AVO-IPCTL-SDV Tesira Command Sheet

For Tesira Command String blocks · Version 1.1.0

Every command for the AVO-IPCTL-SDV, as fixed strings for Tesira Command String blocks. It controls the AVO-IPCTL-SDV straight over the network, on the AVO-IPCTL-SDV's own control port (Telnet 23). No other KanexPro software is needed. The same strings are in `KanexPro-AVO-IPCTL-SDV-Tesira-Command-Sheet-1.1.0.csv` for copying.

> **Before you start —** the Tesira server must reach the AVO-IPCTL-SDV's CTRL port on TCP 23. Give the controller a fixed IP address (or a DHCP reservation).

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1. CONNECTION

HOW THE STRINGS ARE SENT	
Transport	TCP, port 23, to the AVO-IPCTL-SDV's address (its CTRL port). Port 23 is the AVO-IPCTL-SDV's Telnet control port; Telnet must be on in its own page (it is as shipped).
Line ending	CR LF (hex 0D 0A), after every string.
On connect	the controller first sends a few Telnet option bytes and a welcome text, then its prompt (a word ending in >). Ignore them.
Answers	the controller repeats each string, then answers [SUCCESS] or [ERROR] and why, then its prompt. Wait for the prompt before the next string.

2. COMMANDS

290 strings, and a template for each list too long to write out.

#	Command	String	Bytes (hex, with the line ending)
1	**Route: All decoders: Encoder = {encoder} (0 to 64, 0 = nothing)**	`SET DEC 0 SWITCH {encoder} ALL`	`the number in place of {encoder}`
2	**Route: All decoders: Encoder = Nothing**	`SET DEC 0 SWITCH 0 ALL`	`53 45 54 20 44 45 43 20 30 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A`
3	**Route: All decoders: Encoder = Encoder 32**	`SET DEC 0 SWITCH 32 ALL`	`53 45 54 20 44 45 43 20 30 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A`
4	**Route: All decoders: Encoder = Encoder 64**	`SET DEC 0 SWITCH 64 ALL`	`53 45 54 20 44 45 43 20 30 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A`
5	**Route: Decoder 1: Encoder = {encoder} (0 to 64, 0 = nothing)**	`SET DEC 1 SWITCH {encoder} ALL`	`the number in place of {encoder}`
6	**Route: Decoder 1: Encoder = Nothing**	`SET DEC 1 SWITCH 0 ALL`	`53 45 54 20 44 45 43 20 31 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A`
7	**Route: Decoder 1: Encoder = Encoder 32**	`SET DEC 1 SWITCH 32 ALL`	`53 45 54 20 44 45 43 20 31 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A`
8	**Route: Decoder 1: Encoder = Encoder 64**	`SET DEC 1 SWITCH 64 ALL`	`53 45 54 20 44 45 43 20 31 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A`
9	**Route: Decoder 2: Encoder = {encoder} (0 to 64, 0 = nothing)**	`SET DEC 2 SWITCH {encoder} ALL`	`the number in place of {encoder}`
10	**Route: Decoder 2: Encoder = Nothing**	`SET DEC 2 SWITCH 0 ALL`	`53 45 54 20 44 45 43 20 32 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A`

