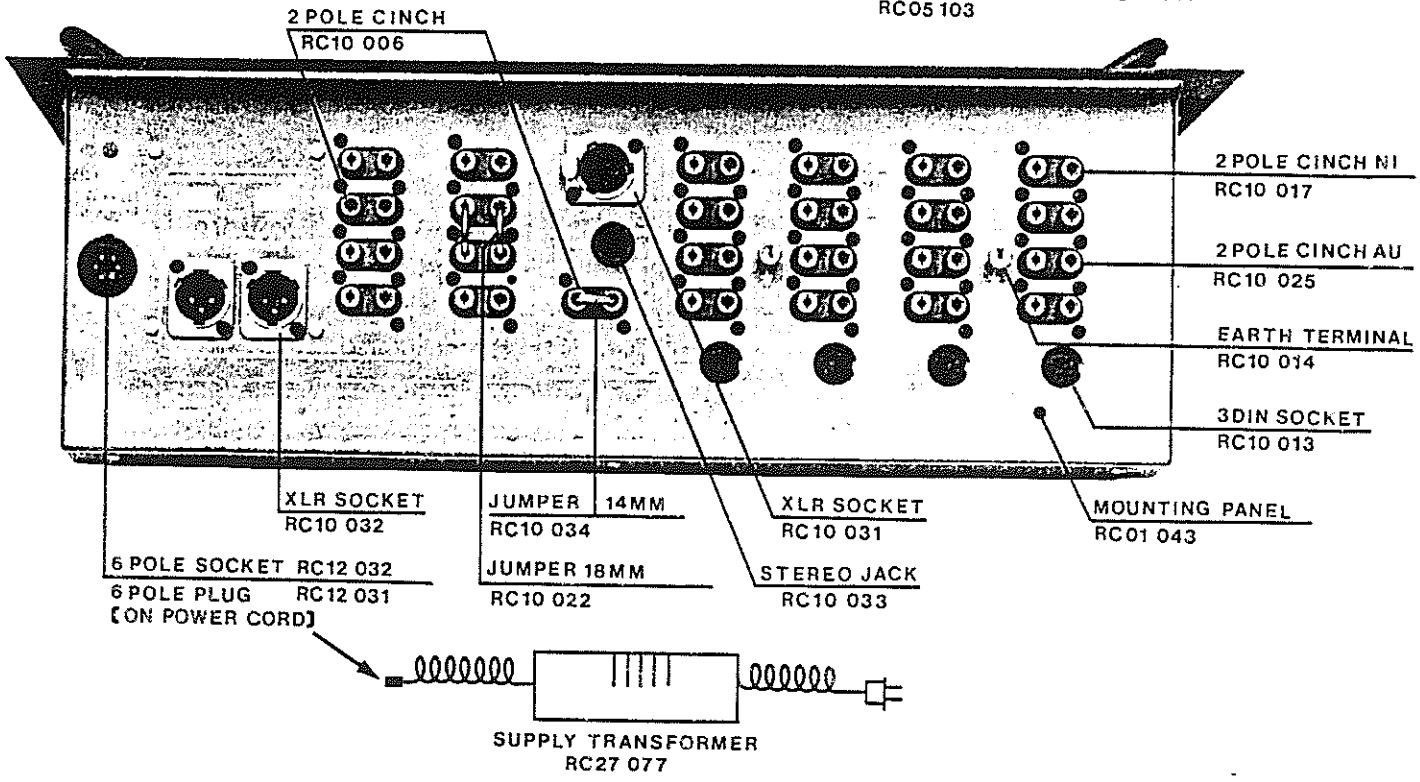
