

Parasound AVC-2500 serial communication command set

30.12.1998 /Jari

Hardware specification

EIA RS-232

9600 bps, 8 bits, 1 stop bit, no parity

9-pin female (DCE) D-connector, TXD on pin 2, RXD on pin 3, GND on pin 5

ASCII transmission, no flow control

Software specification

Serial communication command format

<zone><field separator><command><field separator><parameter 1><field separator><parameter 2><line terminator>

field	purpose	possible values
<zone>	target zone for the command	numbers from 1 to 2
<command>	a command identification	numbers from 1 to N
<parameter 1>	an optional parameter for the command	none, or numbers from -N to N, depending on command
<parameter 2>	another optional parameter for the command	none, or numbers from -N to N, depending on command
<field separator>	separator for fields in the command line	one or more spaces
<line terminator>	terminator for the command line	either CR or LF

Notes

blank lines or lines starting with '#' character are ignored

a CR/LF (or LF/CR) character pair is a valid line terminator

response to illegal command input is undefined, usually the command is just ignored

parameters which aren't required by the command are ignored

Serial communication zones

zone	target zone
1	Zone 1, aka Main
2	Zone 2, aka Zone

Serial communication commands and parameters

command available for zone(s)	command	purpose	parameter 1	purpose	parameter 2	purpose
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1 / 2	1	zone power status	1	turn zone off
			2	turn zone on
			3	toggle zone on/off
			4	turn all zones off
			5	turn all zones on

1 / 2	2	AV source selection, switching between latest AV and tuner source	1	toggle between latest AV / tuner source
			2	select next audio source automatically
			3	select next video source automatically
			4	select next AV source
			5	select previous AV source
			6	select latest AV source
			7	select tuner source
			8	select audio 1 source
			9	select audio 2 source
			10	select audio 3 source
			11	select audio 4 source
			12	select audio 5 source
			13	select audio 6 source
			14	select video 1 source
			15	select video 2 source
			16	select video 3 source
			17	select video 4 source
			18	select video 5 source
			19	select video 6 source

Command response

zone	command	purpose	parameter 1	purpose	parameter 2	purpose
1 / 2	1	zone power	1	off	0	ignore
			2	on		
1 / 2	2	audio and video source				
			7	tuner audio source		
			8	audio 1 audio source		
			9	audio 2 audio source		
			10	audio 3 audio source		
			11	audio 4 audio source		
			12	audio 5 audio source		
			13	audio 6 audio source		
			14	video 1 audio source	14	video 1 video source
			15	video 2 audio source	15	video 2 video source
			16	video 3 audio source	16	video 3 video source
			17	video 4 audio source	17	video 4 video source
			18	video 5 audio source	18	video 5 video source
			19	video 6 audio source	19	video 6 video source

1 / 2	3	tuner preset selection	1	select next preset
			2	select previous preset
			3	select preset 1
			4	select preset 2
			5	select preset 3
			6	select preset 4
			7	select preset 5
			8	select preset 6
			9	select preset 7
			10	select preset 8
			11	select preset 9
			12	select preset 10
			13	select preset 11
			14	select preset 12
			15	select preset 13
			16	select preset 14
			17	select preset 15
			18	select preset 16
			19	select preset 17
			20	select preset 18
			21	select preset 19
			22	select preset 20

1	4	audio input selection for current source	1	select next input
			2	select previous input
			3	select analog input
			4	select external 6-ch analog input
			5	select coaxial 1 input
			6	select coaxial 2 input
			7	select coaxial 3 input
			8	select coaxial 4 input
			9	select optical 1 input
			10	select optical 2 input
			11	select AES/EBU input
			12	select RF demodulator (optional device) input

1 / 2	3	tuner preset		0	ignore
			3		preset 1
			4		preset 2
			5		preset 3
			6		preset 4
			7		preset 5
			8		preset 6
			9		preset 7
			10		preset 8
			11		preset 9
			12		preset 10
			13		preset 11
			14		preset 12
			15		preset 13
			16		preset 14
			17		preset 15
			18		preset 16
			19		preset 17
			20		preset 18
			21		preset 19
			22		preset 20

1 / 2	4	input		0	ignore
			3		analog input
			4		external 6-ch analog input
			5		coaxial 1 input
			6		coaxial 2 input
			7		coaxial 3 input
			8		coaxial 4 input
			9		optical 1 input
			10		optical 2 input
			11		AES/EBU input
			12		RF demodulator (optional device) input