11	Route: Decoder 2: Encoder = Encoder 32	SET DEC 2 SWITCH 32 ALL	53 45 54 20 44 45 43 20 32 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
12	Route: Decoder 2: Encoder = Encoder 64	SET DEC 2 SWITCH 64 ALL	53 45 54 20 44 45 43 20 32 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
13	Route: Decoder 3: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 3 SWITCH {encoder} ALL	the number in place of {encoder}
14	Route: Decoder 3: Encoder = Nothing	SET DEC 3 SWITCH 0 ALL	53 45 54 20 44 45 43 20 33 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
15	Route: Decoder 3: Encoder = Encoder 32	SET DEC 3 SWITCH 32 ALL	53 45 54 20 44 45 43 20 33 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
16	Route: Decoder 3: Encoder = Encoder 64	SET DEC 3 SWITCH 64 ALL	53 45 54 20 44 45 43 20 33 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
17	Route: Decoder 4: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 4 SWITCH {encoder} ALL	the number in place of {encoder}
18	Route: Decoder 4: Encoder = Nothing	SET DEC 4 SWITCH 0 ALL	53 45 54 20 44 45 43 20 34 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
19	Route: Decoder 4: Encoder = Encoder 32	SET DEC 4 SWITCH 32 ALL	53 45 54 20 44 45 43 20 34 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
20	Route: Decoder 4: Encoder = Encoder 64	SET DEC 4 SWITCH 64 ALL	53 45 54 20 44 45 43 20 34 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
21	Route: Decoder 5: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 5 SWITCH {encoder} ALL	the number in place of {encoder}
22	Route: Decoder 5: Encoder = Nothing	SET DEC 5 SWITCH 0 ALL	53 45 54 20 44 45 43 20 35 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
23	Route: Decoder 5: Encoder = Encoder 32	SET DEC 5 SWITCH 32 ALL	53 45 54 20 44 45 43 20 35 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
24	Route: Decoder 5: Encoder = Encoder 64	SET DEC 5 SWITCH 64 ALL	53 45 54 20 44 45 43 20 35 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
25	Route: Decoder 6: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 6 SWITCH {encoder} ALL	the number in place of {encoder}
26	Route: Decoder 6: Encoder = Nothing	SET DEC 6 SWITCH 0 ALL	53 45 54 20 44 45 43 20 36 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
27	Route: Decoder 6: Encoder = Encoder 32	SET DEC 6 SWITCH 32 ALL	53 45 54 20 44 45 43 20 36 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
28	Route: Decoder 6: Encoder = Encoder 64	SET DEC 6 SWITCH 64 ALL	53 45 54 20 44 45 43 20 36 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
29	Route: Decoder 7: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 7 SWITCH {encoder} ALL	the number in place of {encoder}
30	Route: Decoder 7: Encoder = Nothing	SET DEC 7 SWITCH 0 ALL	53 45 54 20 44 45 43 20 37 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
31	Route: Decoder 7: Encoder = Encoder 32	SET DEC 7 SWITCH 32 ALL	53 45 54 20 44 45 43 20 37 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
32	Route: Decoder 7: Encoder = Encoder 64	SET DEC 7 SWITCH 64 ALL	53 45 54 20 44 45 43 20 37 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
33	Route: Decoder 8: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 8 SWITCH {encoder} ALL	the number in place of {encoder}
34	Route: Decoder 8: Encoder = Nothing	SET DEC 8 SWITCH 0 ALL	53 45 54 20 44 45 43 20 38 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A

