RODEC®

Manufactured by: Transtel Sabima Ltd.
Duboisstraat 48
B-2060 Antwerpen Belgium
Phone: 00 32(0)3/237-36-07
Fax: 00 32(0)3/216-97-62
e-mail: info@rodec.be
URL: http://www.rodec.be

SERVICE MANUAL BX-9 / BX-14

Version: 1.0

1.0.0. TABLE OF CONTENTS

1.0.0. Table of contents p.1
2.0.0. Operating instructions BX-9 / BX-14 p.2
2.1.0. Specifications p.2
2.2.0. Safety instructions p.3
2.3.0. Installation of the mixing panel p.3
2.4.0. Frontpanel, switches and control p.3
2.5.0. Connections p.4
2.6.0. Operating instructions p.5
2.7.0. Subsonic filter p.5
2.8.0. Pictures p.6
3.0.0. Technical information p.8
3.1.0. BX-9 p.8
3.1.1. Part list p.8
3.1.2. Wiring diagram BX-9 p.9
3.2.0. BX-14 p.10
3.2.1. Part list p.10
3.2.2. Wiring diagram BX-14 p.11
3.3.0. Options p.12
3.4.0. Difference between 66 xxx xxxx and 68 xxx xxxx p.12
3.5.0. Signal numbers p.12
4.0.0 Schematic diagrams p.13
4.1.0. 68 001 0030 Input unit Line/Phono to CF-X + REC BX9/BX14 p.13
4.2.0. 68 002 0030 Input unit Line/Phono to CF-Y + REC BX9/BX14 p.14
4.3.0. 68 003 0030 Input unit Line/Line to mix + AUX BX9 p.15
4.4.0. 68 004 0030 Input unit Line/Line to CF-X + AUX BX14 p.16
4.5.0. 68 005 0030 Input unit Line/Line to CF-Y BX14 p.17
4.6.0. 68 001 0031 Mic line input unit BX9/BX14 p.18
4.7.0. 68 001 0032 Output unit BX9/BX14 p.19
4.8.0. 68 001 0027 LED unit p.20
4.9.0. 68 002 0028 Supply unit BX9/BX14 p.20
4.10.0. 68 001 0015 Alps crossfader unit p.21
4.11.0. 68 003 0008 Alps fader unit 90° cable=150mm p.21
4.12.0. 68 004 0008 Alps fader unit 90° cable=260mm p.21

5.0.0. Parts lists p.22
5.1.0. 68 001 0030 Input unit Line/Phono to CF-X + REC BX9/BX14 p.22
5.2.0. 68 002 0030 Input unit Line/Phono to CF-Y + REC BX9/BX14 p.22
5.3.0. 68 003 0030 Input unit Line/Line to mix + AUX BX9 p.23
5.4.0. 68 004 0030 Input unit Line/Line to CF-X + AUX BX14 p.24
5.5.0. 68 005 0030 Input unit Line/Line to CF-Y BX14 p.24
5.6.0. 68 001 0031 Mic line input unit BX9/BX14 p.25
5.7.0. 68 001 0032 Output unit BX9/BX14 p.26
5.8.0. 68 001 0027 LED unit p.27
5.9.0. 68 002 0028 Supply unit BX9/BX14 p.27
5.10.0. 68 001 0015 Alps crossfader unit p.28

5.11.0. 68 003 0008 Alps fader unit 90° cable=150mm p.28
5.12.0. 68 004 0008 Alps fader unit 90° cable=260mm p.28

6.0.0. Parts discription p.29
6.1.0. Front view BX-9 p.29
6.2.0. Front view BX-14 p.29
6.3.0. Front part order numbers BX-9 / BX-14 p.29
6.4.0. Back view BX-9 p.30
6.5.0. Back view BX-14 p.30
6.6.0. Back part order numbers BX-9 / BX-14 p.31

2.0.0. OPERATING INSTRUCTIONS BX-9 / BX-14

2.1.0. SPECIFICATIONS

Inputs	**Input sensitivity**	**Signal/Noise Ratio**	**Remarks**
PHONO 2-3	2.3mV/50kΩ	< -77dB	RIAA correction
LINE 1-4 + 1B (BX-9), 1-6 + 1B + 4B (BX-14)	220mV/50kΩ	< -90dB	
MIC symm. 4 (BX-9), 5 + 6 (BX-14)	3.5mV/3.3kΩ	< -85dB	
Outputs			
Master 1-2 assymm.	1.55V/10kΩ		Subsonic filter
Recording	500mV/10kΩ		
Aux	775mV/10kΩ		
Phones	12V/600Ω		Phones 200-600Ω

- Tone controls: Bass +/-13dB @ 100Hz
  Middle +/-13dB @ 1kHz
  High +/-13dB @ 10kHz
- Subsonic filter: -25dB @ 10Hz
- Power source: Panels are leaving the factory on: 230V / 50Hz-60Hz
  on request: 100V-117V / 50Hz-60Hz
- Fuse: T500mA
- Power consumption: OFF=2.0VA ON=21.2VA (BX-9), 23.4VA (BX-14)
- Approbation: CE-approved
- Dimensions: Front: 482mm x 266mm (19" x 6HE)
  Chassis: 444mm x 254mm x 120mm
- Weight: 5.72kg (BX-9), 6.02kg (BX-14)

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

MODEL BX-9
SERIAL NUMBER ..... (on the back of the set)

MODEL BX-14
SERIAL NUMBER ..... (on the back of the set)

Please give model and serial number when you request info.

Thank you very much for purchasing the **RODEC** mixing panel BX-9 / BX-14.
This mixing panel is a topline-mixing panel, capable of outstanding performance in combination with high-grade systems.

2.2.0. SAFETY INSTRUCTIONS

1) Do not expose the set to rain or water. Do not spill liquid or insert (metal) objects inside the set. Rain, water or liquid such as cosmetics as well as metal, may cause electric shocks, which can result in fire or shock hazard. If anything gets inside, unplug the power cord.

2) Frayed cords and broken plugs may cause a fire or shock hazard. Do not damage the power cord. When removing the power cord from wall outlet, be sure to unplug by holding the plug attachment and not pulling the cord.

3) Do not open the set, there are no serviceable parts inside.
Only qualified service technicians can service inside your set.

4) Operate the set only from a power source which is indicated on the rating label at the back of the set.

5) Do not use chemical products to clean the set. Do not use contact spray or other products in the faders. The contact spray can damage the faders.

2.3.0. INSTALLATION OF THE MIXING PANEL

1) The set can be used in every position.

2) Don't place the set into direct sunlight, or in a warm moist or dusty place.

3) To avoid disturbances, do not place the set in the neighbourhood of disturbing apparatuses.

2.4.0. FRONTPANEL, SWITCHES AND CONTROL

1) **Power switch**
Controls the supply of AC power to the set. One push turns the mixing panel on, a second push turns it off. It remains in a stand-by mode.

2) **Power "ON" on indicators**
These indicators light up when the power is on.

3) **VU meters**
The two VU meters indicate the PFL signal.

4) **Phones output**
Output for high level headphones monitoring. With the PFL switches (7) the connected audio sources (in split mode) can be displayed without manipulating the output signal (Headphones 200-600Ω).

5) **Phones control**
This button is used to adjust the volume of the headphones.

6) **Phones-select potentiometer**
With this potentiometer, the signal for the headphones output can be selected. When turned completely to the left, the signal selected with the channel PFL-switches (7) appears on the headphones. When turned completely to the right, the mix-signal appears on the headphones. In between it results in a mix of the PFL-signal and the mix-signal.

7) **PFL switches**
With these switches you can select the different input sources that you will listen to with the headphones.

8) **Input selector**
This switch is used to select the input signal.

9) **Level adjuster**
These controls are used to adjust input levels of the different inputs.

10) **Equalizer controls**
This is used to regulate the degree of treble, middle and bass in the sound.

11) **Channel faders**
Volume control for every input.

12) **Crossfader**
With this fader you can easily fade over between channels 2 and 3 for BX-9 and channels 1-2 and 3-4 for BX-14. When the knob stands completely to the left, the signal of channel 2 on BX-9 and channels 1 and 2 on BX-14 will appear on the output. When the knob stands completely to the right, the signals of channel 3 for the BX-9 and channels 3 and 4 for BX-14 will appear on the output.

13) **Balance**
The balance between the amount of sound on the left and on the right is adjusted by using this knob. When it is set to the center position, the gain is the same for the left and the right channel.

14) **Master output faders**
Volume controls final output of mixer towards slave- or integrated amplifers.

2.5.0. CONNECTIONS

A) **PHONO input**
Phono input with a sensitivity of 2.3mV and build in RIAA correction.

B) **Ground**
If the recordplayer has a ground wire, connect it to the ground terminal.

C) **LINE/LINE B input**
Input with a sensitivity of 220mV. To connect different apparatuses such as a CD-player, tuner, tape recorder, mini disc, cassette recorder or (HIFI) video recorder.

D) **Microphone input**
Balanced microphone input with a sensitivity of 3.5mV. Combined connector XLR + JACK. The JACK connector can also be used for unbalanced microphones.

E) **Effects IN/OUT**
Input and output to connect effect apparatus to the microphone channel. If there is no plug in the JACK, the microphone channel works normally, if there is a plug inserted in the JACK, the internal link is interrupted. The sensitivity of this IN/OUT connection is 220mV.

F) **Recording outputs**
Outputs to connect cassette recorder, MD-recorder or (HIFI) video recorder to make recordings.

G) **AUX output**
Output for different apparatuses as integrated amplifiers, mixers or recorders.
The output level is 775mV.

H) **Master output 1 Assymetrical**
Assymetrical output to connect a power-amplifier. The output level can be manipulated with the master fader 1 (14) from 0 to maximum (1.55V).

I) **Master output 2 Assymetrical**
Assymetrical output to connect a power-amplifier. The output level can be manipulated with the master fader 2 (14) from 0 to maximum (1.55V).

J) **Master output 1 Symmetrical**
Optional symmetrical output to connect a power-amplifier. The output level can be manipulated with the master fader 1 (14) from 0 to maximum (3.3V).

Please use signal cables shorter than 1 meter for the inputs and the outputs.

2.6.0. OPERATING INSTRUCTIONS

1) First switch all the connected music-sources on (like CD-players, recordplayers, etc.). Then switch the power button (1) to turn the power supply on. The power indicators (2) will light up and a few seconds later the mixing panel will be in operation, ready state. In this stage you can turn on the power amplifiers.

2) Connect the headphones to phones output (4).

3) Choose with input switch (8) the right source.

4) Switch the PFL button (7) in position ON to listen to the desired source. Turn the phones select button (6) completely to the left and turn the phones volume potentiometer (5) up to the desired position, to get the stereo signal on the headphones and the VU-meters. The PFL circuit works as a sum-system, there is a possibility to listen to more sources at the same time. All these operations have no influence on the outputsignal! Adjust with the level control (9) the input signal so, that the red indicators of the level meters (3) light up now and then. Adjust if necessary the quality of the sound with the equalizer (10).

   LOOK OUT: - The equalizer at each input is used to adjust the different sound between the sources. To correct the acoustic of the room it is probably best to use an external equalizer.

5) Slide up the fader (11) of the choosen source.

6) Adjust with the master (14) the volume.

7) If you like, you can mix the PFL signal, selected with the channel PFL switches (7) with the mix signal, by turning the Phones select button (6).

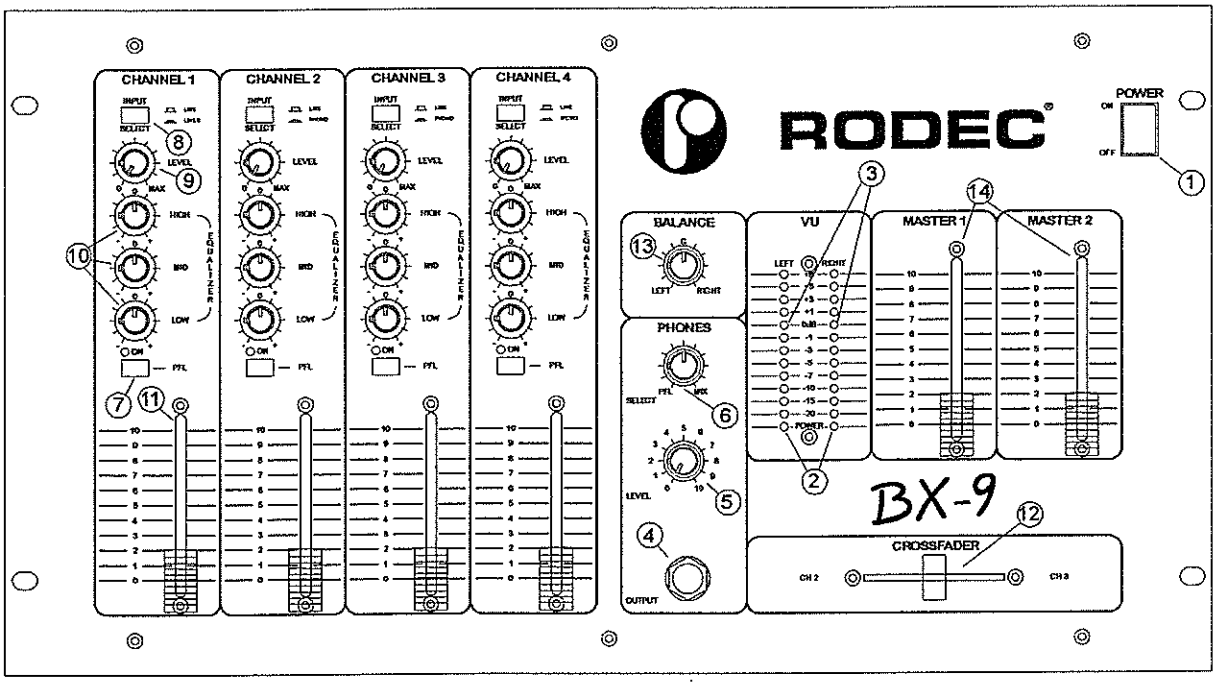
8) To change the source, repeat point 3) to 6).

