

LTOCOMP

/



www.altoproaudio.com

- -



ON:
OFF:

WARNING:

CAUTION:

(Fuse)

LTO LTOCOPM -
LTO AUDIO TEAM.

LTO

Sound Processor)

(DSP, Digital
7

LTO AUDIO

LTOCOPM -

CD

()

LTOCOPM

LTO.

LTO AUDIO

1.		.....	4
2.		.....	4
3.		.....	4
3.1			
	a.		
	b.		
3.2		(/)	
	a.		
	b.	MIDI	
	.		
4.		&	.....5
4.1			
	a.		
	b.		
4.2			
	a.		
4.3.			
	a.		
	b.		
	.		
	-		
	-		
5.		.....	7
6.		.....	8
6.1		(Stereo AGC)	
6.2			
6.3		2-	
6.4		2-	
	a.	agc pure	
	b.	acoustic	
	c.	master	
	d.	clean	
	e.	dance	
	f.	kick drum	
	g.	mixdown	
	h.	jumping up	
6.5			
7.		.....	11
8.		.....	14
8.1		EDIT ()	
8.2		Utility ()	
9.	MIDI	.....	15
10.		.....	16

1.

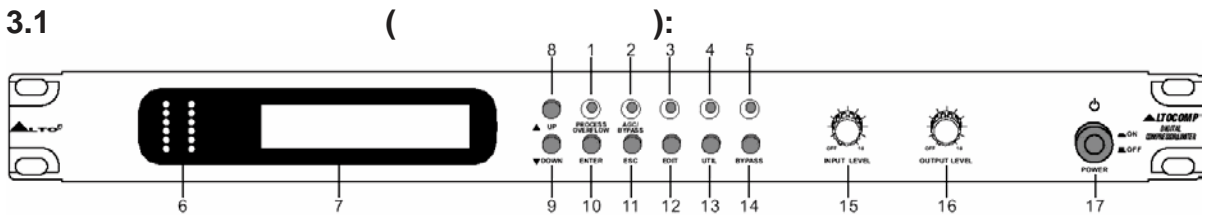
LTO LTOCOMP, 8 LTO LTOCOMP 8 AGC, 64 64. 8 CD () LTO LTOCOMP, LTO AUDIO.

2.

• 24/32 / (Digital Saturation) (SMT) ISO9001

3.

3.1



- 1. (Digital Overflow)
- 2. AGC
- 3. Edit
- 4. Utility
- 5. Bypass
- 6. Vu- (; **VU-** **AGC** () «dB»
AGC. **Vu-** -6dB, **Comp** () (, clip)
- 7. - (20 2)
- 8. Up ()
- 9. Down ()
- 10. Enter
- 11. Esc
- 12. Edit ()
- 13. Utility ()
- 14. Bypass ()
- 15.
- 16.
- 17. Power ()

- 3/4 75%

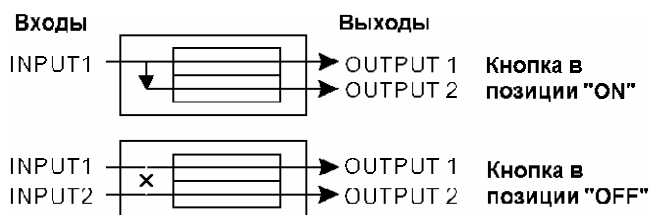
Digital Saturation

LTOCOMP
(
LTOCOMP

(Output).

4.3

LTOCOMP **Mono**
INPUT 1
ON/OFF («ON»).
INPUT 2.



Mono

«OFF».

LTOCOMP

ON/OFF

«ON».

INPUT 1

Mono

b.

LTOCOMP

LTOCOMP

LTOCOMP

LTOCOMP

c.

LTOCOMP

XLR

XLR,

МОНО.

Mono ON/OFF

«ON».