1	5	mode selection for current source	1	select next mode
			2	select previous mode
			3	select mono mode
			4	select stereo mode
			5	select cinema mode
			6	select music mode
			7	select party mode

1	6	direct tuner frequency tuning	87..108	for FM band: enter MHzs	00..95	for FM band: enter tenths of kHzs
			5..16	for AM band: enter hundreds of kHzs	00..99	for AM band: enter kHzs

1	7	tuner frequency automatic / manual tuning	1	scan up automatically
			2	scan down automatically
			3	tune step up manually
			4	tune step down manually

1	8	band selection for tuner	1	select fm band
			2	select am band
			3	toggle between fm/am bands

1 / 2	9	master volume setting	1	step volume up	
			2	step volume down	
			3	enter volume value directly	

1 / 2	10	speaker output muting	1	turn muting off
			2	turn muting on
			3	toggle muting on/off

1	11	THX processing	1	turn THX off
			2	turn THX on
			3	toggle THX on/off

1	12	dynamic range compression for Dolby Digital	1	turn compression off
			2	turn compression on
			3	toggle compression on/off

1 / 2	5	mode		0	ignore
			3		mono mode
			4		stereo mode
			5		cinema mode
			6		music mode
			7		party mode

1 / 2	6	tuner frequency	87..108 for FM band: MHzs	00..95 for FM band: tenths of kHzs
			5..16 for AM band: hundreds of kHzs	00..99 for AM band: kHzs

1 / 2	7	tuning mode	1	tuning off	0	ignore
			2	automatic (scanning) tuning		
			3	manual tuning		

1 / 2	8	tuner band	1	fm	0	ignore
			2	am		

1 / 2	9	master volume	-80..30	volume value	0	ignore
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1 / 2	10	speaker muting	1	off	0	ignore
			2	on		

1 / 2	11	THX processing	1	off	0	ignore
			2	on		

1 / 2	12	dynamic range compression	1	off	0	ignore
			2	on		

1	13	OSD status display handling, OSD blueback handling during setup	1	turn status off
			2	turn status on without blueback
			3	turn status on with blueback
			4	toggle status on/off (no blueback)
			5	toggle blueback on/off during menu setup

1	14	front panel dimmer status	1	turn dimmer off
			2	turn dimmer on
			3	toggle dimmer on/off

1 / 2	15	sleep timer handling	1	turn sleep timer off	
			2	step sleep timer up	
			3	enter sleep timer value directly	
				0..90	sleep timer value in minutes

1	16	source / preset memorizing, setup memorizing	1	memorize all settings
			2	memorize setup settings

1 / 2	17	button function emulation	1	emulate normal button function	1	front panel Zone button
					2	front panel THX button
					3	front panel Memory button
					4	front panel Mute button
					5	front panel FM/AM button
					6	front panel Tuning button
					7	front panel rotary CCW rotation
					8	front panel rotary CW rotation
					9	front panel On-Off button
					10	front panel Surround button
					11	front panel Digital button
					12	front panel Preset button
					13	front panel Source button
					14	remote On-Off button
					15	remote THX button
					16	remote Dyn button
					17	remote Digital-up button
					18	remote Digital-down button
					19	remote Surround-up button
					20	remote Surround-down button
					21	remote Setup/Trim button
					22	remote Mute button

1 / 2	13	OSD	1	off	0	ignore
			2	on without blueback		
			3	on with blueback		

1 / 2	14	front panel dimmer	1	off	0	ignore
			2	on		

1 / 2	15	sleep timer	0..90	sleep timer value in minutes	0	ignore
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1	16	memorized	0	ignore	0	ignore
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1 / 2	17	button function activated	1	normal function	1	front panel Zone button
					2	front panel THX button
					3	front panel Memory button
					4	front panel Mute button
					5	front panel FM/AM button
					6	front panel Tuning button
					7	front panel rotary CCW rotation
					8	front panel rotary CW rotation
					9	front panel On-Off button
					10	front panel Surround button
					11	front panel Digital button
					12	front panel Preset button
					13	front panel Source button
					14	remote On-Off button
					15	remote THX button
					16	remote Dyn button
					17	remote Digital-up button
					18	remote Digital-down button
					19	remote Surround-up button
					20	remote Surround-down button
					21	remote Setup/Trim button
					22	remote Mute button