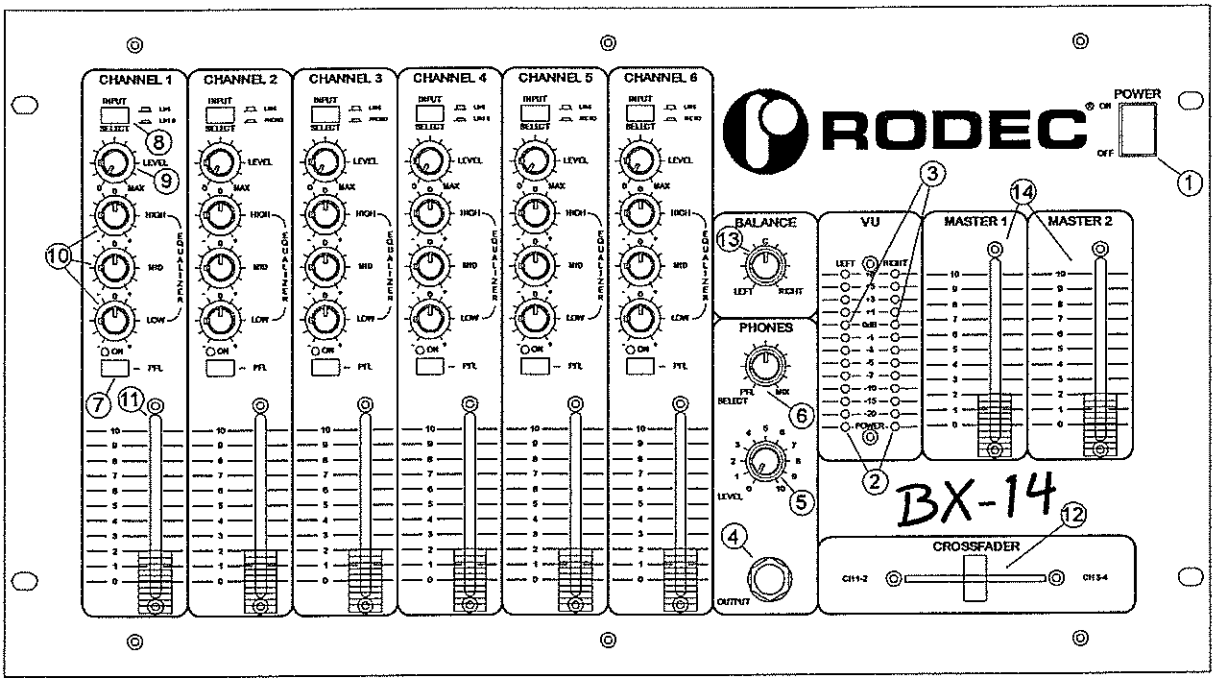
9) If you like to record the mixed signal, you can simply do this by connecting a recorder to the record-connectors (F).

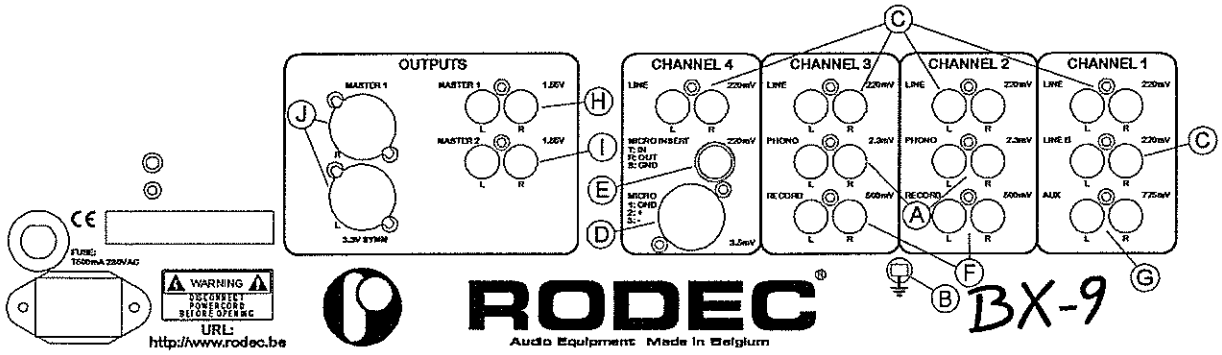
2.7.0. SUBSONIC FILTER

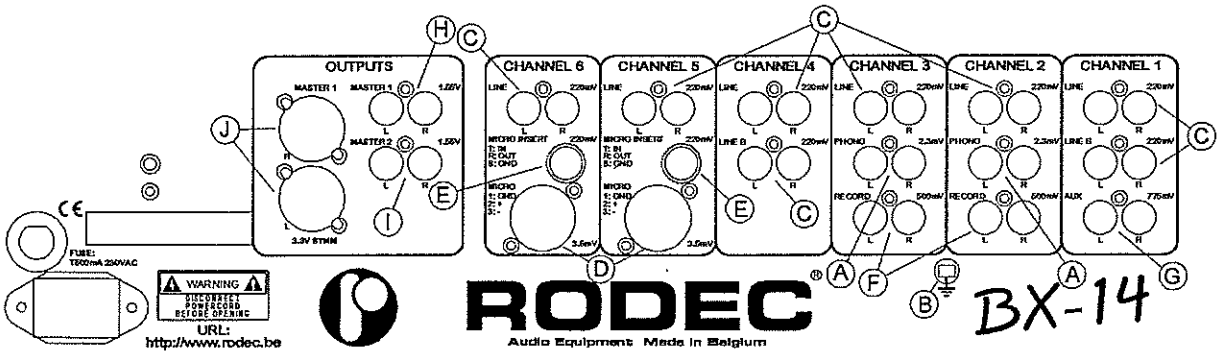
The two master outputs have a subsonic filter to protect the bass loudspeakers from DC and subsonic signals. This filter can not be switched off. The filter gives a reduction of 25dB at 10Hz.

2.8.0. PICTURES






OUTPUTS
CHANNEL 4
CHANNEL 3
CHANNEL 2
CHANNEL 1
WARNING
URL:
http://www.rodec.be
RODEC
Audio Equipment Made in Belgium
BX-9


OUTPUTS
CHANNEL 6
CHANNEL 5
CHANNEL 4
CHANNEL 3
CHANNEL 2
CHANNEL 1
WARNING
URL:
http://www.rodec.be
RODEC
Audio Equipment Made in Belgium
BX-14

3.0.0. TECHNICAL INFORMATION

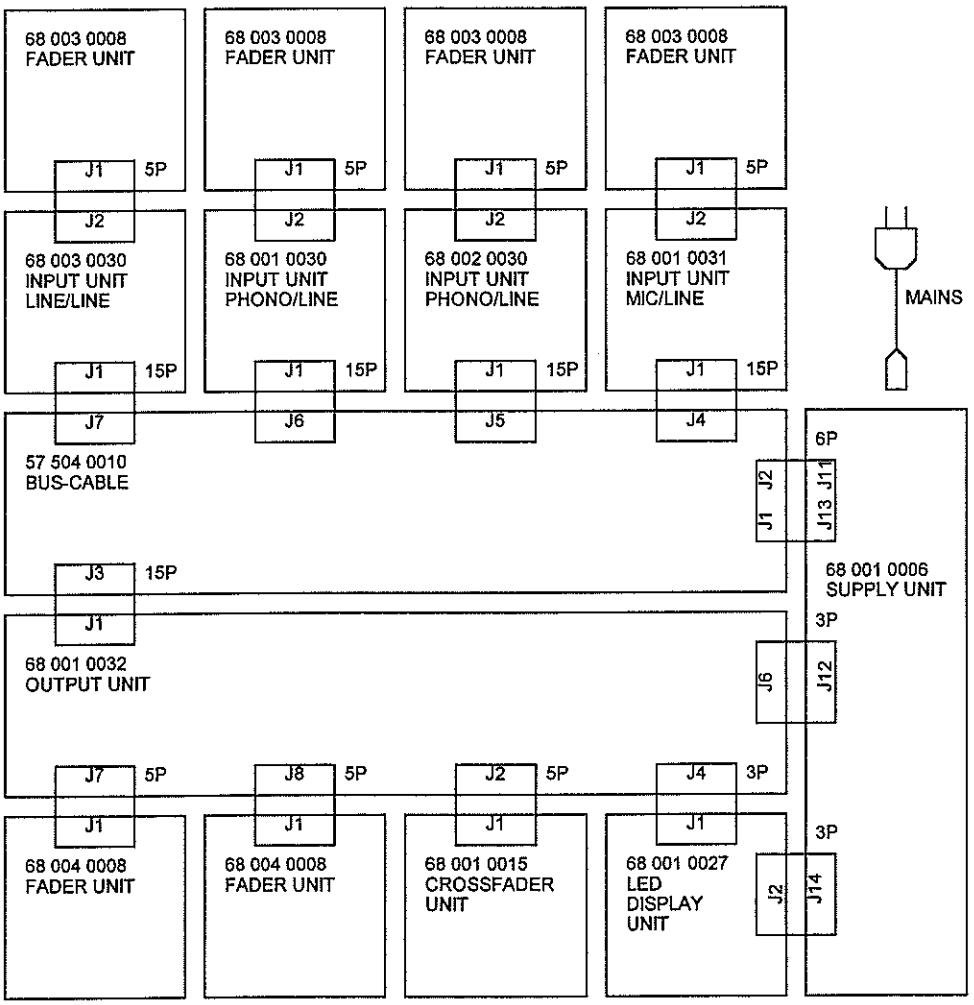
3.1.0. BX-9

3.1.1. PART LIST

Refdes	Device	Order code	Function
	Switch Rocker 2x2 black body red rocker	11 503 0001	Power switch
	Transfo Toroidal 19.5-0-19.5V/40VA 230/117/100V	42 501 0004	
	Fuse T500mA 5x20mm	48 001 500m	Primary fuse
	Fuse holder	51 503 0002	
	Flat cable Busbar BX-9	57 504 0011	
	Mains filter 1A	57 508 0001	Mains input
	Earth terminal	57 510 0001	
	Solder lug 3mm	57 510 0002	
	Connector cable Transfo 5p	57 510 0011	
	Power cable 3pol	60 002 0001	Mains cable
	Helavia A1bis 20mm	60 002 0003	
	Knob RODEC Soft Black/Red 10mm 180°/12	63 001 0022	
	Knob RODEC Soft Black/Grey 10mm 180°/12	63 001 0023	
	Knob RODEC Soft Black/White 12mm 180°/12	63 001 0027	
	Knob RODEC Soft Black/Yellow 12mm 180°/12	63 001 0037	
	Knob Black shaft=1.2x4	63 003 0002	
	Knob Soft touch Black/White T-shaft	63 003 0003	
	Pushknob Rectangle black 5,5x10	63 004 0003	
	Alps fader unit 90° cable=150mm	68 003 0008	Channel faders
	Alps fader unit 90° cable=260mm	68 004 0008	Master faders
	Alps crossfader unit	68 001 0015	Crossfader
	LED unit	68 001 0027	
	Supply unit BX9/BX14/CX1100	68 002 0028	
	Input unit Line/Phono to CF-X + REC BX9/BX14	68 001 0030	
	Input unit Line/Phono to CF-Y + REC BX9/BX14	68 002 0030	
	Input unit Line/Line to mix + AUX BX9	68 003 0030	
	Mic line input unit BX9/BX14	68 001 0031	
	Output unit BX9/BX14	68 001 0032	
	Bold M3x10	71 001 0002	
	Hi-Lo 3.2x8.5	71 001 0004	
	Bold M3x6 CFH black	71 001 0005	
	Thread forming screw M4x16 THP	71 001 0007	
	Bold VK M3x10 black	71 001 0009	
	Bold M3x6 black	71 001 0010	
	Slotted screw M4x70	71 001 0013	
	Nut M3 brass	71 002 0001	
	Nut M4	71 002 0002	
	Hexagon domed cap nut M3	71 002 0003	
	Nut JACK nylon	71 002 0004	
	Washer nylon 3mm	71 003 0001	
	Washer nylon 4/8	71 003 0003	
	Washer JACK	71 003 0004	
	Lock washer M3	71 004 0001	
	Lock washer M4	71 004 0004	
	Blocsur JZ6	71 004 0005	
	Spacer h3/3 nylon	71 005 0005	
	Frontpanel BX9	74 001 0024	
	Connectionpanel BX-9	74 002 0005	
	Bottombox BX-9/BX-13	74 003 0006	
	Apparatus foot	74 005 0003	
	Cap ring Natural for M4	74 005 0005	
	Cover cap Black D=10.8mm	74 005 0006	
	Hole plug 24mm black	74 006 0009	
	Tape double sided 38mm	77 002 0001	