INPUT 1 LTOCOMP,
OUTPUT 1 OUTPUT 2 LTOCOMP

LTOCOMP,

OUTPUT 1

OUTPUT 2

LTOCOMP

INPUT 1

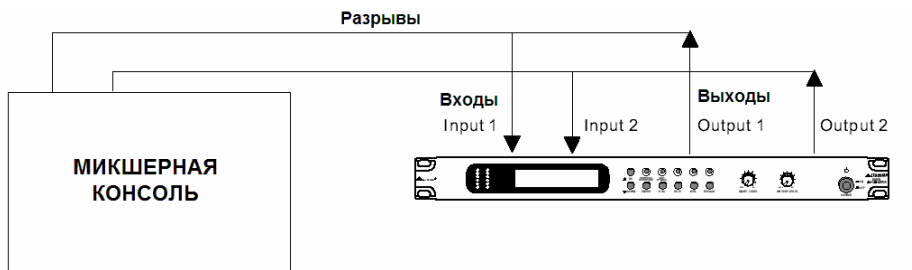
INPUT 2



LTOCOMP

« »

LTOCOMP



Insert

«Y» () LTOCOMP
 TRS ()
 -XLR LTOCOMP.
 LTOCOMP
 LTOCOMP

5.

LTOCOMP,
 STORE,
 UTILITY.
 UTILITY,
 UTILITY
Utility (13):
 LTOCOMP
 UTILITY
 Utility ()
 Utility (4) = ()
(Load Preset):
 64 (1- 64) 64 (65 -
 (Empty).
 128).
 :
 up/down "Load Preset".
 enter
 up/down
 enter **esc,**
(Store Preset):
 64 ()
 64
 64
 EDIT),

:
 up/down " Store Preset".
 enter
 up/down ()
 esc, enter
 6
 up/down.
 enter,
 esc
 esc

MIDI Setup: MIDI- LTOCOMP.
 MIDI
 • MIDI- (MIDI Channel): LTOCOMP MIDI- « » MIDI-
 MIDI- MIDI CHANNEL = OFF, LTOCOMP
 • MIDI- (MIDI Output): MIDI- ON ECHO MIDI- ()
 MIDI-)
(Output Attenuation) –

Bypass (14): LTOCOMP
 (Bypass (5) =), "bypass"

Up/Down (8/9):

Enter/Esc (10/11): () () ,

Edit (12): EDIT (Edit (3)).
 Edit
 (1)
 64

VU-meter: AGC. vu- (6)

Bypass AGC (2) AGC (AGC Bypass = ON).

6.

6.1

(Stereo AGC)

LTOCOMP
 (Automatic Gain Control, AGC),

() ()

« » LTOCOMP
 « »

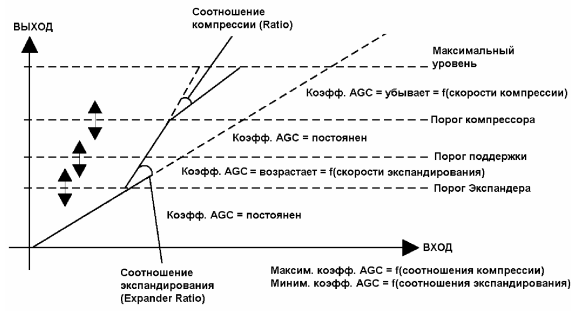
().

1. **(Expander Speed):**

Threshold), (Expander 0 dB.

2. **(Compressor Speed):**

()
 (Compressor Threshold).
 0 dB.



3.

(Expander Threshold):

4.

(Compressor Threshold):

5.

(Hold Threshold):

6.

(Max):

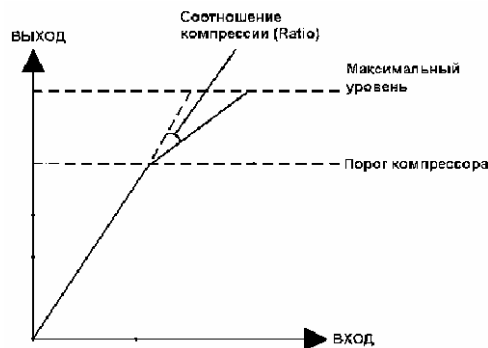
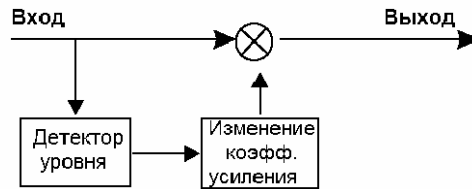
7.