23	remote Tuning button
24	remote Status button
25	remote Volume-up button
26	remote Auto-Audio / Tune-left button
27	remote Mem/Enter button
28	remote Auto-Video / Tune-right button
29	remote Volume-down button
30	remote FM/AM button
31	remote A. Cal button
32	remote Dim button
33	remote Sleep button
34	remote Aud 1 button
35	remote Aud 2 button
36	remote Aud 3 button
37	remote Aud 4 button
38	remote Aud 5 button
39	remote Aud 6 button
40	remote Vid 1 button
41	remote Vid 2 button
42	remote Vid 3 button
43	remote Vid 4 button
44	remote Vid 5 button
45	remote Vid 6 button
46	remote (preset) 1 button
47	remote (preset) 2 button
48	remote (preset) 3 button
49	remote (preset) 4 button
50	remote (preset) 5 button
51	remote (preset) 6 button
52	remote (preset) 7 button
53	remote (preset) 8 button
54	remote (preset) 9 button
55	remote (preset) 10 button
56	remote Shift button
57	remote Zone button
14	remote On-Off button
15	remote THX button
16	remote Dyn button
17	remote Digital-up button
18	remote Digital-down button
19	remote Surround-up button

2 emulate button hold function

23	remote Tuning button
24	remote Status button
25	remote Volume-up button
26	remote Auto-Audio / Tune-left button
27	remote Mem/Enter button
28	remote Auto-Video / Tune-right button
29	remote Volume-down button
30	remote FM/AM button
31	remote A. Cal button
32	remote Dim button
33	remote Sleep button
34	remote Aud 1 button
35	remote Aud 2 button
36	remote Aud 3 button
37	remote Aud 4 button
38	remote Aud 5 button
39	remote Aud 6 button
40	remote Vid 1 button
41	remote Vid 2 button
42	remote Vid 3 button
43	remote Vid 4 button
44	remote Vid 5 button
45	remote Vid 6 button
46	remote (preset) 1 button
47	remote (preset) 2 button
48	remote (preset) 3 button
49	remote (preset) 4 button
50	remote (preset) 5 button
51	remote (preset) 6 button
52	remote (preset) 7 button
53	remote (preset) 8 button
54	remote (preset) 9 button
55	remote (preset) 10 button
56	remote Shift button
57	remote Zone button
14	remote On-Off button
15	remote THX button
16	remote Dyn button
17	remote Digital-up button
18	remote Digital-down button
19	remote Surround-up button

2 hold function

20	remote Surround-down button
21	remote Setup/Trim button
22	remote Mute button
23	remote Tuning button
24	remote Status button
25	remote Volume-up button
26	remote Auto-Audio / Tune-left button
27	remote Mem/Enter button
28	remote Auto-Video / Tune-right button
29	remote Volume-down button
30	remote FM/AM button
31	remote A. Cal button
32	remote Dim button
33	remote Sleep button
34	remote Aud 1 button
35	remote Aud 2 button
36	remote Aud 3 button
37	remote Aud 4 button
38	remote Aud 5 button
39	remote Aud 6 button
40	remote Vid 1 button
41	remote Vid 2 button
42	remote Vid 3 button
43	remote Vid 4 button
44	remote Vid 5 button
45	remote Vid 6 button
46	remote (preset) 1 button
47	remote (preset) 2 button
48	remote (preset) 3 button
49	remote (preset) 4 button
50	remote (preset) 5 button
51	remote (preset) 6 button
52	remote (preset) 7 button
53	remote (preset) 8 button
54	remote (preset) 9 button
55	remote (preset) 10 button
56	remote Shift button
57	remote Zone button

20	remote Surround-down button
21	remote Setup/Trim button
22	remote Mute button
23	remote Tuning button
24	remote Status button
25	remote Volume-up button
26	remote Auto-Audio / Tune-left button
27	remote Mem/Enter button
28	remote Auto-Video / Tune-right button
29	remote Volume-down button
30	remote FM/AM button
31	remote A. Cal button
32	remote Dim button
33	remote Sleep button
34	remote Aud 1 button
35	remote Aud 2 button
36	remote Aud 3 button
37	remote Aud 4 button
38	remote Aud 5 button
39	remote Aud 6 button
40	remote Vid 1 button
41	remote Vid 2 button
42	remote Vid 3 button
43	remote Vid 4 button
44	remote Vid 5 button
45	remote Vid 6 button
46	remote (preset) 1 button
47	remote (preset) 2 button
48	remote (preset) 3 button
49	remote (preset) 4 button
50	remote (preset) 5 button
51	remote (preset) 6 button
52	remote (preset) 7 button
53	remote (preset) 8 button
54	remote (preset) 9 button
55	remote (preset) 10 button
56	remote Shift button
57	remote Zone button