	Tape double sided 15mm	77 002 0002	
	Plastic bag 700mm x 500mm	80 001 0002	
	Plastic bag 180mm x 250mm	80 001 0004	
	Box CX-1100/MX180/240/300 MKIII	80 002 0001	
	Isomo CX-1100	80 003 0005	
	User manual BX-9 / BX-14	83 002 0008	User manual
	Label Serialnumber RODEC	83 004 0003	
	Warranty card	83 004 0004	
	Pink pack message	83 004 0005	
	Label Box BX-9	83 004 0026	
	Anti dust cloth 90x100	94 001 0007	
	Mains wire MX180 MKIII/MX240 MKIII	94 001 0011	Power cable
	Anti dust cloth 35x100	94 001 0013	
	Anti dust cloth 190x100	94 001 0029	

3.1.2. WIRING DIAGRAM BX-9



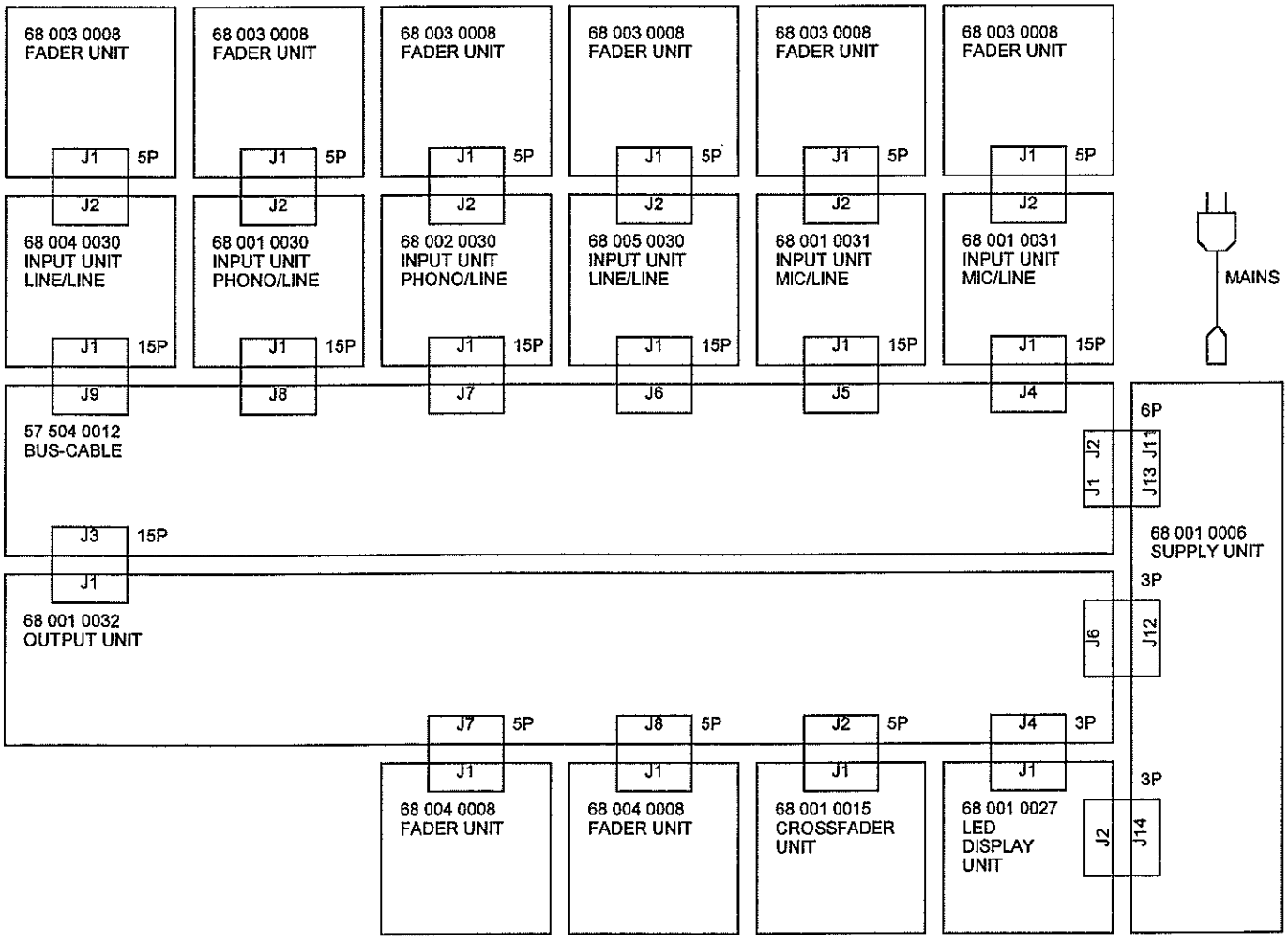
3.2.0. BX-14

3.2.1. PART LIST

Refdes	Device	Order code	Function
	Switch Rocker 2x2 black body red rocker	11 503 0001	Power switch
	Transfo Toroidal 19.5-0-19.5V/40VA 230/117/100V	42 501 0004	
	Fuse T500mA 5x20mm	48 001 500m	Primary fuse
	Fuse holder	51 503 0002	
	Flat cable Busbar BX-14	57 504 0012	
	Mains filter 1A	57 508 0001	Mains input
	Earth terminal	57 510 0001	
	Solder lug 3mm	57 510 0002	
	Connector cable Transfo 5p	57 510 0011	
	Power cable 3pol	60 002 0001	Mains cable
	Helavia A1bis 20mm	60 002 0003	
	Knob RODEC Soft Black/Red 10mm 180°/12	63 001 0022	
	Knob RODEC Soft Black/Grey 10mm 180°/12	63 001 0023	
	Knob RODEC Soft Black/White 12mm 180°/12	63 001 0027	
	Knob RODEC Soft Black/Yellow 12mm 180°/12	63 001 0037	
	Knob Black shaft=1.2x4	63 003 0002	
	Knob Soft touch Black/White T-shaft	63 003 0003	
	Pushknob Rectangle black 5,5x10	63 004 0003	
	Alps fader unit 90° cable=150mm	68 003 0008	Channel faders
	Alps fader unit 90° cable=260mm	68 004 0008	Master faders
	Alps crossfader unit	68 001 0015	Crossfader
	LED unit	68 001 0027	
	Supply unit BX9/BX14/CX1100	68 002 0028	
	Input unit Line/Phono to CF-X + REC BX9/BX14	68 001 0030	
	Input unit Line/Phono to CF-Y + REC BX9/BX14	68 002 0030	
	Input unit Line/Line to CF-X + AUX BX14		
	Input unit Line/Line to CF-Y BX14		
	Mic line input unit BX9/BX14	68 001 0031	
	Output unit BX9/BX14	68 001 0032	
	Bold M3x10	71 001 0002	
	Hi-Lo 3.2x8.5	71 001 0004	
	Bold M3x6 CFH black	71 001 0005	
	Thread forming screw M4x16 THP	71 001 0007	
	Bold VK M3x10 black	71 001 0009	
	Bold M3x6 black	71 001 0010	
	Slotted screw M4x70	71 001 0013	
	Nut M3 brass	71 002 0001	
	Nut M4	71 002 0002	
	Hexagon domed cap nut M3	71 002 0003	
	Nut JACK nylon	71 002 0004	
	Washer nylon 3mm	71 003 0001	
	Washer nylon 4/8	71 003 0003	
	Washer JACK	71 003 0004	
	Lock washer M3	71 004 0001	
	Lock washer M4	71 004 0004	
	Blocsur JZ6	71 004 0005	
	Spacer h3/3 nylon	71 005 0005	
	Frontpanel BX14	74 001 0025	
	Connectionpanel BX-14	74 002 0006	
	Bottombox BX-9/BX-14	74 003 0006	
	Apparatus foot	74 005 0003	
	Cap ring Natural for M4	74 005 0005	
	Cover cap Black D=10.8mm	74 005 0006	
	Hole plug 24mm black	74 006 0009	
	Tape double sided 15mm	77 002 0002	
	Plastic bag 700mm x 500mm	80 001 0002	

	Plastic bag 180mm x 250mm	80 001 0004	
	Box CX-1100/MX180/240/300 MKIII	80 002 0001	
	Isomo CX-1100	80 003 0005	
	User manual BX-9 / BX-14	83 002 0008	User manual
	Label Serialnumber RODEC	83 004 0003	
	Warranty card	83 004 0004	
	Pink pack message	83 004 0005	
	Label Box BX-14	83 004 0027	
	Anti dust cloth 90x100	94 001 0007	
	Anti dust cloth 240x105	94 001 0008	
	Mains wire MX180 MKIII/MX240 MKIII	94 001 0011	Power cable
	Anti dust cloth 35x100	94 001 0013	

3.2.2. WIRING DIAGRAM BX-14



3.2.0. OPTIONS.

- 94 001 0012: Fader unit P&G
  This is an upgrading kit for a fader of a BX-9 or BX-14. This is a Penny & Giles high quality studio fader that replaces the standard Alps faders.
- 94 001 0028: Symmetrical output unit option BX-9 or BX-14
  With this option there can be placed a second symmetrical output in the BX-9 or BX-14.

3.3.0. DIFFERENCE BETWEEN 66 xxx xxxx AND 68 xxx xxxx

- 66 xxx xxxx = the order code for the PCB (without the components)
- 68 xxx xxxx = the order code for the assembled PCB
  68 001 xxxx = first type of assembling
  68 002 xxxx = second type of assembling
  etc.

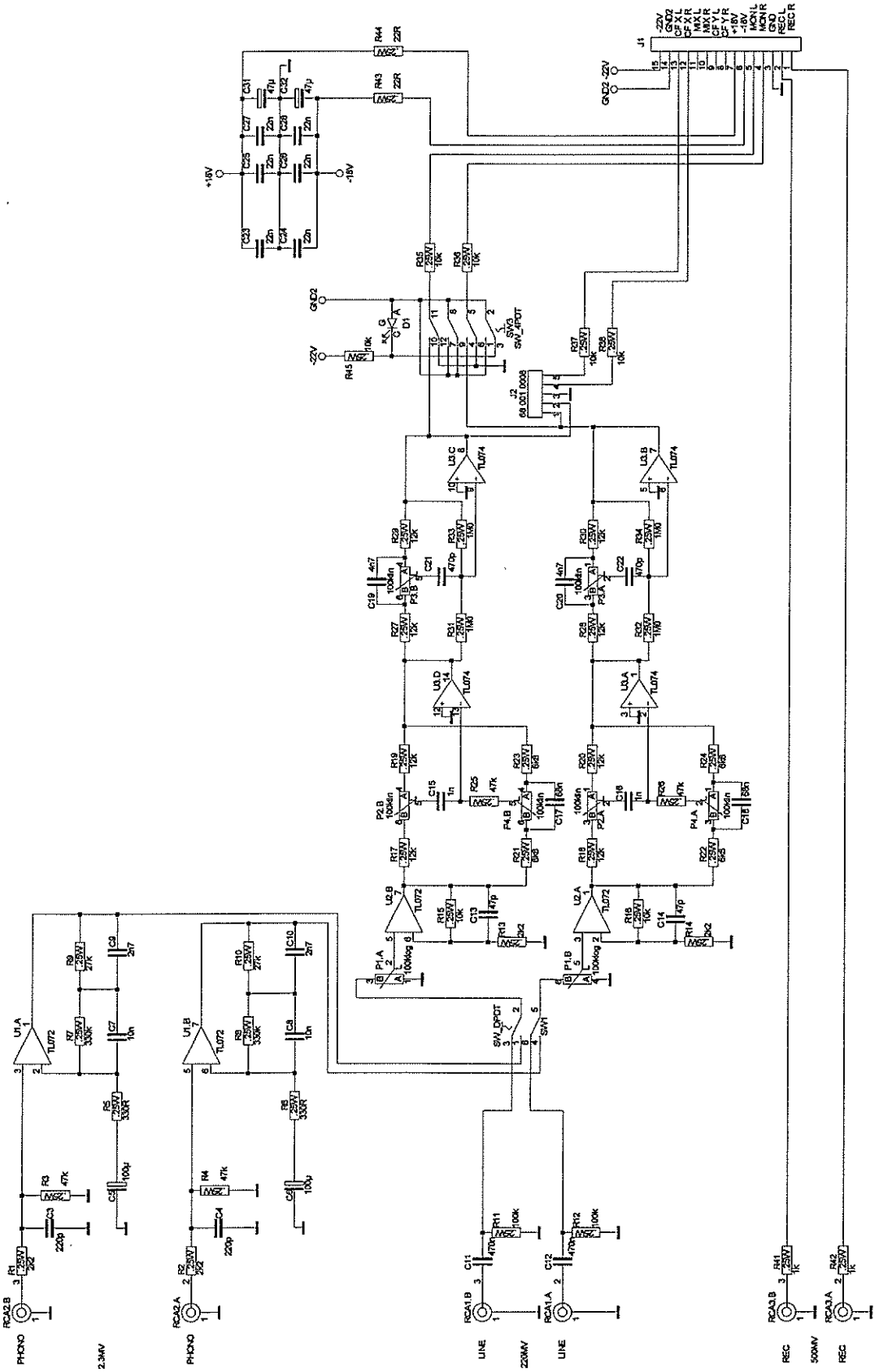
3.4.0. SIGNAL NUMBERS

The following numbers are used for the numbering of the signals in the several connectors, which are connecting the different PCB's.