(Min):

AGC =

AGC

6.2



() .

45

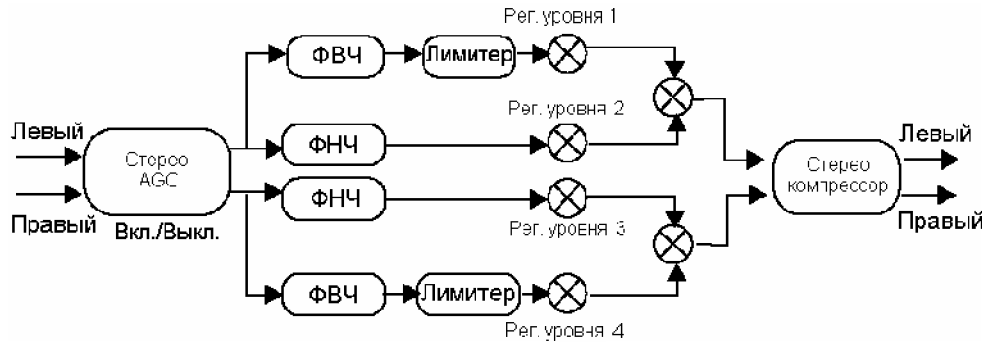
« () » () .

6.3

2-

(Stereo 2 Bands Compressor)

« 2 " - " »
 ()
 LTOCOMP ()
 « »



CD

6.4

2-

a. agc pure

« ».

b. acoustic

()

c. master

d. clean

« », « »

e. dance

« »

f. kick drum

g. mixdown

Clean,

double bass,

h. jumping up

Clean

Clean.

6.5

		+/- 12	0,5
	(AGC):		
	(Expander speed):	1 / 319	/
	(Compressor speed):	1 / 319	/
	(Expander threshold):	-70 / -20	
	(Compressor threshold):	-30 / 0	
	(Hold threshold):	-50 / -1	
	(Expansion ratio):	1:1, ..., 1:4	
	(Compression ratio):	1:1, ..., 16:1	
		20 / 20	1/3
		0/-12	0,5
		+/- 12	0,5
		+/- 12	0,5
		-55 / 0	0,5
		1/2001	20 /
		1/501	5 /
		1:1, ..., 16:1	
		+/- 12	0,5

7.

		Agc	Agc	Agc	Agc	Agc	Agc	Agc	Agc									
Master 1	-3	ON	-	-	-	-	-	-	-	2500	-2	2	6,5	-3	20	65	4:1	3
Master 2	0	OFF	20	70	-54	-4	-8	1:2	4:1	2500	-2	2	6,5	-3	20	15	4:1	3
Master 3	0	OFF	10	5	-32	-7	-8	1:2	4:1	2500	-2	2	6,5	-6	20	5	4:1	6
Master 4	0	OFF	30	65	-40	-5	-8	1:2	4:1	2500	-2	2	6,5	-4	20	10	4:1	4
Master 5	0	OFF	10	60	-38	-6	-8	1:2	4:1	2500	-2	2	6,5	-5	40	5	4:1	5
Master 6	0	OFF	10	10	-42	-6	-8	1:2	4:1	2500	-2	2	6,5	-6	40	15	4:1	6
Master 7	0	OFF	10	65	-47	-7	-8	1:2	4:1	2500	-2	2	6,5	-12	80	65	2:1	11,5
Master 8	0	OFF	60	80	-45	-7	-8	1:2	4:1	2500	-2	2	6,5	-12	80	65	2:1	11,5
Master 10	0	OFF	20	70	-54	-4	-8	1:2	4:1	630	-2	2	-4,5	-4	60	10	4:1	4
Master 11	0	OFF	10	5	-32	-7	-8	1:2	4:1	630	-2	2	-4,5	-6	20	20	4:1	6
Master 12	0	OFF	30	65	-40	-5	-8	1:2	4:1	630	-2	2	-4,5	-4	40	40	4:1	4
Master 13	0	OFF	10	60	-38	-6	-8	1:2	4:1	630	-2	2	-4,5	-5	60	5	4:1	5
Master 14	0	OFF	10	10	-42	-6	-8	1:2	4:1	630	-2	2	-4,5	-6	40	30	4:1	6
Master 15	0	OFF	10	65	-47	-7	-8	1:2	4:1	630	-2	2	-4,5	-8	40	65	2:1	9
Master 16	0	OFF	60	80	-45	-7	-8	1:2	4:1	630	-2	2	-4,5	-12	80	75	2:1	10

7.