1	18	direct setup handling	65	select source label for current source	0..48	0: default label, 1: custom label, 2..48: pre-defined label
			66	associate component video input for current source	0..2	0: none, 1: component input 1, 2: component input 2
			67	adjust trigger source status for current source	0..1	0: no, 1: yes
			68	adjust source level for current source	-16..16	level offset in dBs
			69	adjust analog input gain for current source	-16..16	input gain offset in dBs
			70	adjust subwoofer trim level (temporary)	-16..16	trim offset in dBs
			71	adjust surround trim level (temporary)	-16..16	trim offset in dBs
			72	adjust center trim level (temporary)	-16..16	trim offset in dBs
			73	adjust LFE channel trim level (temporary)	-10..0	trim offset in dBs
			74	select main speaker range	0..1	0: large, 1: small
			75	select center speaker range	0..2	0: large, 1: small, 2: none
			76	select surround speaker range	0..2	0: large, 1: small, 2: none
			77	select subwoofer speaker presence status	0..1	0: no, 1: yes
			78	adjust bass limiter	-55..0	bass limiter value in dBs
			79	adjust left speaker level	-32..32	speaker level offset in half dBs
			80	adjust center speaker level	-32..32	speaker level offset in half dBs
			81	adjust right speaker level	-32..32	speaker level offset in half dBs
			82	adjust right surround speaker level	-32..32	speaker level offset in half dBs
			83	adjust left surround speaker level	-32..32	speaker level offset in half dBs
			84	adjust subwoofer speaker level	-32..32	speaker level offset in half dBs
			85	adjust left speaker delay	0..10	speaker delay in half milliseconds
			86	adjust center speaker delay	0..10	speaker delay in half milliseconds
			87	adjust right speaker delay	0..10	speaker delay in half milliseconds
			88	adjust right surround speaker delay	0..30	speaker delay in half milliseconds
			89	adjust left surround speaker delay	0..30	speaker delay in half milliseconds
			90	adjust subwoofer speaker delay	0..10	speaker delay in half milliseconds
			91	adjust OSD status for composite output	0..1	0: no, 1: yes
			92	adjust OSD status for S-Video output	0..1	0: no, 1: yes
			93	adjust OSD status for component output	0..1	0: no, 1: yes
			94	select default color system for OSD	0..1	0: NTSC, 1: PAL
			95	select source for main trigger	0..6	0: power, 1: manual, 2: dim, 3: status, 4: source, 5: comp. vid., 6: dig. audio
			96	select polarity for main trigger	0..1	0: normal, 1: inverted
			97	adjust (de)activation delay for main trigger	0..90	delay in seconds
			98	select source for zone trigger	0..6	0: power, 1: manual, 2: dim, 3: status, 4: source, 5: comp. vid., 6: dig. audio
			99	select polarity for zone trigger	0..1	0: normal, 1: inverted
100	adjust (de)activation delay for zone trigger	0..90	delay in seconds			
101	laserdisk video source (for automatic RF input change)	0..6	0: none, 1..6: video 1..video 6			
102	select sleep timer volume ramping speed	0..1	0: fast, 1: slow			
103	select tuner region	0..1	0: US/Canada, 1: Europe			