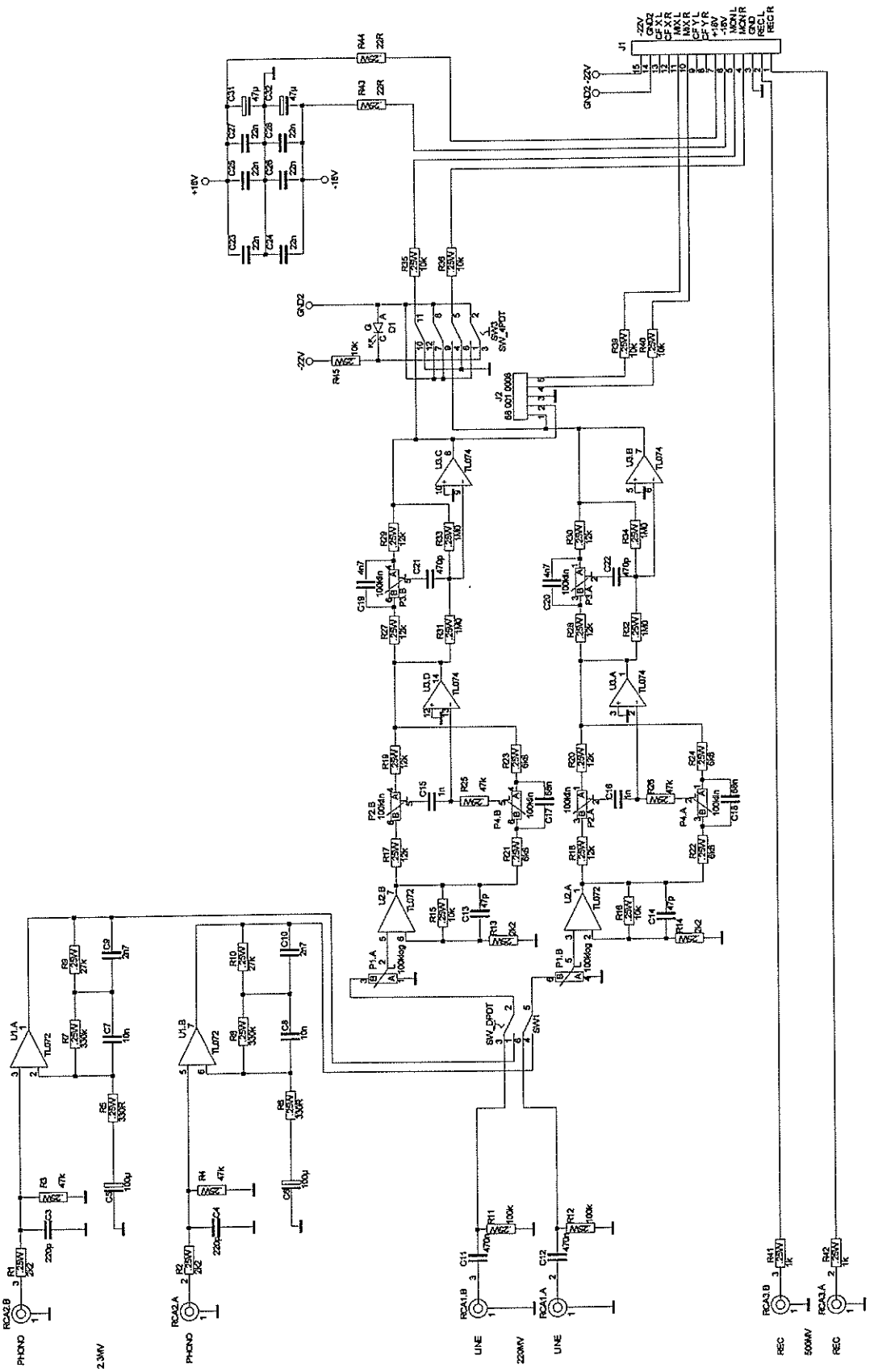
NR 1 → REC R: The right record signal
NR 2 → REC L: The left record signal
NR 3 → GND: The ground inside the table
NR 4 → MON R: The right signal, selected with the PFL switches
NR 5 → MON L: The left signal, selected with the PFL switches
NR 6 → -18V: -18V Power supply
NR 7 → +18V: +18V Power supply
NR 8 → CF Y R: The right crossfader signal
NR 9 → CF Y L: The left crossfader signal
NR 10 → MIX R: The right mix signal
NR 11 → MIX L: The left mix signal
NR 12 → CF X R: The right crossfader signal
NR 13 → CF X L: The left crossfader signal
NR 14 → GND2: The ground inside the table
NR 15 → -22V Power supply

4.0.0 SCHEMATIC DIAGRAMS.

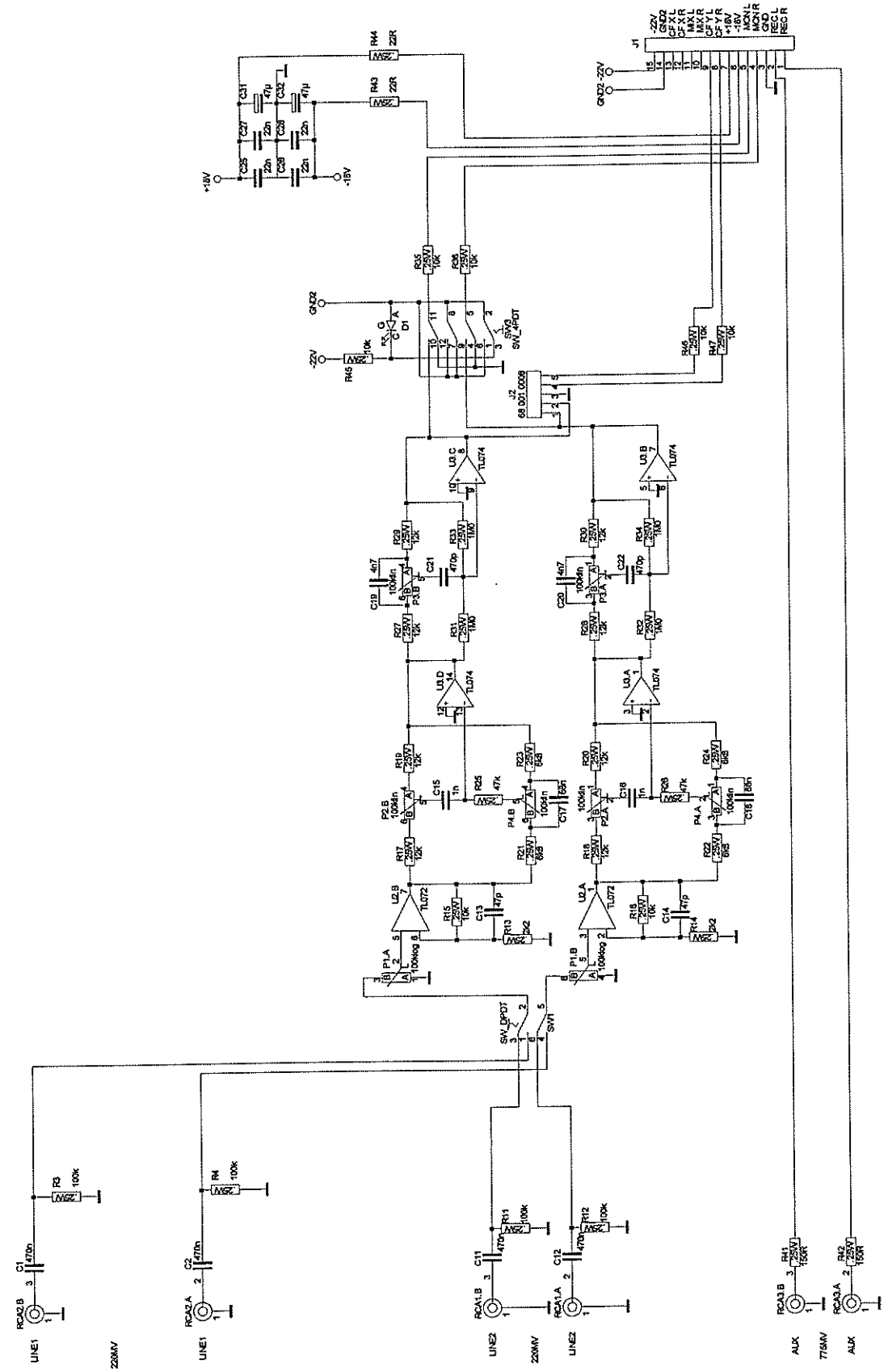
4.1.0. 68 001 0030 Input unit Line/Phono to CF-X + REC BX9/BX14



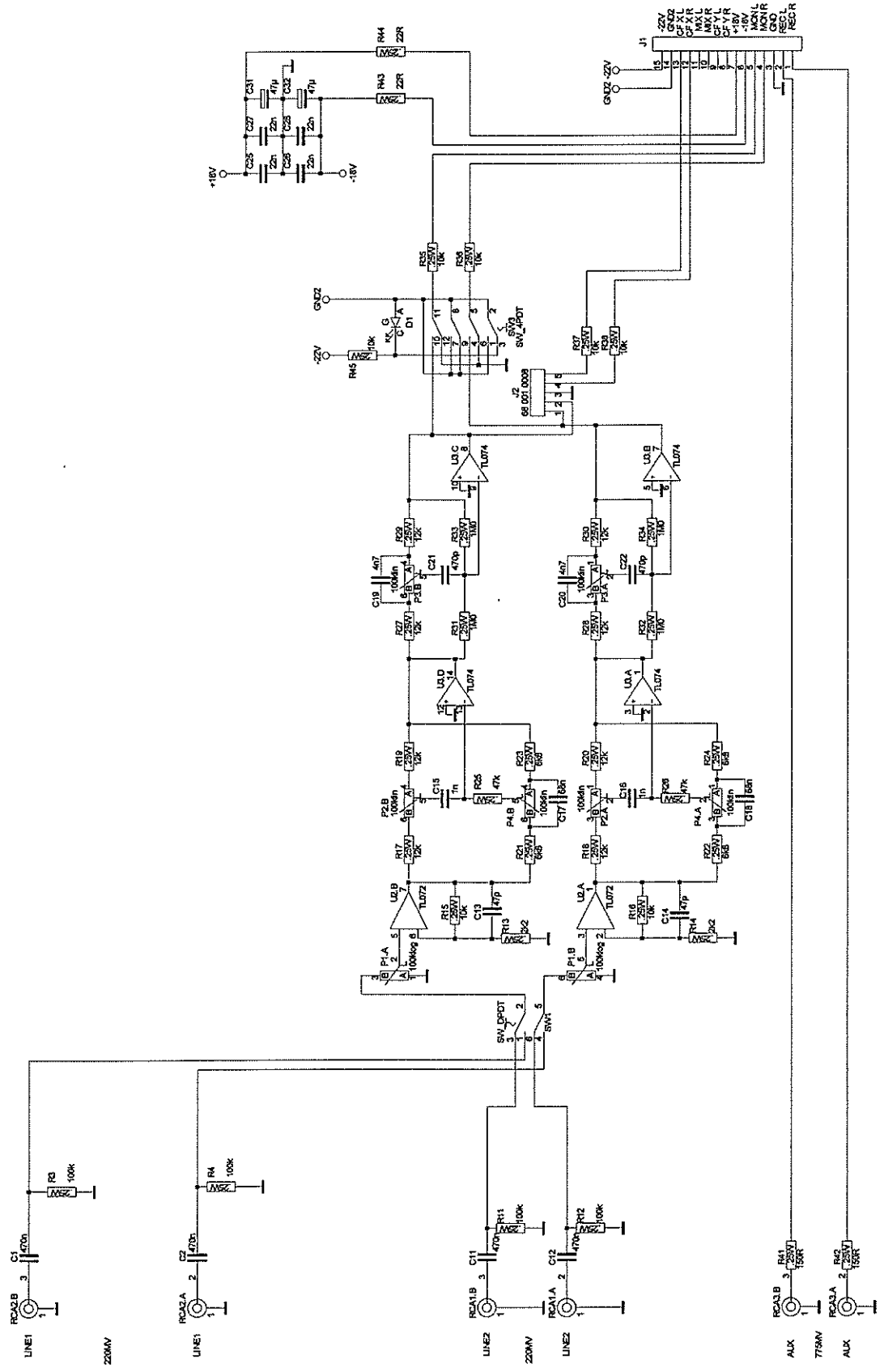
4.2.0. 68 002 0030 Input unit Line/Phono to CF-Y + REC BX9/BX14