35	Route: Decoder 8: Encoder = Encoder 32	SET DEC 8 SWITCH 32 ALL	53 45 54 20 44 45 43 20 38 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
36	Route: Decoder 8: Encoder = Encoder 64	SET DEC 8 SWITCH 64 ALL	53 45 54 20 44 45 43 20 38 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
37	Route: Decoder 9: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 9 SWITCH {encoder} ALL	the number in place of {encoder}
38	Route: Decoder 9: Encoder = Nothing	SET DEC 9 SWITCH 0 ALL	53 45 54 20 44 45 43 20 39 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
39	Route: Decoder 9: Encoder = Encoder 32	SET DEC 9 SWITCH 32 ALL	53 45 54 20 44 45 43 20 39 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
40	Route: Decoder 9: Encoder = Encoder 64	SET DEC 9 SWITCH 64 ALL	53 45 54 20 44 45 43 20 39 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
41	Route: Decoder 10: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 10 SWITCH {encoder} ALL	the number in place of {encoder}
42	Route: Decoder 10: Encoder = Nothing	SET DEC 10 SWITCH 0 ALL	53 45 54 20 44 45 43 20 31 30 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
43	Route: Decoder 10: Encoder = Encoder 32	SET DEC 10 SWITCH 32 ALL	53 45 54 20 44 45 43 20 31 30 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
44	Route: Decoder 10: Encoder = Encoder 64	SET DEC 10 SWITCH 64 ALL	53 45 54 20 44 45 43 20 31 30 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
45	Route: Decoder 11: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 11 SWITCH {encoder} ALL	the number in place of {encoder}
46	Route: Decoder 11: Encoder = Nothing	SET DEC 11 SWITCH 0 ALL	53 45 54 20 44 45 43 20 31 31 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
47	Route: Decoder 11: Encoder = Encoder 32	SET DEC 11 SWITCH 32 ALL	53 45 54 20 44 45 43 20 31 31 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
48	Route: Decoder 11: Encoder = Encoder 64	SET DEC 11 SWITCH 64 ALL	53 45 54 20 44 45 43 20 31 31 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
49	Route: Decoder 12: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 12 SWITCH {encoder} ALL	the number in place of {encoder}
50	Route: Decoder 12: Encoder = Nothing	SET DEC 12 SWITCH 0 ALL	53 45 54 20 44 45 43 20 31 32 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
51	Route: Decoder 12: Encoder = Encoder 32	SET DEC 12 SWITCH 32 ALL	53 45 54 20 44 45 43 20 31 32 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
52	Route: Decoder 12: Encoder = Encoder 64	SET DEC 12 SWITCH 64 ALL	53 45 54 20 44 45 43 20 31 32 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
53	Route: Decoder 13: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 13 SWITCH {encoder} ALL	the number in place of {encoder}
54	Route: Decoder 13: Encoder = Nothing	SET DEC 13 SWITCH 0 ALL	53 45 54 20 44 45 43 20 31 33 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
55	Route: Decoder 13: Encoder = Encoder 32	SET DEC 13 SWITCH 32 ALL	53 45 54 20 44 45 43 20 31 33 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
56	Route: Decoder 13: Encoder = Encoder 64	SET DEC 13 SWITCH 64 ALL	53 45 54 20 44 45 43 20 31 33 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
57	Route: Decoder 14: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 14 SWITCH {encoder} ALL	the number in place of {encoder}
58	Route: Decoder 14: Encoder = Nothing	SET DEC 14 SWITCH 0 ALL	53 45 54 20 44 45 43 20 31 34 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A

59	Route: Decoder 14: Encoder = Encoder 32	SET DEC 14 SWITCH 32 ALL	53 45 54 20 44 45 43 20 31 34 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
60	Route: Decoder 14: Encoder = Encoder 64	SET DEC 14 SWITCH 64 ALL	53 45 54 20 44 45 43 20 31 34 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
61	Route: Decoder 15: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 15 SWITCH {encoder} ALL	the number in place of {encoder}
62	Route: Decoder 15: Encoder = Nothing	SET DEC 15 SWITCH 0 ALL	53 45 54 20 44 45 43 20 31 35 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
63	Route: Decoder 15: Encoder = Encoder 32	SET DEC 15 SWITCH 32 ALL	53 45 54 20 44 45 43 20 31 35 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
64	Route: Decoder 15: Encoder = Encoder 64	SET DEC 15 SWITCH 64 ALL	53 45 54 20 44 45 43 20 31 35 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
65	Route: Decoder 16: Encoder = {encoder} (0 to 64, 0 = nothing)	SET DEC 16 SWITCH {encoder} ALL	the number in place of {encoder}
66	Route: Decoder 16: Encoder = Nothing	SET DEC 16 SWITCH 0 ALL	53 45 54 20 44 45 43 20 31 36 20 53 57 49 54 43 48 20 30 20 41 4C 4C 0D 0A
67	Route: Decoder 16: Encoder = Encoder 32	SET DEC 16 SWITCH 32 ALL	53 45 54 20 44 45 43 20 31 36 20 53 57 49 54 43 48 20 33 32 20 41 4C 4C 0D 0A
68	Route: Decoder 16: Encoder = Encoder 64	SET DEC 16 SWITCH 64 ALL	53 45 54 20 44 45 43 20 31 36 20 53 57 49 54 43 48 20 36 34 20 41 4C 4C 0D 0A
69	Route: Decoder 1: Picture on on	SET DEC 1 OUTPUT ON	53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
70	Route: Decoder 1: Picture on off	SET DEC 1 OUTPUT OFF	53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
71	Route: Decoder 2: Picture on on	SET DEC 2 OUTPUT ON	53 45 54 20 44 45 43 20 32 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
72	Route: Decoder 2: Picture on off	SET DEC 2 OUTPUT OFF	53 45 54 20 44 45 43 20 32 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
73	Route: Decoder 3: Picture on on	SET DEC 3 OUTPUT ON	53 45 54 20 44 45 43 20 33 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
74	Route: Decoder 3: Picture on off	SET DEC 3 OUTPUT OFF	53 45 54 20 44 45 43 20 33 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
75	Route: Decoder 4: Picture on on	SET DEC 4 OUTPUT ON	53 45 54 20 44 45 43 20 34 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
76	Route: Decoder 4: Picture on off	SET DEC 4 OUTPUT OFF	53 45 54 20 44 45 43 20 34 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
77	Route: Decoder 5: Picture on on	SET DEC 5 OUTPUT ON	53 45 54 20 44 45 43 20 35 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
78	Route: Decoder 5: Picture on off	SET DEC 5 OUTPUT OFF	53 45 54 20 44 45 43 20 35 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
79	Route: Decoder 6: Picture on on	SET DEC 6 OUTPUT ON	53 45 54 20 44 45 43 20 36 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
80	Route: Decoder 6: Picture on off	SET DEC 6 OUTPUT OFF	53 45 54 20 44 45 43 20 36 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
81	Route: Decoder 7: Picture on on	SET DEC 7 OUTPUT ON	53 45 54 20 44 45 43 20 37 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
82	Route: Decoder 7: Picture on off	SET DEC 7 OUTPUT OFF	53 45 54 20 44 45 43 20 37 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A