1	18	setup position and value	65	current source label	0..48	0: default label, 1: custom label, 2..48: pre-defined label
			66	current component video association	0..2	0: none, 1: component input 1, 2: component input 2
			67	current trigger source status	0..1	0: no, 1: yes
			68	current source level	-16..16	level offset in dBs
			69	current analog input gain	-16..16	input gain offset in dBs
			70	current subwoofer trim level	-16..16	trim offset in dBs
			71	current surround trim level	-16..16	trim offset in dBs
			72	current center trim level	-16..16	trim offset in dBs
			73	current LFE channel trim level	-10..0	trim offset in dBs
			74	main speaker range status	0..1	0: large, 1: small
			75	center speaker range status	0..2	0: large, 1: small, 2: none
			76	surround speaker range status	0..2	0: large, 1: small, 2: none
			77	subwoofer presence status	0..1	0: no, 1: yes
			78	bass limiter status	-55..0	bass limiter value in dBs
			79	left speaker level	-32..32	speaker level offset in half dBs
			80	center speaker level	-32..32	speaker level offset in half dBs
			81	right speaker level	-32..32	speaker level offset in half dBs
			82	right surround speaker level	-32..32	speaker level offset in half dBs
			83	left surround speaker level	-32..32	speaker level offset in half dBs
			84	subwoofer speaker level	-32..32	speaker level offset in half dBs
			85	left speaker delay	0..10	speaker delay in half milliseconds
			86	center speaker delay	0..10	speaker delay in half milliseconds
			87	right speaker delay	0..10	speaker delay in half milliseconds
			88	right surround speaker delay	0..30	speaker delay in half milliseconds
			89	left surround speaker delay	0..30	speaker delay in half milliseconds
			90	subwoofer speaker delay	0..10	speaker delay in half milliseconds
			91	OSD status for composite output	0..1	0: no, 1: yes
			92	OSD status for S-Video output	0..1	0: no, 1: yes
			93	OSD status for component output	0..1	0: no, 1: yes
			94	default color system for OSD	0..1	0: NTSC, 1: PAL
			95	source for main trigger	0..6	0: power, 1: manual, 2: dim, 3: status, 4: source, 5: comp. vid., 6: dig. audio
			96	polarity for main trigger	0..1	0: normal, 1: inverted
			97	(de)activation delay for main trigger	0..90	delay in seconds
			98	source for zone trigger	0..6	0: power, 1: manual, 2: dim, 3: status, 4: source, 5: comp. vid., 6: dig. audio
			99	polarity for zone trigger	0..1	0: normal, 1: inverted
			100	(de)activation delay for zone trigger	0..90	delay in seconds
			101	laserdisk video source (for automatic RF input change)	0..6	0: none, 1..6: video 1..video 6
			102	sleep timer volume ramping speed	0..1	0: fast, 1: slow
			103	tuner region	0..1	0: US/Canada, 1: Europe

1 / 2	19	querying status information	1	power status
			2	audio / video source status
			3	preset status
			4	input status
			5	mode status
			6	frequency status
			7	tuning mode status
			8	band status
			9	volume status
			10	muting status
			11	THX status
			12	compression status
			13	OSD status display status
			14	dimmer status
			15	sleep timer status
			33	audio input program format and channel configuration
			34	preferred video input and color format type
			49	control software version number
			50	DSP software version number
			51	C-Lib software version number
			52	product identification number
			53	DSP engine identification number
			54	RF demodulator presence status
			65	current source label
			66	current component video association
			67	current trigger source status
			68	current source level
			69	current analog input gain
			70	current subwoofer trim level
			71	current surround trim level
			72	current center trim level
			73	current LFE channel trim level
			74	main speaker range status
			75	center speaker range status
			76	surround speaker range status
			77	subwoofer presence status
			78	bass limiter status
			79	left speaker level
			80	center speaker level
			81	right speaker level