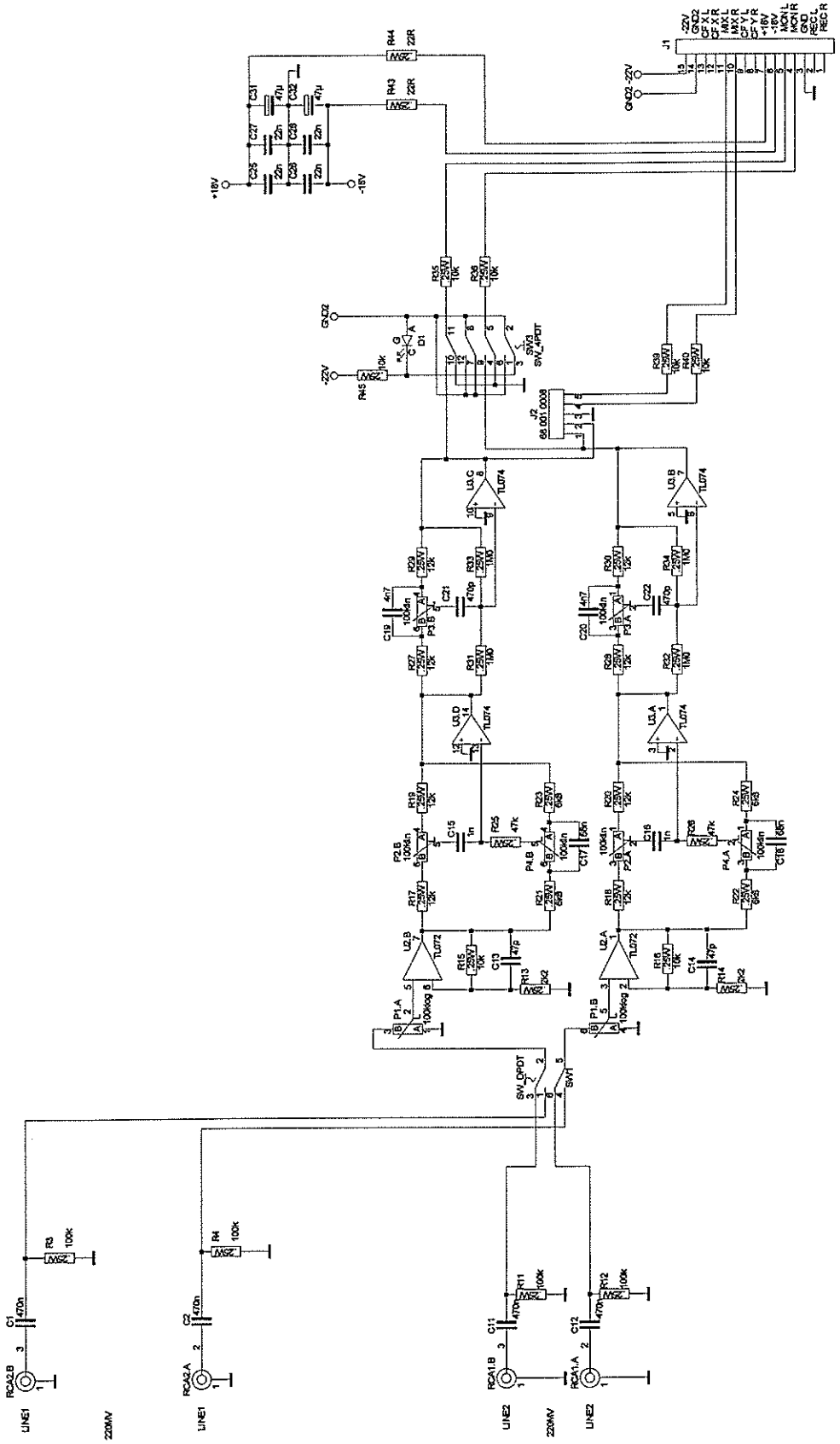
4.3.0. 68 003 0030 Input unit Line/Line to mix + AUX BX9



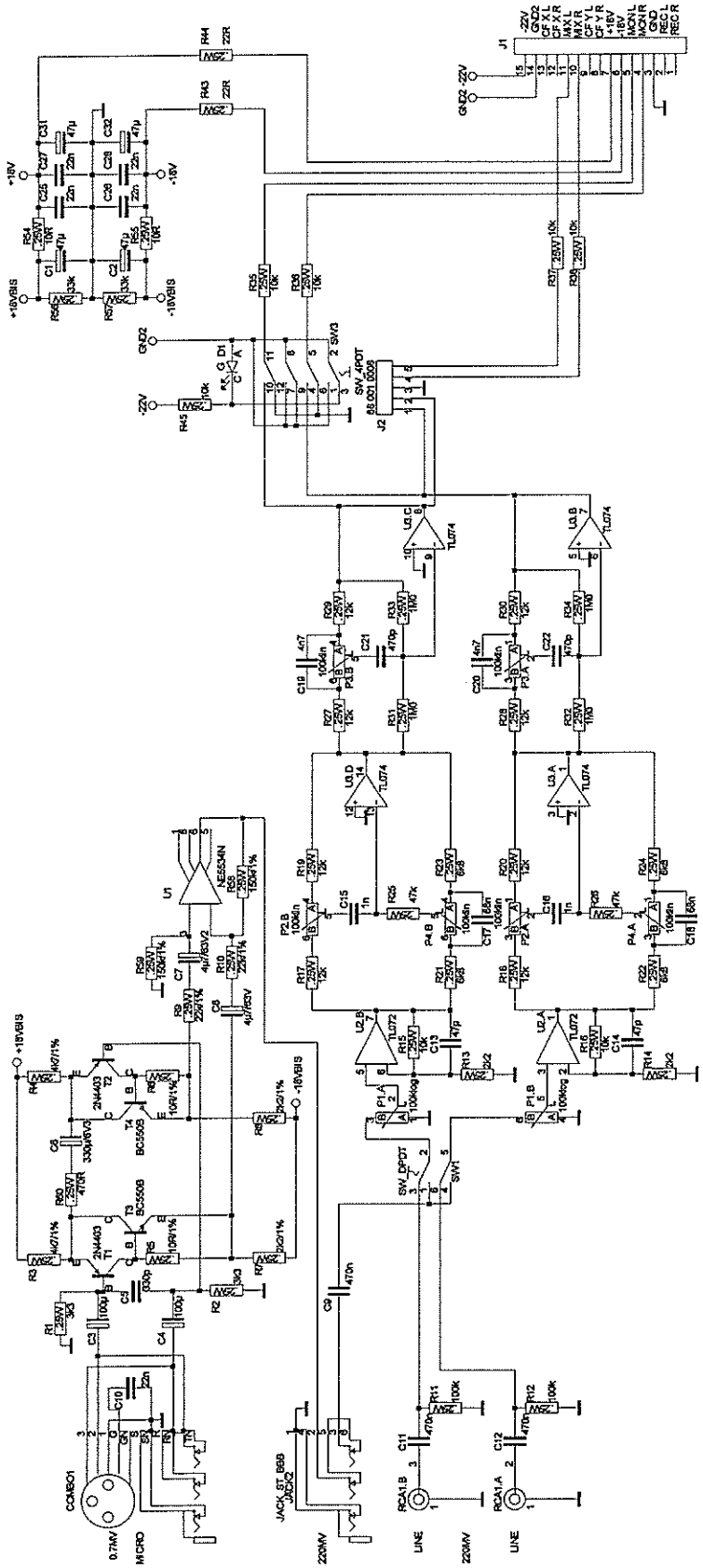
4.4.0. 68 004 0030 Input unit Line/Line to CF-X + AUX BX14



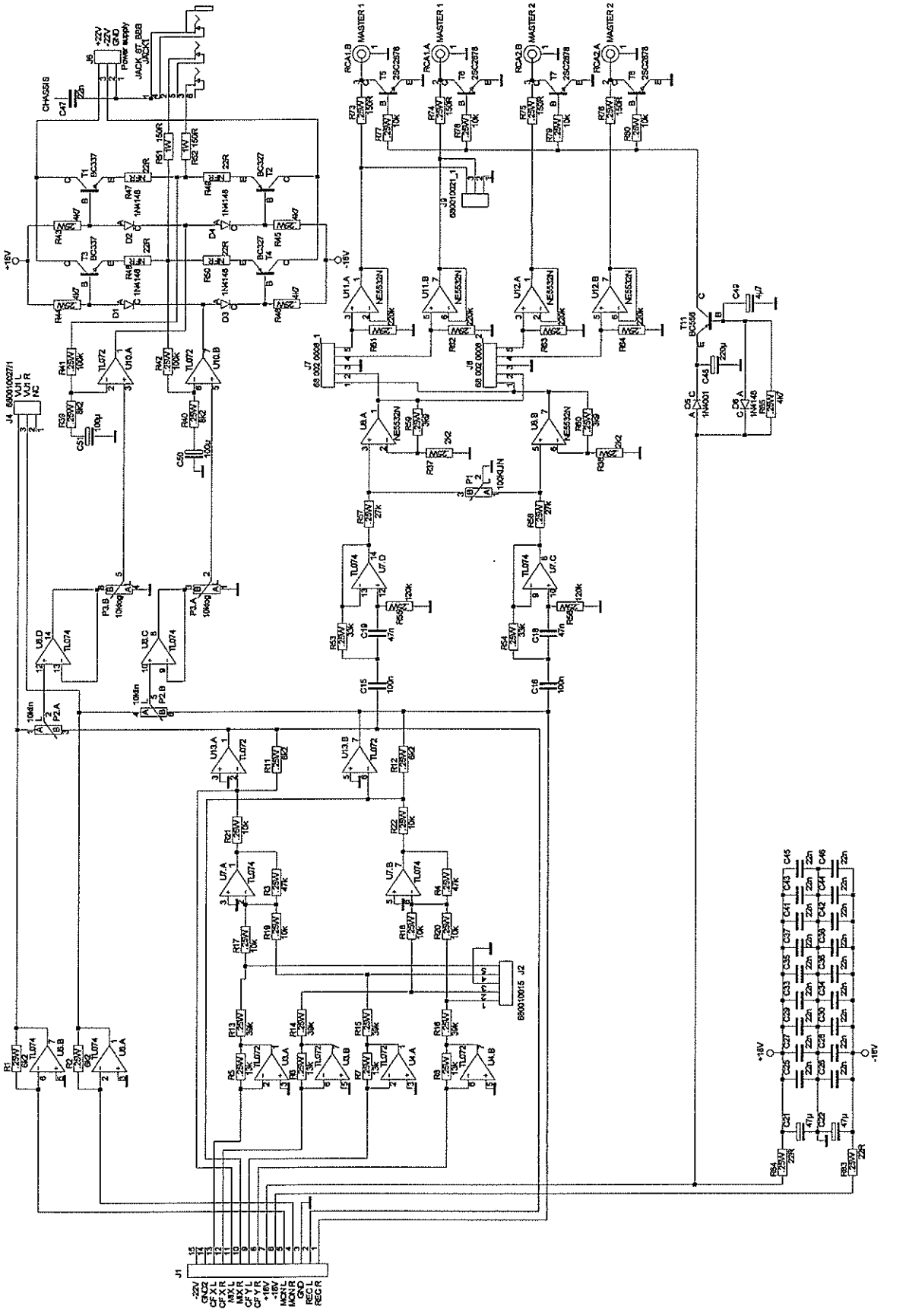
4.5.0. 68 005 0030 Input unit Line/Line to CF-Y BX14



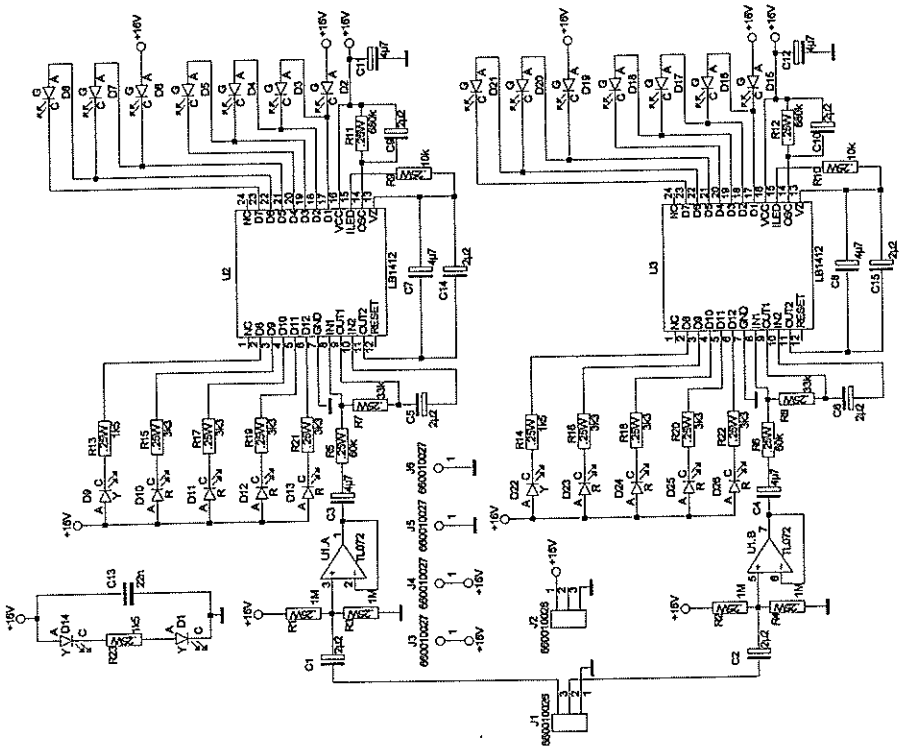
4.6.0. 68 001 0031 Mic line input unit BX9/BX14