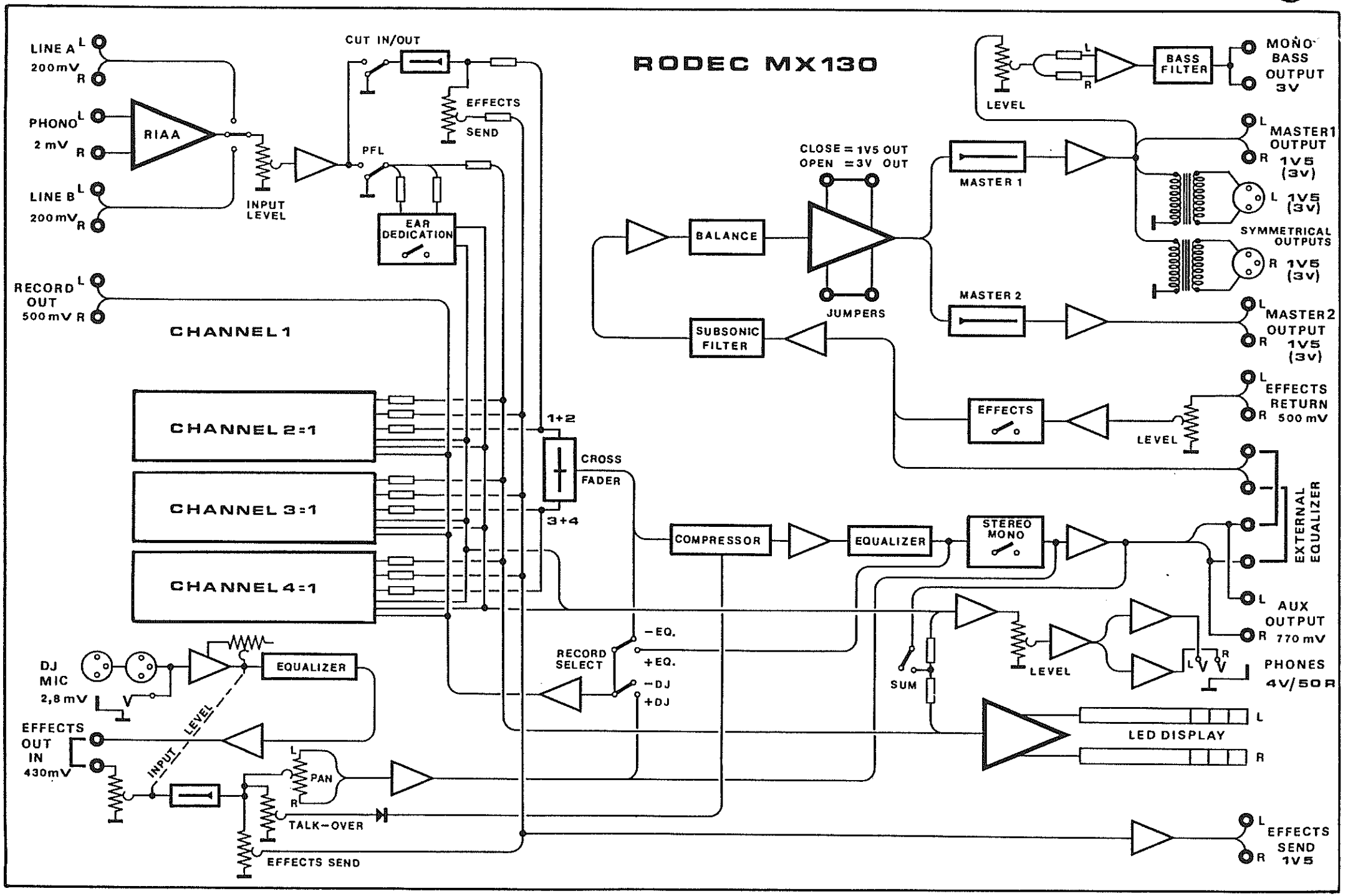
RODEC