83	Route: Decoder 8: Picture on on	SET DEC 8 OUTPUT ON	53 45 54 20 44 45 43 20 38 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
84	Route: Decoder 8: Picture on off	SET DEC 8 OUTPUT OFF	53 45 54 20 44 45 43 20 38 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
85	Route: Decoder 9: Picture on on	SET DEC 9 OUTPUT ON	53 45 54 20 44 45 43 20 39 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
86	Route: Decoder 9: Picture on off	SET DEC 9 OUTPUT OFF	53 45 54 20 44 45 43 20 39 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
87	Route: Decoder 10: Picture on on	SET DEC 10 OUTPUT ON	53 45 54 20 44 45 43 20 31 30 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
88	Route: Decoder 10: Picture on off	SET DEC 10 OUTPUT OF F	53 45 54 20 44 45 43 20 31 30 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
89	Route: Decoder 11: Picture on on	SET DEC 11 OUTPUT ON	53 45 54 20 44 45 43 20 31 31 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
90	Route: Decoder 11: Picture on off	SET DEC 11 OUTPUT OF F	53 45 54 20 44 45 43 20 31 31 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
91	Route: Decoder 12: Picture on on	SET DEC 12 OUTPUT ON	53 45 54 20 44 45 43 20 31 32 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
92	Route: Decoder 12: Picture on off	SET DEC 12 OUTPUT OF F	53 45 54 20 44 45 43 20 31 32 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
93	Route: Decoder 13: Picture on on	SET DEC 13 OUTPUT ON	53 45 54 20 44 45 43 20 31 33 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
94	Route: Decoder 13: Picture on off	SET DEC 13 OUTPUT OF F	53 45 54 20 44 45 43 20 31 33 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
95	Route: Decoder 14: Picture on on	SET DEC 14 OUTPUT ON	53 45 54 20 44 45 43 20 31 34 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
96	Route: Decoder 14: Picture on off	SET DEC 14 OUTPUT OF F	53 45 54 20 44 45 43 20 31 34 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
97	Route: Decoder 15: Picture on on	SET DEC 15 OUTPUT ON	53 45 54 20 44 45 43 20 31 35 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
98	Route: Decoder 15: Picture on off	SET DEC 15 OUTPUT OF F	53 45 54 20 44 45 43 20 31 35 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
99	Route: Decoder 16: Picture on on	SET DEC 16 OUTPUT ON	53 45 54 20 44 45 43 20 31 36 20 4F 55 54 50 55 54 20 4F 4E 0D 0A
100	Route: Decoder 16: Picture on off	SET DEC 16 OUTPUT OF F	53 45 54 20 44 45 43 20 31 36 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A
101	Route: Decoder 1: Video mute on	SET DEC 1 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
102	Route: Decoder 1: Video mute off	SET DEC 1 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
103	Route: Decoder 2: Video mute on	SET DEC 2 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 32 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
104	Route: Decoder 2: Video mute off	SET DEC 2 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 32 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
105	Route: Decoder 3: Video mute on	SET DEC 3 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 33 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
106	Route: Decoder 3: Video mute off	SET DEC 3 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 33 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A