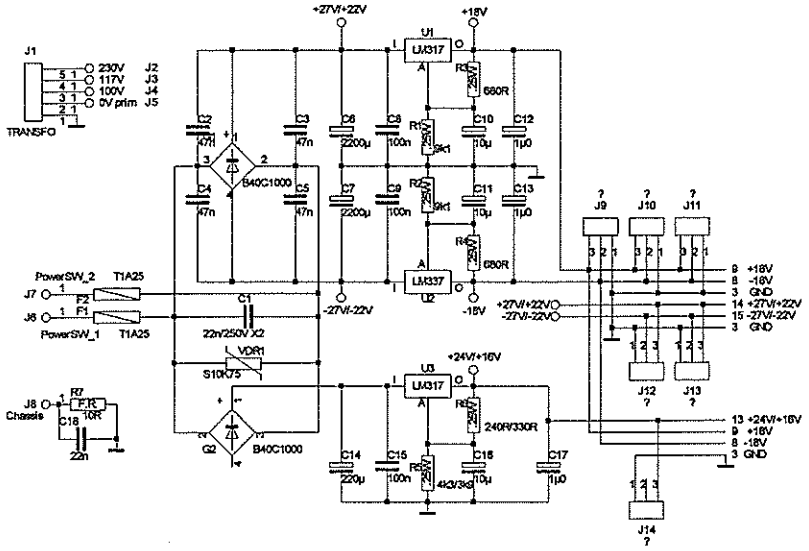
4.7.0. 68 001 0032 Output unit BX9/BX14



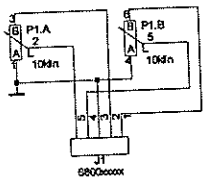
4.8.0. 68 001 0027 LED unit



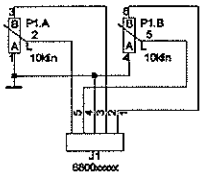
4.9.0. 68 002 0028 Supply unit BX9/BX14



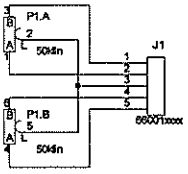
4.10.0. 68 001 0015 Alps crossfader unit



4.11.0. 68 003 0008 Alps fader unit 90° cable=150mm



4.12.0. 68 004 0008 Alps fader unit 90° cable=260mm



5.0.0. PARTS LISTS

5.1.0. 68 001 0030 Input unit Line/Phono to CF-X + REC BX9/BX14

Refdes	Device	Order code	Function
R5, R6	Resistor 330R 0.4W 5%	02 501 0k33	
R41, R42	Resistor 1k0 0.4W 5%	02 501 01k0	
R1, R2, R13, R14	Resistor 2k2 0.4W 5%	02 501 02k2	
R21, R22...R24	Resistor 6k8 0.4W 5%	02 501 06k8	
R15, R16, R35...R38, R45	Resistor 10k 0.4W 5%	02 501 010k	
R17...R20, R27...R30	Resistor 12k 0.4W 5%	02 501 012k	
R9, R10	Resistor 27k 0.4W 5%	02 501 027k	
R3, R4, R25, R26	Resistor 47k 0.4W 5%	02 501 047k	
R11, R12	Resistor 100k 0.4W 5%	02 501 0M10	
R7, R8	Resistor 330k 0.4W 5%	02 501 0M33	
R31...R34	Resistor 1M0 0.4W 5%	02 501 01M0	
R43, R44	Resistor Fuse 22R 0.5W 5%	02 502 022R	
C3, C4	Capacitor ceramic 220p 10%	04 501 0n22	
C21, C22	Capacitor ceramic 470p 10%	04 501 0n47	
C15, C16	Capacitor ceramic 1n0 10%	04 501 01n0	
C9, C10	Capacitor ceramic 2n7 10%	04 501 02n7	
C19, C20	Capacitor ceramic 4n7 10%	04 501 04n7	
C7, C8	Capacitor film 10n/63V 10%	04 502 010n	
C17, C18	Capacitor film 68n/63V 10%	04 502 068n	
C11, C12	Capacitor film 470n/63V 10%	04 502 0µ47	
C5, C6	Capacitor electrolytic 100µ/10V radial	04 504 100µ	
C31, C32	Capacitor electrolytic 47µ/25V radial	04 506 47µ0	
C23...C28	Capacitor multilayer 22n 20%	04 513 022n	
P1	Potmeter Rotative 2x100klog D-shaft 6mm 90°	09 502 0001	Input level
P2, P3, P4	Potmeter Rotative 2x100klin D-shaft 6mm 90°	09 502 0002	Low/Mid/High equalizer
SW3	Switch Push 2x4/90°	11 504 0003	PFL
SW1	Switch Push 2x2/90°	11 504 0004	Input select
U1, U2	IC Dual opamp TL072CP	24 501 0001	
U3	IC Quad opamp TL074CN	24 501 0002	
D1	LED green D=3mm 90°	36 501 0007	
	IC socket DIL 8p	51 501 0002	
	IC socket DIL 14p	51 501 0003	
	Wirejumper 5mm	51 504 0002	
	Wirejumper 10mm	51 504 0003	
RCA1, RCA3	RCA 2pol/90° Ni white/red	57 501 0005	Line input, REC output
RCA2	RCA 2pol/90° Au white/red	57 501 0006	Phono input
J2	Connector lock 5p/0° M	57 505 0001	
J1	Connector 15p/90° M	57 505 0007	
PCB1	Print input BX9/BX14	66 001 0030	

5.2.0. 68 002 0030 Input unit Line/Phono to CF-Y + REC BX9/BX14

Refdes	Device	Order code	Function
R5, R6	Resistor 330R 0.4W 5%	02 501 0k33	
R41, R42	Resistor 1k0 0.4W 5%	02 501 01k0	
R1, R2, R13, R14	Resistor 2k2 0.4W 5%	02 501 02k2	
R21...R24	Resistor 6k8 0.4W 5%	02 501 06k8	
R15, R16, R35, R36, R39, R40, R45	Resistor 10k 0.4W 5%	02 501 010k	
R17, R18, R19, R20, R27...R30	Resistor 12k 0.4W 5%	02 501 012k	
R9, R10	Resistor 27k 0.4W 5%	02 501 027k	
R3, R4, R25, R26	Resistor 47k 0.4W 5%	02 501 047k	
R11, R12	Resistor 100k 0.4W 5%	02 501 0M10	

R7, R8	Resistor 330k 0.4W 5%	02 501 0M33	
R31...R34	Resistor 1M0 0.4W 5%	02 501 01M0	
R43, R44	Resistor Fuse 22R 0.5W 5%	02 502 022R	
C3, C4	Capacitor ceramic 220p 10%	04 501 0n22	
C21, C22	Capacitor ceramic 470p 10%	04 501 0n47	
C15, C16	Capacitor ceramic 1n0 10%	04 501 01n0	
C9, C10	Capacitor ceramic 2n7 10%	04 501 02n7	
C19, C20	Capacitor ceramic 4n7 10%	04 501 04n7	
C7, C8	Capacitor film 10n/63V 10%	04 502 010n	
C17, C18	Capacitor film 68n/63V 10%	04 502 068n	
C11, C12	Capacitor film 470n/63V 10%	04 502 0µ47	
C5, C6	Capacitor electrolytic 100µ/10V radial	04 504 100µ	
C31, C32	Capacitor electrolytic 47µ/25V radial	04 506 47µ0	
C23...C28	Capacitor multilayer 22n 20%	04 513 022n	
P1	Potmeter Rotative 2x100klog D-shaft 6mm 90°	09 502 0001	Input level
P2, P3, P4	Potmeter Rotative 2x100klin D-shaft 6mm 90°	09 502 0002	Low/Mid/High equalizer
SW3	Switch Push 2x4/90°	11 504 0003	PFL
SW1	Switch Push 2x2/90°	11 504 0004	Input select
U1, U2	IC Dual opamp TL072CP	24 501 0001	
U3	IC Quad opamp TL074CN	24 501 0002	
D1	LED green D=3mm 90°	36 501 0007	
	IC socket DIL 8p	51 501 0002	
	IC socket DIL 14p	51 501 0003	
	Wirejumper 5mm	51 504 0002	
	Wirejumper 10mm	51 504 0003	
RCA1, RCA3	RCA 2pol/90° Ni white/red	57 501 0005	Line input, REC output
RCA2	RCA 2pol/90° Au white/red	57 501 0006	Phono input
J2	Connector lock 5p/0° M	57 505 0001	
J1	Connector 15p/90° M	57 505 0007	
PCB1	Print input BX9/BX14	66 001 0030	

5.3.0. 68 003 0030 Input unit Line/Line to mix + AUX BX9

Refdes	Device	Order code	Function
R41, R42	Resistor 150R 0.4W 5%	02 501 0k15	
R13, R14	Resistor 2k2 0.4W 5%	02 501 02k2	
R21...R24	Resistor 6k8 0.4W 5%	02 501 06k8	
R15, R16, R35, R36, R45...R47	Resistor 10k 0.4W 5%	02 501 010k	
R17...R20, R28...R30	Resistor 12k 0.4W 5%	02 501 012k	
R25, R26	Resistor 47k 0.4W 5%	02 501 047k	
R3, R4, R11, R12	Resistor 100k 0.4W 5%	02 501 0M10	
R31...R34	Resistor 1M0 0.4W 5%	02 501 01M0	
R43, R44	Resistor Fuse 22R 0.5W 5%	02 502 022R	
C21, C22	Capacitor ceramic 470p 10%	04 501 0n47	
C15, C16	Capacitor ceramic 1n0 10%	04 501 01n0	
C19, C20	Capacitor ceramic 4n7 10%	04 501 04n7	
C17, C18	Capacitor film 68n/63V 10%	04 502 068n	
C1, C2, C11, C12	Capacitor film 470n/63V 10%	04 502 0µ47	
C31, C32	Capacitor electrolytic 47µ/25V radial	04 506 47µ0	
C25...C28	Capacitor multilayer 22n 20%	04 513 022n	
P1	Potmeter Rotative 2x100klog D-shaft 6mm 90°	09 502 0001	Input level
P2, P3, P4	Potmeter Rotative 2x100klin D-shaft 6mm 90°	09 502 0002	Low/Mid/High equalizer
SW3	Switch Push 2x4/90°	11 504 0003	PFL
SW1	Switch Push 2x2/90°	11 504 0004	Input select
U2	IC Dual opamp TL072CP	24 501 0001	
U3	IC Quad opamp TL074CN	24 501 0002	
D1	LED green D=3mm 90°	36 501 0007	

	IC socket DIL 8p	51 501 0002	
	IC socket DIL 14p	51 501 0003	
	Wirejumper 5mm	51 504 0002	
	Wirejumper 10mm	51 504 0003	
RCA1, RCA2, RCA3	RCA 2pol/90° Ni white/red	57 501 0005	2xLine input, AUX output
J2	Connector lock 5p/0° M	57 505 0001	
J1	Connector 15p/90° M	57 505 0007	
PCB1	Print input BX9/BX14	66 001 0030	

5.4.0. 68 004 0030 Input unit Line/Line to CF-X + AUX BX14

Refdes	Device	Order code	Function
R41, R42	Resistor 150R 0.4W 5%	02 501 0k15	
R13, R14	Resistor 2k2 0.4W 5%	02 501 02k2	
R21...R24	Resistor 6k8 0.4W 5%	02 501 06k8	
R15, R16, R35...R38, R45	Resistor 10k 0.4W 5%	02 501 010k	
R17...R20, R27...R30	Resistor 12k 0.4W 5%	02 501 012k	
R25, R26	Resistor 47k 0.4W 5%	02 501 047k	
R3, R4, R11, R12	Resistor 100k 0.4W 5%	02 501 0M10	
R31...R34	Resistor 1M0 0.4W 5%	02 501 01M0	
R43, R44	Resistor Fuse 22R 0.5W 5%	02 502 022R	
C21, C22	Capacitor ceramic 470p 10%	04 501 0n47	
C15, C16	Capacitor ceramic 1n0 10%	04 501 01n0	
C19, C20	Capacitor ceramic 4n7 10%	04 501 04n7	
C17, C18	Capacitor film 68n/63V 10%	04 502 068n	
C1, C2, C11, C12	Capacitor film 470n/63V 10%	04 502 0µ47	
C31, C32	Capacitor electrolytic 47µ/25V radial	04 506 47µ0	
C25...C28	Capacitor multilayer 22n 20%	04 513 022n	
P1	Potmeter Rotative 2x100klog D-shaft 6mm 90°	09 502 0001	Input level
P2, P3, P4	Potmeter Rotative 2x100klin D-shaft 6mm 90°	09 502 0002	Low/Mid/High equalizer
SW3	Switch Push 2x4/90°	11 504 0003	PFL
SW1	Switch Push 2x2/90°	11 504 0004	Input select
U2	IC Dual opamp TL072CP	24 501 0001	
U3	IC Quad opamp TL074CN	24 501 0002	
D1	LED green D=3mm 90°	36 501 0007	
	IC socket DIL 8p	51 501 0002	
	IC socket DIL 14p	51 501 0003	
	Wirejumper 5mm	51 504 0002	
	Wirejumper 10mm	51 504 0003	
RCA1, RCA2, RCA3	RCA 2pol/90° Ni white/red	57 501 0005	2xLine input, AUX output
J2	Connector lock 5p/0° M	57 505 0001	
J1	Connector 15p/90° M	57 505 0007	
PCB1	Print input BX9/BX14	66 001 0030	