1 / 2	1	power status	1..2	see command 1	0	ignore
	2	audio / video source status	7..19	see command 2	14..19	see command 2
	3	preset status	3..22	see command 3	0	ignore
	4	input status	3..12	see command 4	0	ignore
	5	mode status	3..7	see command 5	0	ignore
	6	frequency status	5..108	see command 6	00..99	see command 6
	7	tuning mode status	1..3	see command 7	0	ignore
	8	band status	1..2	see command 8	0	ignore
	9	volume status	-80..30	see command 9	0	ignore
	10	muting status	1..2	see command 10	0	ignore
	11	THX status	1..2	see command 11	0	ignore
	12	compression status	1..2	see command 12	0	ignore
	13	OSD status display status	1..3	see command 13	0	ignore
	14	dimmer status	1..2	see command 14	0	ignore
	15	sleep timer status	0..90	see command 15	0	ignore
	33	audio input program format and channel configuration	4..10	4: no dig, 5: analog, 6: unknown dig, 7: PCM, 8: 2-ch DD, 9: DD, 10: DTS	0..127	bitfield: 1: L preset, 2: C, 4: R, 8: LS, 16: S, 32: RS, 64: LFE
	34	preferred video input and color format type	0..3	0: no video, 1: composite, 2: S-Video, 3: component	0..2	0: NTSC, 1: PAL, 2: unknown
	49	control software version number	0..99	major part of version number	00..99	minor part of version number
	50	DSP software version number	0..99	major part of version number	00..99	minor part of version number
	51	C-Lib software version number	0..99	version number	0	ignore
	52	product identification number	1..99	2: Parasound AVC-2500	0	ignore
	53	DSP engine identification number	1..99	11: Gen 2b	0	ignore
	54	RF demodulator presence status	1..2	1: not present, 2: present	0	ignore
	65	current source label	0..48	0: default label, 1: custom label, 2..48: pre-defined label	0	ignore
	66	current component video association	0..2	0: none, 1: component input 1, 2: component input 2	0	ignore
	67	current trigger source status	0..1	0: no, 1: yes	0	ignore
	68	current source level	-16..16	level offset in dBs	0	ignore
	69	current analog input gain	-16..16	input gain offset in dBs	0	ignore
	70	current subwoofer trim level	-16..16	trim offset in dBs	0	ignore
	71	current surround trim level	-16..16	trim offset in dBs	0	ignore
	72	current center trim level	-16..16	trim offset in dBs	0	ignore
	73	current LFE channel trim level	-10..0	trim offset in dBs	0	ignore
	74	main speaker range status	0..1	0: large, 1: small	0	ignore
	75	center speaker range status	0..2	0: large, 1: small, 2: none	0	ignore
	76	surround speaker range status	0..2	0: large, 1: small, 2: none	0	ignore
	77	subwoofer presence status	0..1	0: no, 1: yes	0	ignore
	78	bass limiter status	-55..0	bass limiter value in dBs	0	ignore
	79	left speaker level	-32..32	speaker level offset in half dBs	0	ignore
	80	center speaker level	-32..32	speaker level offset in half dBs	0	ignore
	81	right speaker level	-32..32	speaker level offset in half dBs	0	ignore

82	right surround speaker level
83	left surround speaker level
84	subwoofer speaker level
85	left speaker delay
86	center speaker delay
87	right speaker delay
88	right surround speaker delay
89	left surround speaker delay
90	subwoofer speaker delay
91	OSD status for composite output
92	OSD status for S-Video output
93	OSD status for component output
94	default color system for OSD
95	source for main trigger
96	polarity for main trigger
97	(de)activation delay for main trigger
98	source for zone trigger
99	polarity for zone trigger
100	(de)activation delay for zone trigger
101	laserdisk video source (for automatic RF input change)
102	sleep timer volume ramping speed
103	tuner region

1 / 2	20	resetting, factory test	1	reset unit violently
			2	enter factory test, DO NOT USE

82	right surround speaker level	-32..32	speaker level offset in half dBs	0	ignore
83	left surround speaker level	-32..32	speaker level offset in half dBs	0	ignore
84	subwoofer speaker level	-32..32	speaker level offset in half dBs	0	ignore
85	left speaker delay	0..10	speaker delay in half milliseconds	0	ignore
86	center speaker delay	0..10	speaker delay in half milliseconds	0	ignore
87	right speaker delay	0..10	speaker delay in half milliseconds	0	ignore
88	right surround speaker delay	0..30	speaker delay in half milliseconds	0	ignore
89	left surround speaker delay	0..30	speaker delay in half milliseconds	0	ignore
90	subwoofer speaker delay	0..10	speaker delay in half milliseconds	0	ignore
91	OSD status for composite output	0..1	0: no, 1: yes	0	ignore
92	OSD status for S-Video output	0..1	0: no, 1: yes	0	ignore
93	OSD status for component output	0..1	0: no, 1: yes	0	ignore
94	default color system for OSD	0..1	0: NTSC, 1: PAL	0	ignore
95	source for main trigger	0..6	0: power, 1: man, 2: dim, 3: status, 4: source, 5: comp. vid., 6: dig. a.	0	ignore
96	polarity for main trigger	0..1	0: normal, 1: inverted	0	ignore
97	(de)activation delay for main trigger	0..90	delay in seconds	0	ignore
98	source for zone trigger	0..6	0: power, 1: manual, 2: dim, 3: status, 4: source, 5: compon. vid., 6: dig. audio	0	ignore
99	polarity for zone trigger	0..1	0: normal, 1: inverted	0	ignore
100	(de)activation delay for zone trigger	0..90	delay in seconds	0	ignore
101	laserdisk video source (for automatic RF input change)	0..6	0: none, 1..6: video 1..video 6	0	ignore
102	sleep timer volume ramping speed	0..1	0: fast, 1: slow	0	ignore
103	tuner region	0..1	0: US/Canada, 1: Europe	0	ignore

1	20	reset ok	0	ignore	0	ignore
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