MX130 service manual






RODEC MX130
LINE A L
200mV R
PHONO L
2 mV R
LINE B L
200mV R
RIAA
INPUT LEVEL
CUT IN/OUT
EFFECTS SEND
PFL
EAR DEDICATION
RECORD OUT 500 mV L R
CHANNEL 1
CHANNEL 2=1
CHANNEL 3=1
CHANNEL 4=1
1+2
3+4
CROSS FADER
DJ MIC 2,8 mV
EQUALIZER
EFFECTS OUT IN 430mV
INPUT LEVEL
PAN
TALK-OVER
EFFECTS SEND
RECORD SELECT
-EQ.
+EQ.
-DJ
+DJ
COMPRESSOR
EQUALIZER
STEREO MONO
SUM
LEVEL
LED DISPLAY
PHONES 4V/50R
AUX OUTPUT 770 mV
EXTERNAL EQUALIZER
EFFECTS RETURN 500 mV
EFFECTS SEND 1V5
BALANCE
SUBSONIC FILTER
CLOSE = 1V5 OUT
OPEN = 3V OUT
JUMPERS
MASTER 1
MASTER 2
MASTER1 OUTPUT 1V5 (3V)
MASTER2 OUTPUT 1V5 (3V)
SYMMETRICAL OUTPUTS
1V5 (3V)
BASS FILTER
MONO BASS OUTPUT 3V
EFFECTS
LEVEL

RC25 070 Input unit MX 130

RC08 042	Rotative potentiometer 2x250K lin	P 1
RC08 041	Rotative potentiometer 2x100K lin	P 2
RC08 122	Rotative switch 2pole/3pos.	S 1-2
RC08 116	Tumbler switch 2pole/2pos.	S 3
RC08 123	Tumbler switch 1pole/3pos.	S 4
RC08 125	Push-switch green insert	S 5
RC18 008	Dual opamp IC TL72CP/LF353N	IC 1-2
	Ceramic capacitor 10N 50%	C 1-3/16-18
	Ceramic capacitor 22OP	C 4-5
	Ceramic capacitor 2N7	C 6-7
	Polyester capacitor 10N	C 8-9
	Polyester capacitor 470N	C 10-13
	Electrolytic capacitor 100M/10V	C 14-15
	Electrolytic capacitor 2M2/50V	C 19-20
	Metalfilm resistor 1/3W 10R	R 1
	Metalfilm resistor 1/3W 330R	R 2-3
	Metalfilm resistor 1/3W 1K	R 5-6
	Metalfilm resistor 1/3W 2K2	R 8-9
	Metalfilm resistor 1/3W 22K	R 10-11
	Metalfilm resistor 1/3W 27K	R 12-13
	Metalfilm resistor 1/3W 33K	R 14-19
	Metalfilm resistor 1/3W 47K	R 20-23
	Metalfilm resistor 1/3W 100K	R 24-25
	Metalfilm resistor 1/3W 330K	R 26-27
	Metalfilm resistor 1/3W 1M	R 28-31

RC25 071 DJ Input unit MX 130

RC08 040	Rotative potentiometer 100K lin	P 1-6
RC08 041	Rotative potentiometer 2x100K lin	P 7
	Silicium diode	D 1-2
RC18 010	Low noise IC NE 5534 N	IC 1
RC18 009	Quadro opamp IC TL74CN/LF347N	IC 2
	Ceramic capacitor 22P	C 1
	Ceramic capacitor 330P	C 2
	Ceramic capacitor 470P	C 3
	Ceramic capacitor 1N5	C 4
	Ceramic capacitor 10N 50%	C 5-6
	Polyester capacitor 47N	C 7
	Polyester capacitor 100N	C 8
	Electrolytic capacitor 2M2/63V	C 9-12
	Electrolytic capacitor 100M/10V	C 13-14
	Ceramic capacitor 4N7	C 15-16
	Metalfilm resistor 1/3W 100R	R 1-2
	Metalfilm resistor 1/3W 470R	R 3-6
	Metalfilm resistor 1/3W 2K2	R 7
	Metalfilm resistor 1/3W 6K8	R 8-11
	Metalfilm resistor 1/3W 10K	R 12-15
	Metalfilm resistor 1/3W 12K	R 16-19
	Metalfilm resistor 1/3W 15K	R 20
	Metalfilm resistor 1/3W 22K	R 21
	Metalfilm resistor 1/3W 47K	R 22-25
	Metalfilm resistor 1/3W 68K	R 26
	Metalfilm resistor 1/3W 100K	R 27
	Metalfilm resistor 1/3W 39K	R 28-29
	Metalfilm resistor 1/3W 1M	R 30-32