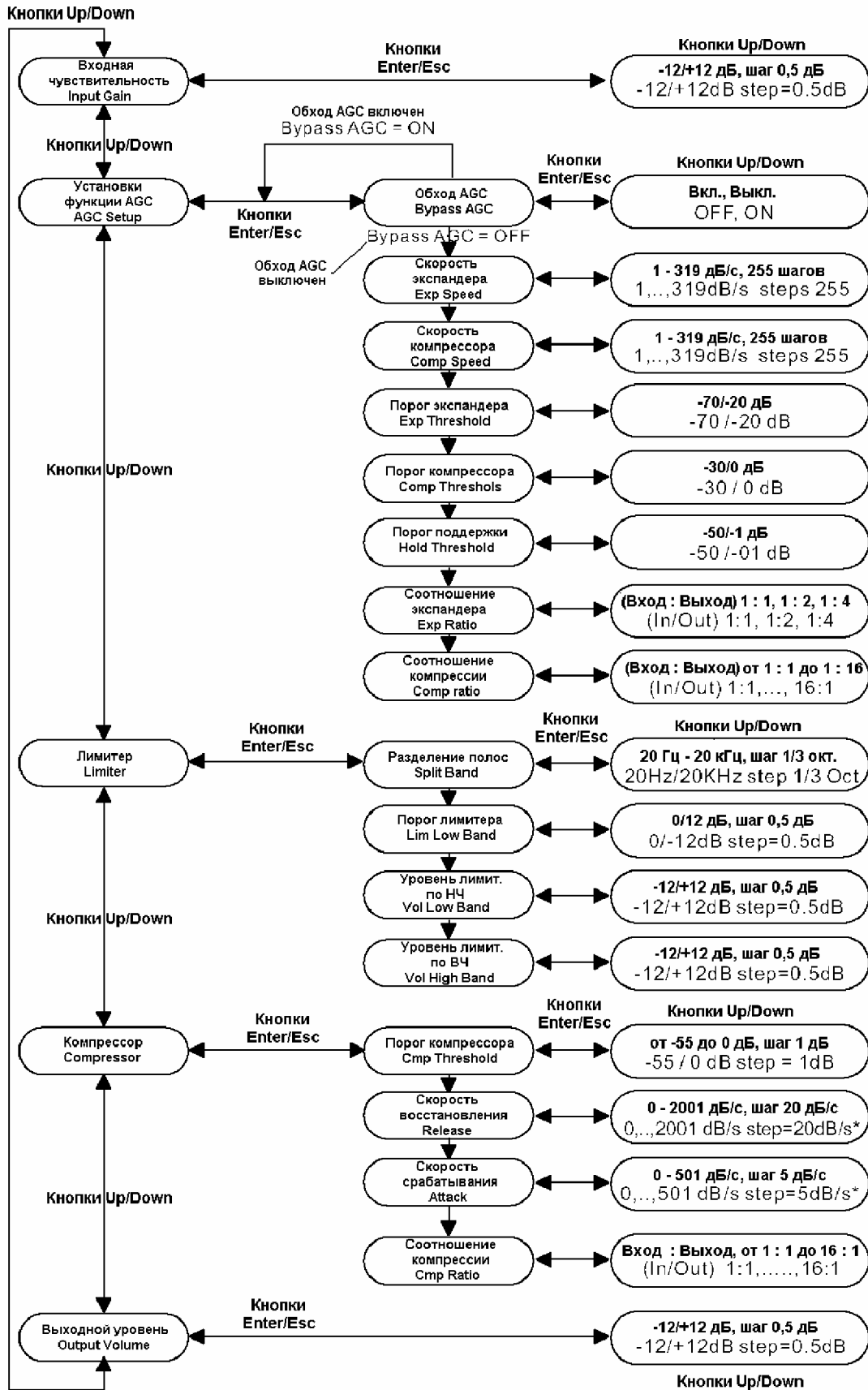
		Agc			. Agc	. Agc		. Agc										
Clean 17	-6	ON	-	-	-	-	-	-	-	3150	-3	0	5	-4	20	65	4 : 1	6
Clean 18	0	OFF	20	70	-54	-4	-8	1 : 2	4 : 1	3150	-3	0	5	-6	20	20	4 : 1	6
Clean 19	0	OFF	10	5	-32	-7	-8	1 : 2	4 : 1	3150	-3	0	5	-8	40	20	2 : 1	8
Clean 20	0	OFF	30	65	-40	-5	-8	1 : 2	4 : 1	3150	-3	0	5	-6	20	15	2 : 1	6
Clean 21	0	OFF	10	60	-38	-6	-8	1 : 2	4 : 1	3150	-3	0	5	-6	40	25	2 : 1	6
Clean 22	0	OFF	10	10	-42	-6	-8	1 : 2	4 : 1	3150	-3	0	5	-6	60	25	2 : 1	6
Clean 23	0	OFF	10	65	-47	-7	-8	1 : 2	4 : 1	3150	-3	0	5	-12	40	55	2 : 1	12
Clean 24	0	OFF	60	80	-45	-7	-8	1 : 2	4 : 1	3150	-3	0	5	-12	80	65	2 : 1	12
Dance 25	-3	ON	-	-	-	-	-	-	-	160	-1,5	6,5	2	-3	20	20	4 : 1	3
Dance 26	0	OFF	20	70	-54	-4	-8	1 : 2	4 : 1	160	-1,5	6,5	2	-3	20	25	4 : 1	3
Dance 27	0	OFF	10	5	-32	-7	-8	1 : 2	4 : 1	160	-1,5	6,5	2	-6	20	15	4 : 1	6
Dance 28	0	OFF	30	65	-40	-5	-8	1 : 2	4 : 1	160	-1,5	6,5	2	-4	40	15	4 : 1	4