5.5.0. 68 005 0030 Input unit Line/Line to CF-Y BX14

Refdes	Device	Order code	Function
R13, R14	Resistor 2k2 0.4W 5%	02 501 02k2	
R21...R24	Resistor 6k8 0.4W 5%	02 501 06k8	
R15, R16, R35, R36, R39, R40, R45	Resistor 10k 0.4W 5%	02 501 010k	
R17...R20, R27...R30	Resistor 12k 0.4W 5%	02 501 012k	
R25, R26	Resistor 47k 0.4W 5%	02 501 047k	
R3, R4, R11, R12	Resistor 100k 0.4W 5%	02 501 0M10	
R31...R34	Resistor 1M0 0.4W 5%	02 501 01M0	
R43, R44	Resistor Fuse 22R 0.5W 5%	02 502 022R	
C21, C22	Capacitor ceramic 470p 10%	04 501 0n47	
C15, C16	Capacitor ceramic 1n0 10%	04 501 01n0	
C19, C20	Capacitor ceramic 4n7 10%	04 501 04n7	

C17, C18	Capacitor film 68n/63V 10%	04 502 068n	
C1, C2, C11, C12	Capacitor film 470n/63V 10%	04 502 0µ47	
C31, C32	Capacitor electrolytic 47µ/25V radial	04 506 47µ0	
C25...C28	Capacitor multilayer 22n 20%	04 513 022n	
P1	Potmeter Rotative 2x100klog D-shaft 6mm 90°	09 502 0001	Input level
P2, P3, P4	Potmeter Rotative 2x100klin D-shaft 6mm 90°	09 502 0002	Low/Mid/High equalizer
SW3	Switch Push 2x4/90°	11 504 0003	PFL
SW1	Switch Push 2x2/90°	11 504 0004	Input select
U2	IC Dual opamp TL072CP	24 501 0001	
U3	IC Quad opamp TL074CN	24 501 0002	
D1	LED green D=3mm 90°	36 501 0007	
	IC socket DIL 8p	51 501 0002	
	IC socket DIL 14p	51 501 0003	
	Wirejumper 5mm	51 504 0002	
	Wirejumper 10mm	51 504 0003	
RCA1, RCA2	RCA 2pol/90° Ni white/red	57 501 0005	2xLine input
J2	Connector lock 5p/0° M	57 505 0001	
J1	Connector 15p/90° M	57 505 0007	
PCB1	Print input BX9/BX14	66 001 0030	

5.6.0. 68 001 0031 Mic line input unit BX9/BX14

Refdes	Device	Order code	Function
R60	Resistor 470R 0.4W 5%	02 501 0k47	
R13, R14	Resistor 2k2 0.4W 5%	02 501 02k2	
R&, R2	Resistor 3k3 0.4W 5%	02 501 03k3	
R21...R24	Resistor 6k8 0.4W 5%	02 501 06k8	
R15, R16, R35...R38, R45	Resistor 10k 0.4W 5%	02 501 010k	
R17...R20, RR27...R30	Resistor 12k 0.4W 5%	02 501 012k	
R56, R57	Resistor 33k 0.4W 5%	02 501 033k	
R25, R26	Resistor 47k 0.4W 5%	02 501 047k	
R11, R12	Resistor 100k 0.4W 5%	02 501 0M10	
R31...R34	Resistor 1M0 0.4W 5%	02 501 01M0	
R54, R55	Resistor Fuse 10R 0.5W 5%	02 502 010R	
R43, R44	Resistor Fuse 22R 0.5W 5%	02 502 022R	
R5, R6	Resistor 10R0 0.6W 1%	02 503 10R0	
R7, R8	Resistor 2k20 0.6W 1%	02 503 2k20	
R3, R4	Resistor 4k70 0.6W 1%	02 503 4k70	
R9, R10	Resistor 22k0 0.6W 1%	02 503 22k0	
R58, R59	Resistor 150k 0.6W 1%	02 503 0M15	
C5	Capacitor ceramic 330p 10%	04 501 0n33	
C21, C22	Capacitor ceramic 470p 10%	04 501 0n47	
C15, C16	Capacitor ceramic 1n0 10%	04 501 01n0	
C19, C20	Capacitor ceramic 4n7 10%	04 501 04n7	
C17, C18	Capacitor film 68n/63V 10%	04 502 068n	
C9, C11, C12	Capacitor film 470n/63V 10%	04 502 0µ47	
C3, C4	Capacitor electrolytic 100µ/10V radial	04 504 100µ	
C1, C2, C31, C32	Capacitor electrolytic 47µ/25V radial	04 506 47µ0	
C7, C8	Capacitor electrolytic 4µ7/63V radial	04 509 4µ70	
C25...C28	Capacitor multilayer 22n 20%	04 513 022n	
C6	Capacitor electrolytic 330µ/6.3V radial	04 518 0m33	
P1	Potmeter Rotative 2x100klog D-shaft 6mm 90°	09 502 0001	Input level
P2, P3, P4	Potmeter Rotative 2x100klin D-shaft 6mm 90°	09 502 0002	Low/Mid/High equalizer
SW3	Switch Push 2x4/90°	11 504 0003	PFL
SW1	Switch Push 2x2/90°	11 504 0004	Input select
T3, T4	Transistor BC550B	19 501 0004	

T1, T2	Transistor 2N4403	19 502 0005	
U2	IC Dual opamp TL072CP	24 501 0001	
U3	IC Quad opamp TL074CN	24 501 0002	
U1	IC Opamp NE5534N	24 501 0004	
D1	LED green D=3mm 90°	36 501 0007	
	IC socket DIL 8p	51 501 0002	
	IC socket DIL 14p	51 501 0003	
	Wirejumper 5mm	51 504 0002	
	Wirejumper 10mm	51 504 0003	
RCA1	RCA 2pol/90° Ni white/red	57 501 0005	Line input
COMBO1	COMBO XLR-JACK 6p??? 90°	57 502 0006	Microphone input
JACK2	JACK STEREO 90°/6.35mm small	57 503 0002	Insert
J2	Connector lock 5p/0° M	57 505 0001	
J1	Connector 15p/90° M	57 505 0007	
PCB1	Print mic line input BX9/BX14	66 001 0031	

5.7.0. 68 001 0032 Output unit BX9/BX14

Refdes	Device	Order code	Function
R47...R50	Resistor 22R 0.4W 5%	02 501 022R	
R73...R76	Resistor 150R 0.4W 5%	02 501 0k15	
R37, R38	Resistor 2k2 0.4W 5%	02 501 02k2	
R59, R60	Resistor 3k9 0.4W 5%	02 501 03k9	
R43...R64, R85	Resistor 4k7 0.4W 5%	02 501 04k7	
R1, R2, R11, R12	Resistor 6k2 0.4W 5%	02 501 06k2	
R39, R40	Resistor 8k2 0.4W 5%	02 501 08k2	
R17...R22, R77...R80	Resistor 10k 0.4W 5%	02 501 010k	
R5...R8	Resistor 13k 0.4W 5%	02 501 013k	
R57, R58	Resistor 27k 0.4W 5%	02 501 027k	
R53, R54	Resistor 33k 0.4W 5%	02 501 033k	
R13...R16	Resistor 39k 0.4W 5%	02 501 039k	
R3, R4	Resistor 47k 0.4W 5%	02 501 047k	
R41, R42	Resistor 100k 0.4W 5%	02 501 0M10	
R55, R56	Resistor 120k 0.4W 5%	02 501 0M12	
R61...R64	Resistor 220k 0.4W 5%	02 501 0M22	
R83, R84	Resistor Fuse 22R 0.5W 5%	02 502 022R	
R51, R52	Resistor 150R 1W 5%	02 505 0k15	
C18, C19	Capacitor film 47n/63V 10%	04 502 047n	
C15, C16	Capacitor film 100n/63V 10%	04 502 0µ10	
C50, C51	Capacitor electrolytic 100µ/10V radial	04 504 100µ	
C21, C22	Capacitor electrolytic 47µ/25V radial	04 506 47µ0	
C48	Capacitor electrolytic 220µ/35V radial	04 507 220µ	
C49	Capacitor electrolytic 4µ7/63V radial	04 509 4µ70	
C25...C30, C33...C38, C41...C47	Capacitor multilayer 22n 20%	04 513 022n	
P3	Potmeter Rotative 2x20klog D-shaft 6mm 90°	09 502 0003	Phones level
P1	Potmeter Rotative 1x100klin D-shaft 6mm 90°	09 502 0004	Balance
P2	Potmeter Rotative 2x10klin D-shaft 6mm 90°	09 502 0010	Phones select
D1...D4, D6	Diode 1N4148	16 501 0002	
D5	Diode 1N4001	16 501 0003	
T1, T3	Transistor BC337	19 501 0002	
T5...T8	Transistor 2SC2878	19 501 0003	
T2, T4	Transistor BC327	19 502 0003	
T11	Transistor BC556A (of BC556B)	19 502 0004	
U3, U4, U10, U13	IC Dual opamp TL072CP	24 501 0001	
U6, U7	IC Quad opamp TL074CN	24 501 0002	
U8, U11, U12	IC Dual opamp NE5532AP	24 501 0003	
	IC socket DIL 8p	51 501 0002	
	IC socket DIL 14p	51 501 0003	

RCA1, RCA2	RCA 2pol/90° Ni white/red	57 501 0005	Master 1 output, Master 2 output
JACK1	JACK STEREO 90°/6.35mm metal	57 503 0001	Phones output
J6	Flatcable 3p 220mm 2,54mm 26AWG 1con	57 504 0010	
J2, J7, J8	Connector lock 5p/0° M	57 505 0001	
J4, J9	Connector lock 3p/0° M	57 505 0002	
J1	Connector 15p/90° M	57 505 0007	
PCB1	Print output BX9/BX14	66 001 0032	

5.8.0. 68 001 0027 LED unit

Refdes	Device	Order code	Function
R13, R14, R23	Resistor 1k50 0.125W 1%	02 001 1k50	
R15...R22	Resistor 3k30 0.125W 1%	02 001 3k30	
R9, R10	Resistor 10k0 0.125W 1%	02 001 10k0	
R7, R8	Resistor 33k0 0.125W 1%	02 001 33k0	
R5, R6	Resistor 62k0 0.125W 1%	02 001 62k0	
R11, R12	Resistor 680k 0.125W 1%	02 001 680k	
R1...R4	Resistor 1M00 0.125W 1%	02 001 1M00	
C1, C2, C5, C6, C9, C10, C14, C15	Capacitor electrolytic 2µ2/50V	04 002 2µ20	
C3, C4, C7, C8, C11, C12	Capacitor electrolytic 4µ7/35V	04 003 4µ70	
C13	Capacitor 22n 50V 10%	04 004 22n0	
U1	IC Dual opamp TL072CD	24 001 0001	
U2, U3	IC LB1412	24 003 0001	
D10...D13, D23...D26	LED red D=3mm	36 501 0004	
D2...D8, D15...D21	LED green D=3mm	36 501 0005	
D1, D9, D14, D22	LED yellow D=3mm	36 501 0006	
J2	Flatcable 3p 150mm 2,54mm 26AWG 1con	57 504 0006	
J1	Flatcable 3p 220mm 2,54mm 26AWG 1con	57 504 0010	
PCB1	Print LED BX9/BX14/CX1100	66 001 0027	

5.9.0. 68 002 0028 Supply unit BX9/BX14

Refdes	Device	Order code	Function
R7	Resistor Fuse 10R 0.5W 5%	02 502 010R	
R6	Resistor 330R 0.6W 1%	02 503 330R	
R3, R4	Resistor 680R 0.6W 1%	02 503 680R	
R5	Resistor 3k90 0.6W 1%	02 503 3k90	
R1, R2	Resistor 9k10 0.6W 1%	02 503 9k10	
VDR1	Varistor SIOV S10K75	02 504 0003	
C2...C5	Capacitor film 47n/63V 10%	04 502 047n	
C14	Capacitor electrolytic 220µ/35V radial	04 507 220µ	
C6, C7	Capacitor electrolytic 2200µ/35V radial	04 511 2m20	
C1	Capacitor polyester 22n 275V MKT X2	04 512 22n0	
C18	Capacitor multilayer 22n	04 513 022n	
C8, C9, C15	Capacitor multilayer 100n	04 513 0m10	
C12, C13, C17	Capacitor tantaal 1µ0/35V 20%	04 517 1µ00	
C10, C11, C16	Capacitor tantaal 10µ/35V 20%	04 517 10µ0	
G1	Bridge rect. 1A	16 502 0002	
U1, U3	PVR adjustable LM317T	24 502 0004	
U2	NVR adjustable LM337T	24 502 0006	
F1, F2	Fuse T1A25 5x20mm	48 001 1A25	
	Fuseholder print 5x20	51 503 0001	
	Heatsink 27x38	19727	
J9...J14	Connector lock 3p/0° M	57 505 0002	
J1	Connector PCB Transfo 5p	57 510 0010	
J6, J7	Power switch cable 80mm with Faston 4.8mm	57 510 0012	
PCB1	Print supply CX1100 / MX180/240/300 MKIII	66 001 0028	
	Bold M3x8	71 001 0012	