107	Route: Decoder 4: Video mute on	SET DEC 4 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 34 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
108	Route: Decoder 4: Video mute off	SET DEC 4 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 34 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
109	Route: Decoder 5: Video mute on	SET DEC 5 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 35 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
110	Route: Decoder 5: Video mute off	SET DEC 5 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 35 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
111	Route: Decoder 6: Video mute on	SET DEC 6 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 36 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
112	Route: Decoder 6: Video mute off	SET DEC 6 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 36 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
113	Route: Decoder 7: Video mute on	SET DEC 7 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 37 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
114	Route: Decoder 7: Video mute off	SET DEC 7 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 37 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
115	Route: Decoder 8: Video mute on	SET DEC 8 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 38 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
116	Route: Decoder 8: Video mute off	SET DEC 8 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 38 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
117	Route: Decoder 9: Video mute on	SET DEC 9 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 39 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
118	Route: Decoder 9: Video mute off	SET DEC 9 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 39 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
119	Route: Decoder 10: Video mute on	SET DEC 10 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 30 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
120	Route: Decoder 10: Video mute off	SET DEC 10 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 30 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
121	Route: Decoder 11: Video mute on	SET DEC 11 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 31 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
122	Route: Decoder 11: Video mute off	SET DEC 11 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 31 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
123	Route: Decoder 12: Video mute on	SET DEC 12 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 32 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
124	Route: Decoder 12: Video mute off	SET DEC 12 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 32 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
125	Route: Decoder 13: Video mute on	SET DEC 13 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 33 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
126	Route: Decoder 13: Video mute off	SET DEC 13 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 33 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
127	Route: Decoder 14: Video mute on	SET DEC 14 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 34 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
128	Route: Decoder 14: Video mute off	SET DEC 14 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 34 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
129	Route: Decoder 15: Video mute on	SET DEC 15 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 35 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
130	Route: Decoder 15: Video mute off	SET DEC 15 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 35 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A

131	Route: Decoder 16: Video mute on	SET DEC 16 OUTPUT MUTE ON	53 45 54 20 44 45 43 20 31 36 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 4E 0D 0A
132	Route: Decoder 16: Video mute off	SET DEC 16 OUTPUT MUTE OFF	53 45 54 20 44 45 43 20 31 36 20 4F 55 54 50 55 54 20 4D 55 54 45 20 4F 46 46 0D 0A
133	Route: Decoder 1: Show ID on	SET DEC 1 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
134	Route: Decoder 1: Show ID off	SET DEC 1 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
135	Route: Decoder 2: Show ID on	SET DEC 2 OUTPUT OSD ON	53 45 54 20 44 45 43 20 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
136	Route: Decoder 2: Show ID off	SET DEC 2 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
137	Route: Decoder 3: Show ID on	SET DEC 3 OUTPUT OSD ON	53 45 54 20 44 45 43 20 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
138	Route: Decoder 3: Show ID off	SET DEC 3 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
139	Route: Decoder 4: Show ID on	SET DEC 4 OUTPUT OSD ON	53 45 54 20 44 45 43 20 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
140	Route: Decoder 4: Show ID off	SET DEC 4 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
141	Route: Decoder 5: Show ID on	SET DEC 5 OUTPUT OSD ON	53 45 54 20 44 45 43 20 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
142	Route: Decoder 5: Show ID off	SET DEC 5 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
143	Route: Decoder 6: Show ID on	SET DEC 6 OUTPUT OSD ON	53 45 54 20 44 45 43 20 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
144	Route: Decoder 6: Show ID off	SET DEC 6 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
145	Route: Decoder 7: Show ID on	SET DEC 7 OUTPUT OSD ON	53 45 54 20 44 45 43 20 37 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
146	Route: Decoder 7: Show ID off	SET DEC 7 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 37 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
147	Route: Decoder 8: Show ID on	SET DEC 8 OUTPUT OSD ON	53 45 54 20 44 45 43 20 38 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
148	Route: Decoder 8: Show ID off	SET DEC 8 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 38 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
149	Route: Decoder 9: Show ID on	SET DEC 9 OUTPUT OSD ON	53 45 54 20 44 45 43 20 39 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
150	Route: Decoder 9: Show ID off	SET DEC 9 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 39 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
151	Route: Decoder 10: Show ID on	SET DEC 10 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 30 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
152	Route: Decoder 10: Show ID off	SET DEC 10 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 30 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
153	Route: Decoder 11: Show ID on	SET DEC 11 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
154	Route: Decoder 11: Show ID off	SET DEC 11 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A