RC25 073 (continued)

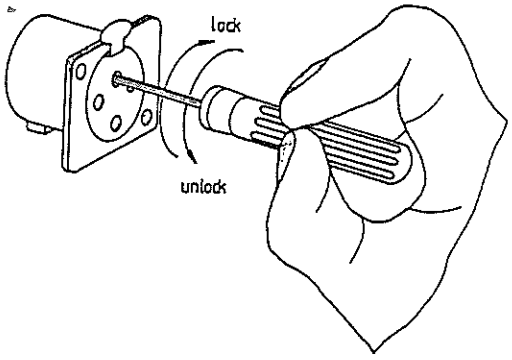
	Metalfilm resistor 1/3W	10R	R 1-5
	Metalfilm resistor 1/3W	22R	R 6-9
	Metalfilm resistor 1/3W	47R	R 10-11
	Metalfilm resistor 1/3W	150R	R 14
	Metalfilm resistor 1/3W	4K7	R 15-18
	Metalfilm resistor 1/3W	10K	R 19-20
	Metalfilm resistor 1/3W	22K	R 21-22
	Metalfilm resistor 1/3W	27K	R 23-24
	Metalfilm resistor 1/3W	33K	R 25-30
	Metalfilm resistor 1/3W	47K	R 31-44
	Metalfilm resistor 1/3W	56K	R 45-46
	Metalfilm resistor 1/3W	100K	R 47-48
	Metalfilm resistor 1/3W	120K	R 49-50
	Metalfilm resistor 1/3W	220K	R 51-54