	Nut M3 brass	71 002 0001	
	Lock washer M3	71 004 0001	

5.10.0. 68 001 0015 Alps crossfader unit

Refdes	Device	Order code	Function
P1	Fader 45mm 2x50klin with center detent	09 503 0002	Crossfader
J1	Flatcable 5p 260mm 2,54mm 26AWG 1con	57 504 0004	
PCB1	Print Alps CF 45mm	66 001 0015	

5.11.0. 68 003 0008 ALPS fader unit 90° cable=150mm

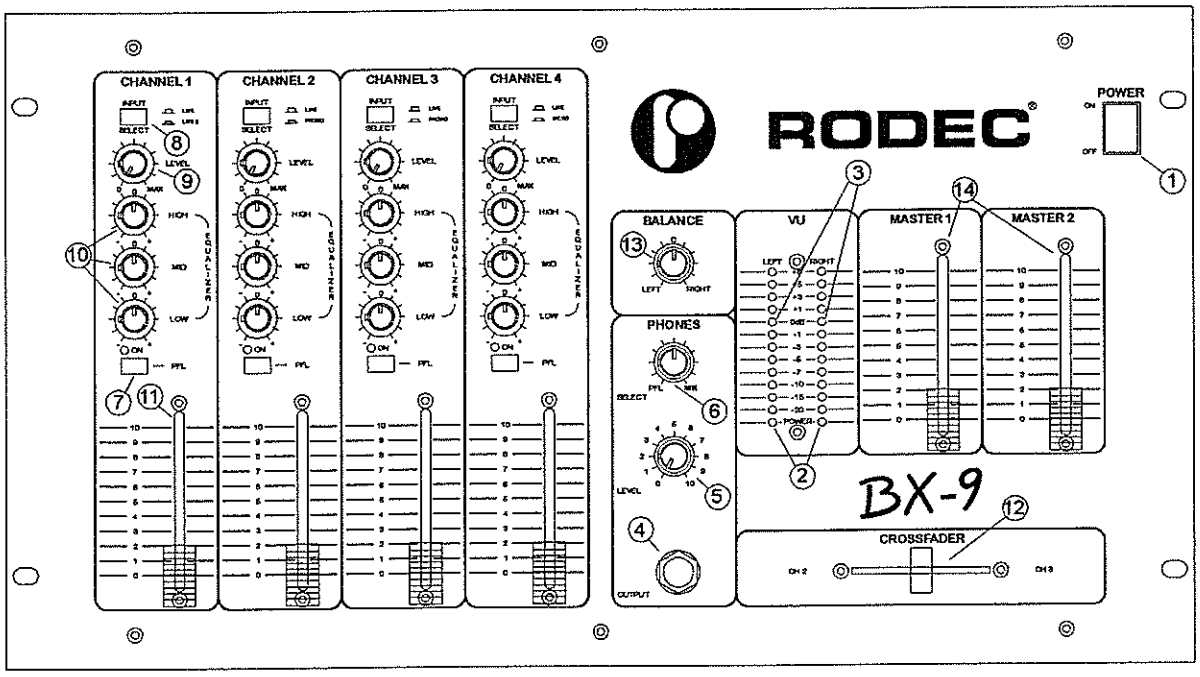
Refdes	Device	Order code	Function
P1	Fader 60mm 2x10klog 90° T-shaft	09 503 0005	Channel fader
J1	Flatcable 5p 150mm 2,54mm 26AWG 1con	57 504 0003	
PCB1	Print Alps fader 60mm	66 002 0008	

5.12.0. 68 004 0008 ALPS fader unit 90° cable=260mm

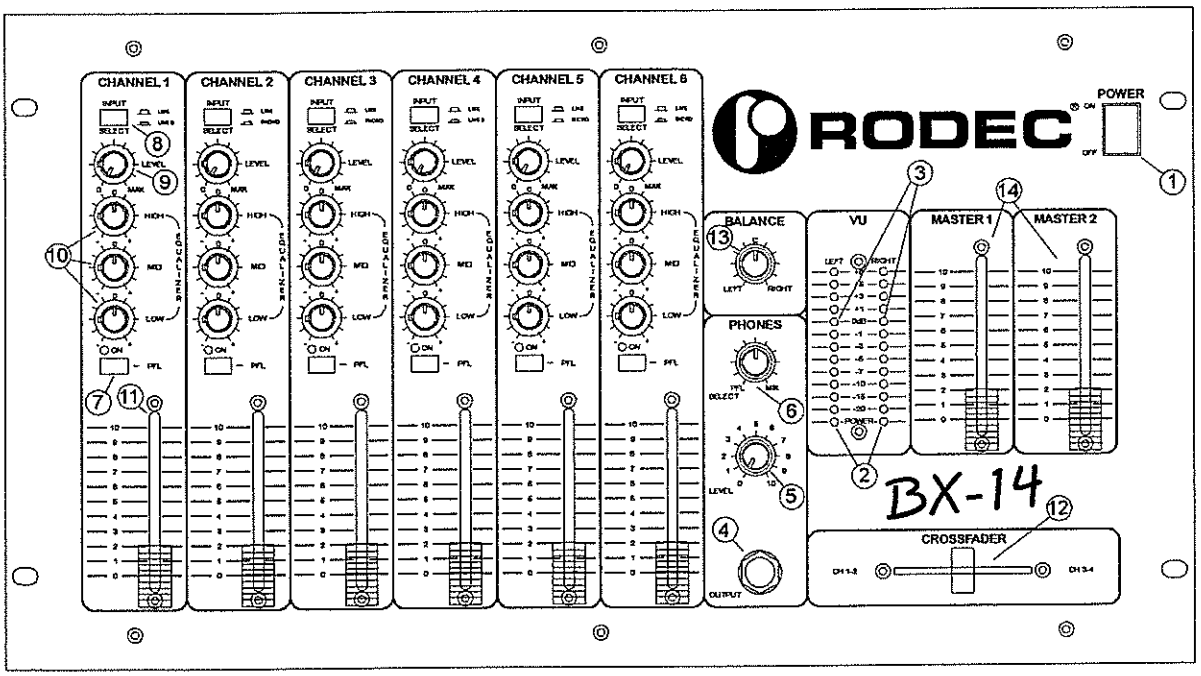
Refdes	Device	Order code	Function
P1	Fader 60mm 2x10klog 90° T-shaft	09 503 0005	Master fader
J1	Flatcable 5p 260mm 2,54mm 26AWG 1con	57 504 0004	
PCB1	Print Alps fader 60mm	66 002 0008	

6.0.0. Parts discription

6.1.0. Front view BX-9



6.2.0. Front view BX-14

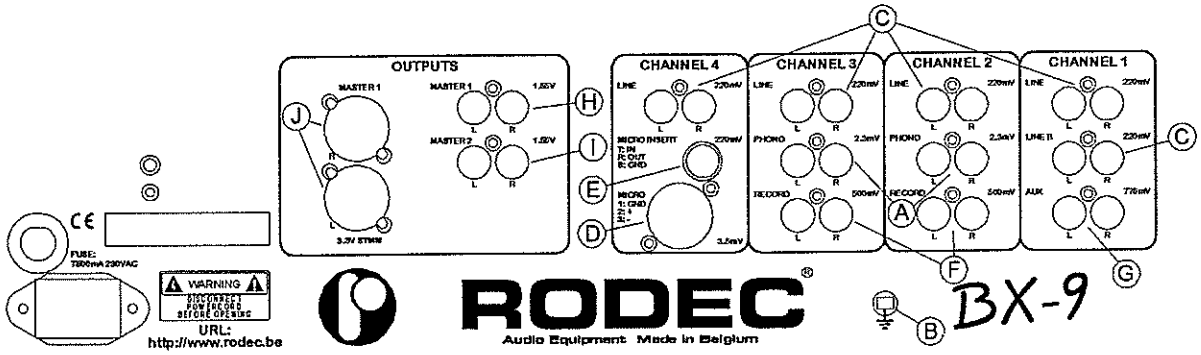


6.3.0. Front part order numbers BX-9 / BX-14

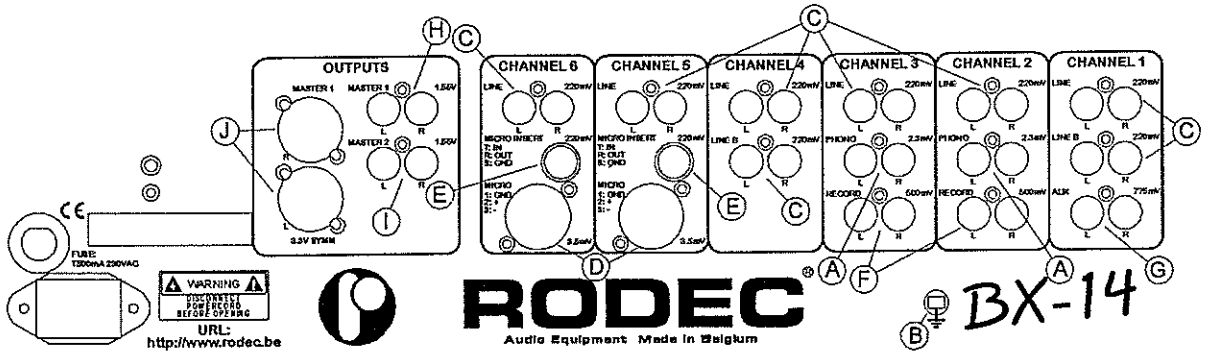
Number	Device	Order code	Function
1	Switch Rocker 2x2 black body red rocker	11 503 0001	Powerknob red
2+3	LED red D=3mm	36 501 0004	LED red
2+3	LED green D=3mm	36 501 0005	LED yellow
2+3	LED yellow D=3mm	36 501 0006	LED green
4	JACK STEREO 90°/6.35mm metal	57 503 0001	Phones output connector
5	Potmeter Rotative 2x20klog D-shaft 6mm	09 502 0003	Phones level potentiometer
5	Knob RODEC Soft Black/White 12mm 180°/12	63 001 0027	Knob black-white

6	Potmeter Rotative 2x10klin D-shaft 6mm 90°	09 502 0010	Phones select potentiometer
6	Knob RODEC Soft Black/White 12mm 180°/12	63 001 0027	Knob black-white
7	Switch Push 2x4/90°	11 504 0003	Channel PFL switch
7	Pushknob Rectangle black 5,5x10	63 004 0003	
8	Switch Push 2x2/90°	11 504 0004	Input select switch
8	Pushknob Rectangle black 5,5x10	63 004 0003	
9	Potmeter Rotative 2x100klog D-shaft 6mm	09 502 0001	Channel input level potentiom.
9	Knob RODEC Soft Black/Red 10mm 180°/12	63 001 0022	Knob black-red
10	Potmeter Rotative 2x100klin D-shaft 6mm	09 502 0002	Equalizer potentiometer
10	Knob RODEC Soft Black/Grey 10mm 180°/12	63 001 0023	Knob black-grey
11	Alps fader unit 90° cable=150mm	68 003 0008	Channel fader
11	Knob Soft touch Black/White	63 003 0001	Fader knob black-white
12	Alps crossfader unit	68 001 0015	Crossfader
12	Knob Black shaft=1.2x4	63 003 0002	Crossfader knob black
13	Potmeter Rotative 1x100klin D-shaft 6mm 90°	09 502 0004	Balance
13	Knob RODEC Soft Black/Yellow 12mm 180°/12	63 001 0037	
14	Alps fader unit 90° cable=260mm	68 004 0008	Master faders
14	Knob Soft touch Black/White	63 003 0001	Fader knob black-white
BX-9	Frontplate BX-9		Frontplate
BX-14	Frontplate BX-14		Frontplate

6.4.0. Back view BX-9



6.5.0. Back view BX-14



6.6.0. Back part order numbers BX-9 / BX-14

Number	Device	Order code	Function
A	RCA 2pol/90° Au white/red	57 501 0006	RCA phono input
B	Earth terminal	57 510 0001	Earth connector
C	RCA 2pol/90° Ni white/red	57 501 0005	RCA line inputs
D	COMBO XLR-JACK 6p 90°	57 502 0006	XLR-JACK mic input
E	JACK STEREO 90°/6.35mm small	57 503 0002	JACK DJ mic insert
F	RCA 2pol/90° Ni white/red	57 501 0005	RCA record output
G	RCA 2pol/90° Ni white/red	57 501 0005	RCA aux output
H + I	RCA 2pol/90° Ni white/red	57 501 0005	RCA outp. master 1 + 2
J	Hole plug 24mm black	74 006 0009	Hole plug
K	Fuse holder	51 503 0002	Fuse holder
K	Fuse T500mA 5x20mm	48 001 500m	Fuse T500mA
L	Mains filter 1A	57 508 0001	Power inlet
BX-9	Connectionpanel BX-9	74 002 0005	Backpanel
BX-14	Connectionpanel BX-14	74 002 0006	Backpanel