Dance 29	0	OFF	10	60	-38	-6	-8	1 : 2	4 : 1	160	-1,5	6,5	2	-5	40	10	4 : 1	5
Dance 30	0	OFF	10	10	-42	-6	-8	1 : 2	4 : 1	160	-1,5	6,5	2	-4	20	15	4 : 1	4
Dance 31	0	OFF	10	65	-47	-7	-8	1 : 2	4 : 1	160	-1,5	6,5	2	-12	60	65	2 : 1	12
Dance 32	0	OFF	60	80	-47	-7	-8	1 : 2	4 : 1	160	-1,5	6,5	2	-12	80	90	2 : 1	12
Kick drum 33	-3	ON	-	-	-	-	-	-	-	250	-1,5	8	2,5	-3	40	125	4 : 1	2
Kick drum 34	0	OFF	20	70	-54	-4	-8	1 : 2	4 : 1	250	-1,5	8	2,5	-4	40	105	4 : 1	3
Kick drum 35	0	OFF	10	5	-32	-7	-8	1 : 2	4 : 1	250	-1,5	8	2,5	-4	40	135	4 : 1	3
Kick drum 36	0	OFF	30	65	-40	-5	-8	1 : 2	4 : 1	250	-1,5	8	2,5	-3	40	135	4 : 1	3
Kick drum 37	0	OFF	10	60	-38	-6	-8	1 : 2	4 : 1	250	-1,5	8	2,5	-3	40	125	4 : 1	3
Kick drum 38	0	OFF	10	10	-42	-6	-8	1 : 2	4 : 1	250	-1,5	8	2,5	-3	40	140	4 : 1	3
Kick drum 39	0	OFF	10	65	-47	-7	-8	1 : 2	4 : 1	250	-1,5	8	2,5	-12	60	155	2 : 1	10
Kick drum 40	0	OFF	60	80	-47	-7	-8	1 : 2	4 : 1	250	-1,5	8	2,5	-12	80	170	2 : 1	10