RC25 074 Supply & LED display MX 130

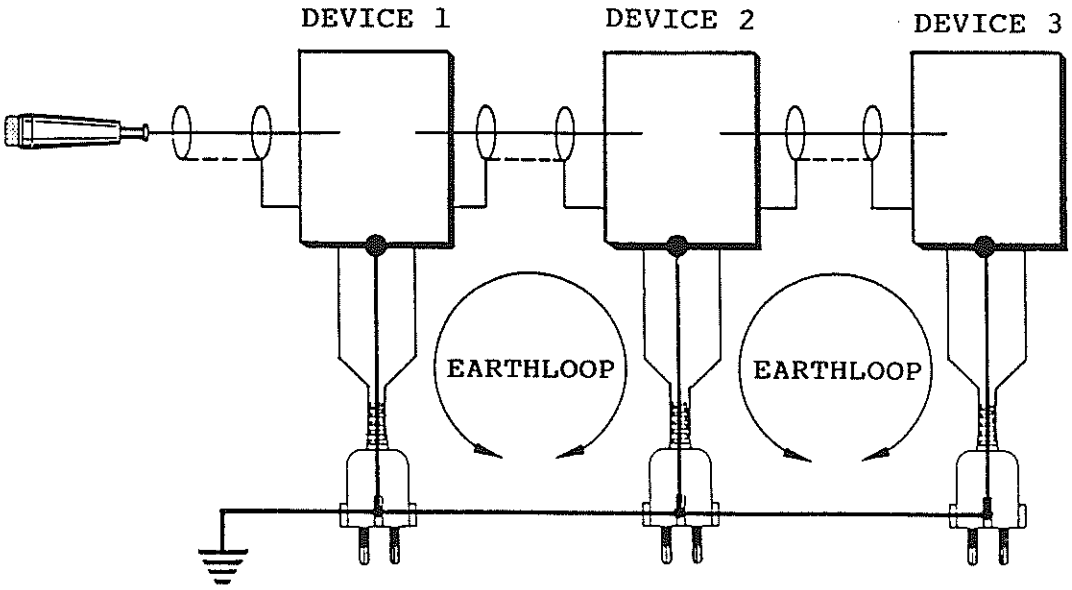
RC08 007	Tumbler switch 2-pole/2-pos.		
RC08 031	Horizontal adjustpot. 10K		
	Fuse 5x20 T 630mA		
RC17 004	Transistor PNP BC 327		Q 1
RC17 102	LED 2x5mm red		
RC17 102	LED 2x5mm yellow		
RC17 102	LED 2x5mm green		
	Silicium diode		D 1-5
	Rectifier diode 1N4002		
RC18 009	Quadro opamp IC TL074CN/LF347N		IC 1
RC18 013	PVR 24V MC 7824 CT		
RC18 014	PVR 18V MC 7818 CT		
RC18 015	NVR 18V MC 7918 CT		
RC18 019	LED driver IC LM 3915 N		IC 2-3
	Ceramic capacitor	10N 50%	C 1-2
	Polyester capacitor	22N class X2	C 4
	Polyester capacitor	220N	C 5-6
	Electrolytic capacitor	2M2/63V	C 7-8
	Electrolytic capacitor	4M7/63V	C 9-11
	Electrolytic capacitor	47M/50V	C 12-14
	Electrolytic capacitor	1500M/40V	C 15-18
	Metalfilm resistor 1/3W	1K	R 1-2
	Metalfilm resistor 1/3W	2K2	R 3-4
	Metalfilm resistor 1/3W	15K	R 5-6
	Metalfilm resistor 1/3W	18K	R 7-8
	Metalfilm resistor 1/3W	47K	R 9
	Metalfilm resistor 1/3W	10K	R 10-11
	Metalfilm resistor 1/3W	180K	R 12-13

RC25 075 Line transformer unit

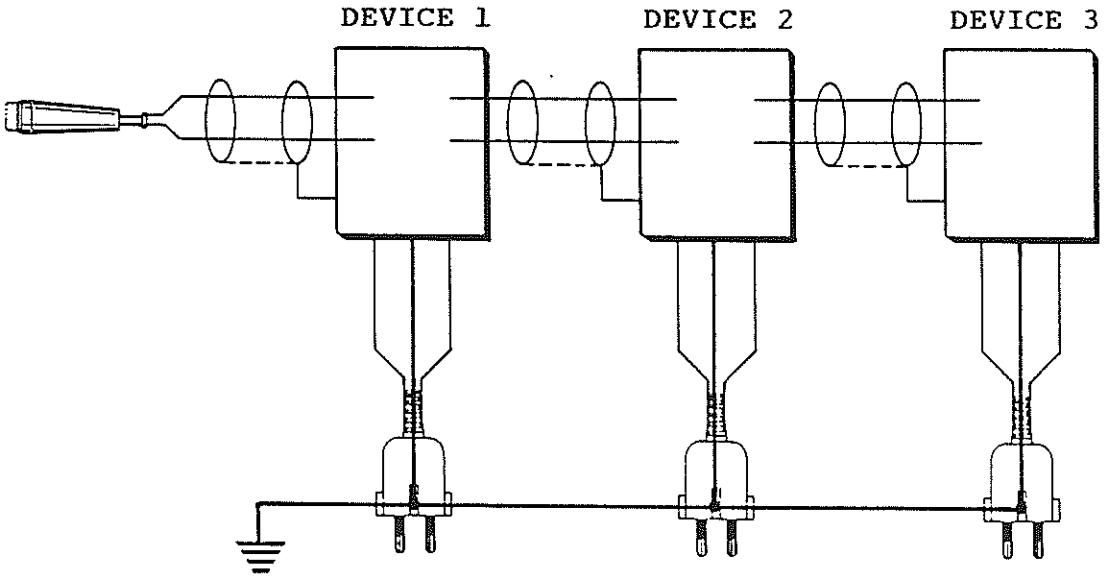
RC21 022	Line transformer 600/600R		
	Metalfilm resistor 1/3W	2K2	



NEUTRIK connectors are secured with a rotative locking device. Please act according to the drawing to unlock and relock in case of demounting and remounting the mixer.



Earthloops occur when the devices are interconnected with the wire-screening on both sides.



Symmetrical set-up (with transformers) will eliminate this problem if wire-screening is connected only to the "receiving" device.

RC25 072 Tone control circuit

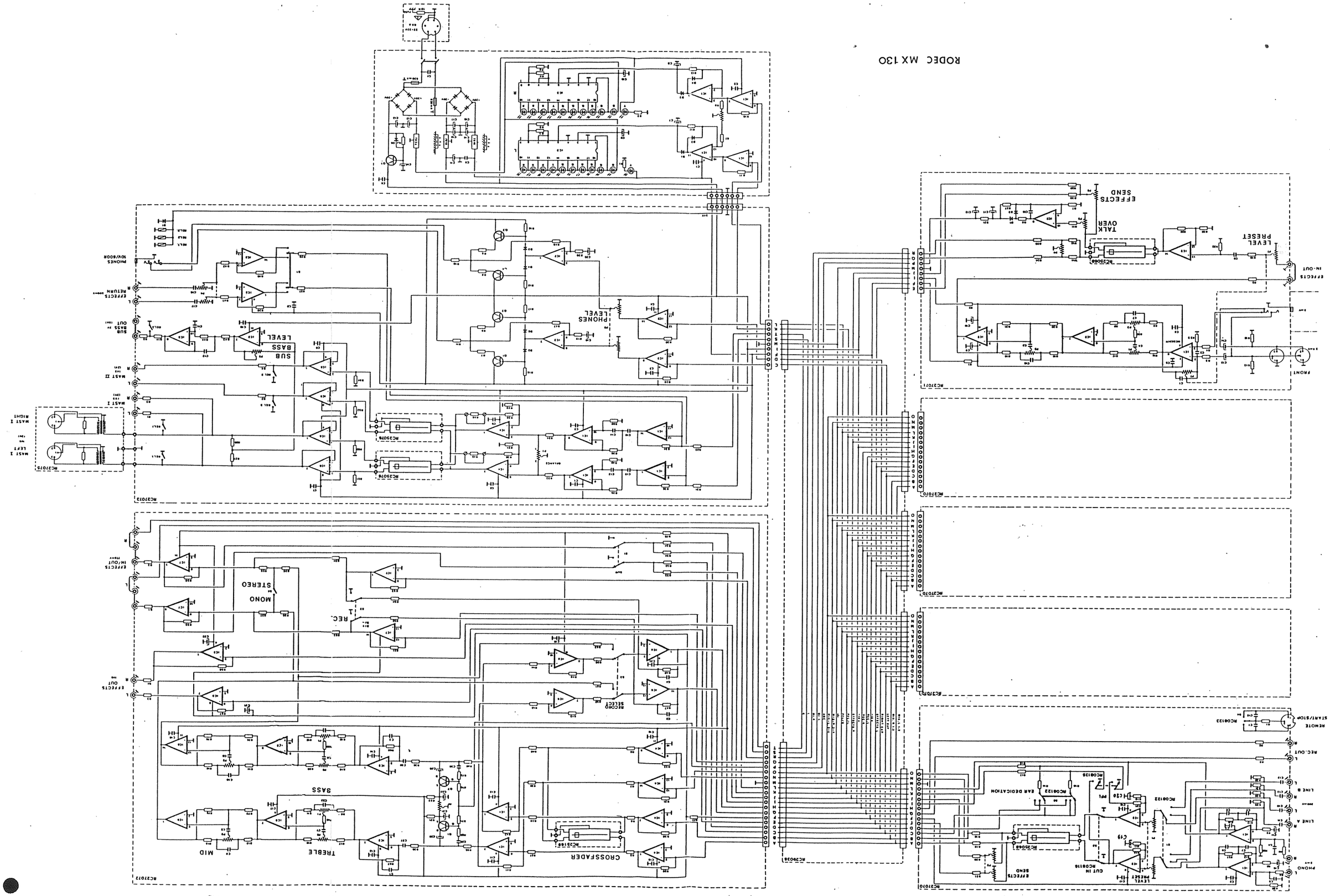
RC08 041	Rotative potentiometer 2x100K lin	P 1-3
RC08 035	Adjust potentiometer 10K	P 4
RC08 125	Push-switch green insert	S 1
RC08 126	Push-switch red insert	S 2-4
RC17 012	Field-effect transistor BC265A	Q 1-2
RC18 008	Dual opamp IC TL72CP/LF353N	IC 1-3
RC18 009	Quadro opamp IC TL74CN/LF347N	IC 4-7
	Ceramic capacitor 10P	C 1-4
	Ceramic capacitor 470P	C 5-6
	Ceramic capacitor 1N5	C 7-8
	Ceramic capacitor 4N7	C 9-10
	Ceramic capacitor 10N 50%	C 11-20
	Electrolytic capacitor 2M2/50V	C 21-22
	Polyester capacitor 47N	C 23-26
	Polyester capacitor 220N	C 27-28
	Electrolytic capacitor 100M/10V	C 31-32
	Metalfilm resistor 1/3W 150R	R 1-4
	Metalfilm resistor 1/3W 4K7	R 5-8
	Metalfilm resistor 1/3W 8K2	R 9-12
	Metalfilm resistor 1/3W 10K	R 13-16
	Metalfilm resistor 1/3W 18K	R 17-22
	Metalfilm resistor 1/3W 22K	R 23-24
	Metalfilm resistor 1/3W 27K	R 25-28