7.

		Agc			. Agc	. Agc		. Agc	. Agc									
			Agc [/]	Agc [/]	. Agc	. Agc	Agc []	. Agc	. Agc									
Mixdown 41	-3	ON	-	-	-	-	-	-	-	5000	-3	2	2	-4	20	70	4 : 1	4
Mixdown 42	0	OFF	20	70	-54	-4	-8	1 : 2	4 : 1	5000	-3	2	2	-3	20	55	4 : 1	4
Mixdown 43	0	OFF	10	5	-32	-7	-8	1 : 2	4 : 1	5000	-3	2	2	-3	20	65	4 : 1	5
Mixdown 44	0	OFF	30	65	-40	-5	-8	1 : 2	4 : 1	5000	-3	2	2	-3	20	60	4 : 1	4
Mixdown 45	0	OFF	10	60	-38	-6	-8	1 : 2	4 : 1	5000	-3	2	2	-4	20	70	4 : 1	5
Mixdown 46	0	OFF	10	10	-42	-6	-8	1 : 2	4 : 1	5000	-3	2	2	-6	60	75	4 : 1	6
Mixdown 47	0	OFF	10	65	-47	-7	-8	1 : 2	4 : 1	5000	-3	2	2	-8	60	75	2 : 1	8
Mixdown 48	0	OFF	60	80	-47	-7	-8	1 : 2	4 : 1	5000	-3	2	2	-12	80	100	2 : 1	12
Jumping up 50	0	OFF	20	70	-54	-4	-8	1 : 2	4 : 1	1250	-1	2	4	-2	20	105	4 : 1	2
Jumping up 51	0	OFF	10	5	-32	-7	-8	1 : 2	4 : 1	1250	-1	2	4	-2	20	95	4 : 1	3
Jumping up 52	0	OFF	30	65	-40	-5	-8	1 : 2	4 : 1	1250	-1	2	4	-3	20	90	4 : 1	3
Jumping up 53	0	OFF	10	60	-38	-6	-8	1 : 2	4 : 1	1250	-1	2	4	-4	20	95	4 : 1	4
Jumping up 54	0	OFF	10	10	-42	-6	-8	1 : 2	4 : 1	1250	-1	2	4	-6	20	105	4 : 1	6
Jumping up 55	0	OFF	10	65	-47	-7	-8	1 : 2	4 : 1	1250	-1	2	4	-8	60	110	2 : 1	6
Jumping up 56	0	OFF	60	80	-47	-7	-8	1 : 2	4 : 1	1250	-1	2	4	-12	80	105	2 : 1	10
AGC Pure 58	0	OFF	20	70	-54	-4	-8	1 : 2	4 : 1	800	0	0	0	0	0	5	1 : 1	5
AGC Pure 59	0	OFF	10	5	-32	-7	-8	1 : 2	4 : 1	800	0	0	0	0	0	5	1 : 1	5
AGC Pure 60	0	OFF	30	65	-40	-5	-8	1 : 2	4 : 1	800	0	0	0	0	0	5	1 : 1	5
AGC Pure 61	0	OFF	10	60	-38	-6	-8	1 : 2	4 : 1	800	0	0	0	0	0	5	1 : 1	5
AGC Pure 62	0	OFF	10	10	-42	-6	-8	1 : 2	4 : 1	800	0	0	0	0	0	5	1 : 1	5
AGC Pure 63	0	OFF	10	65	-47	-7	-8	1 : 2	4 : 1	800	0	0	0	0	0	5	1 : 1	5
AGC Pure 64	0	OFF	60	80	-47	-7	-8	1 : 2	4 : 1	800	0	0	0	0	0	5	1 : 1	5

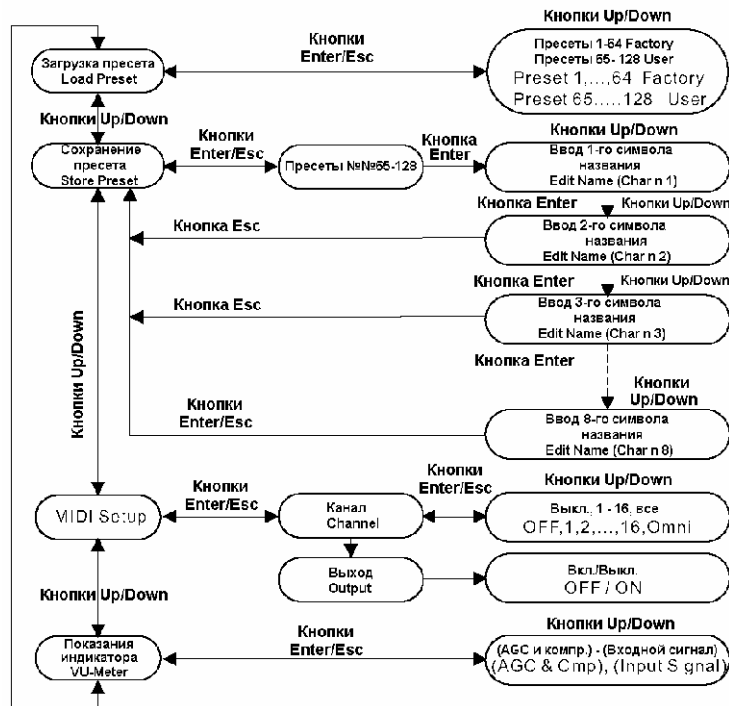
8.

8.1 (Edit Menu)



8.2

(Utility Menu)



9. MIDI

- 1. 1- MIDI- - PROGRAM CHANGE ()
- 2. 2- MIDI- - 0 – 127

2- MIDI-	1- MIDI-	3- MIDI-	4- MIDI-
0, ..., 63	1, ..., 64		(Factory)
64, ..., 127	65, ..., 128		(User)

- 1. 1- MIDI- – CONTROL CHANGE (: 120)

2- MIDI-	1- MIDI-	3- MIDI-	4- MIDI-
14	(Input gain)	0, ..., 48	(Master input gain)
15	AGC (AGC Bypass)	0, 1	(OFF, ON)
16	AGC (AGC Exp Speed)	0, ..., 127	1, ..., 211 /
17	AGC (AGC Comp Speed)	0, ..., 127	1, ..., 211 /
18	AGC (AGC Exp Th)	0, ..., 50	-70 / -20
19	AGC (AGC Cmp Th)	0, ..., 30	-30 / 0
20	AGC (AGC Hold Th)	0, ..., 50	-50 / -1
21	AGC (AGC Exp Ratio)	0, ..., 2	(:) 1:1, ..., 4:1
22	AGC (AGC Cmp Ratio)	0, ..., 4	(:) 1:1, ..., 16:1
23	(Band Split)	0, ..., 28	25, ..., 16 ; 1/3
24	(Limiter Low Band)	0, ..., 24	-12 / 0 , 0,5
25	(Volume Low Band)	0, ..., 48	-12 / +12 , 0,5
26	(Volume High Band)	0, ..., 48	-12 / +12 , 0,5
27	(Cmp Threshold)	0, ..., 55	-55 / 0 , 1
28	(Cmp Release)	0, ..., 100	1, ..., 2001 / , 20 /
29	(Cmp Attack)	0, ..., 100	1, ..., 501 / , 5 /
30	(Cmp Ratio)	0, ..., 4	(:) 1:1, ..., 16:1
31	(Output Vol)	0, ..., 48	(Master output volume)

10.

, 2
XLR,

44
15 dBu (4,4 rms)
-22 dBu (63 rms)

, 2
XLR,

<150
17 dBu 600 (5,5 rms)

- / -
+
.

20 - 20 , +0,1/-1
90 , - ,, 20 - 20
0,03%, 1 , -6 dBV
700
46, 875
1 -
1 -
12 . .
24 32

MIDI

IN/OUT/Thru
5- DIN

3- ,
115 - 230 , 50-60
9

, 2 20
7, 5
2 6

3,8
483 233 45