	Metalfilm resistor 1/3W 33K	R 29-34
	Metalfilm resistor 1/3W 39K	R 35-36
	Metalfilm resistor 1/3W 47K	R 37-50
	Metalfilm resistor 1/3W 56K	R 51-56
	Metalfilm resistor 1/3W 68K	R 57-58
	Metalfilm resistor 1/3W 82K	R 59-64
	Metalfilm resistor 1/3W 180K	R 65-66
	Metalfilm resistor 1/3W 220K	R 67-68
	Metalfilm resistor 1/3W 1M	R 69-76
	Metalfilm resistor 1/3W 22R	R 77-78

RC25 073 Output unit MX 130

RC08 040	Rotative potentiometer 100K lin	P 1-2
RC08 042	Rotative potentiometer 2x250K log	P 3
RC08 041	Rotative potentiometer 2x100K lin	P 4
RC08 124	Tumbler switch 2-pole/3-pos.	S 1
RC12 030	Relais 2-pole 24V/gold contacts	
RC17 003	Transistor NPN BC 337	Q 1/3
RC17 004	Transistor PNP BC 327	Q 2/4
	Silicium diode	D 1-5
RC18 009	Quadro opamp IC TL74CN/LF347N	IC 1-3
RC18 008	Dual opamp IC TL72CP/LF353N	IC 4
RC18 011	Dual power IC NE5532N	IC 5-6
	Ceramic capacitor 10N 50%	C 1-10
	Polyester capacitor 10N	C 11
	Polyester capacitor 22N	C 12
	Polyester capacitor 47N	C 13-14
	Polyester capacitor 100N	C 15-16
	Polyester capacitor 470N	C 17-18
	Electrolytic capacitor 100M/10V	C 19-20

Continued next page...

RODEC MX 130


MASTER
MASTER
MASTER