155	Route: Decoder 12: Show ID on	SET DEC 12 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
156	Route: Decoder 12: Show ID off	SET DEC 12 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
157	Route: Decoder 13: Show ID on	SET DEC 13 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
158	Route: Decoder 13: Show ID off	SET DEC 13 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
159	Route: Decoder 14: Show ID on	SET DEC 14 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
160	Route: Decoder 14: Show ID off	SET DEC 14 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
161	Route: Decoder 15: Show ID on	SET DEC 15 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
162	Route: Decoder 15: Show ID off	SET DEC 15 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
163	Route: Decoder 16: Show ID on	SET DEC 16 OUTPUT OSD ON	53 45 54 20 44 45 43 20 31 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
164	Route: Decoder 16: Show ID off	SET DEC 16 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 31 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
165	Route: Decoder 1: Screen on on	SET DEC 1 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 31 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
166	Route: Decoder 1: Screen on off	SET DEC 1 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 31 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
167	Route: Decoder 2: Screen on on	SET DEC 2 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 32 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
168	Route: Decoder 2: Screen on off	SET DEC 2 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 32 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
169	Route: Decoder 3: Screen on on	SET DEC 3 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 33 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
170	Route: Decoder 3: Screen on off	SET DEC 3 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 33 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
171	Route: Decoder 4: Screen on on	SET DEC 4 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 34 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
172	Route: Decoder 4: Screen on off	SET DEC 4 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 34 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
173	Route: Decoder 5: Screen on on	SET DEC 5 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 35 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
174	Route: Decoder 5: Screen on off	SET DEC 5 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 35 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A

175	Route: Decoder 6: Screen on on	SET DEC 6 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 36 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
176	Route: Decoder 6: Screen on off	SET DEC 6 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 36 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
177	Route: Decoder 7: Screen on on	SET DEC 7 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 37 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
178	Route: Decoder 7: Screen on off	SET DEC 7 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 37 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
179	Route: Decoder 8: Screen on on	SET DEC 8 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 38 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
180	Route: Decoder 8: Screen on off	SET DEC 8 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 38 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
181	Route: Decoder 9: Screen on on	SET DEC 9 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 39 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
182	Route: Decoder 9: Screen on off	SET DEC 9 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 39 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
183	Route: Decoder 10: Screen on on	SET DEC 10 CEC COMMAN D POWERON	53 45 54 20 44 45 43 20 31 30 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
184	Route: Decoder 10: Screen on off	SET DEC 10 CEC COMMAN D POWEROFF	53 45 54 20 44 45 43 20 31 30 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
185	Route: Decoder 11: Screen on on	SET DEC 11 CEC COMMAN D POWERON	53 45 54 20 44 45 43 20 31 31 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
186	Route: Decoder 11: Screen on off	SET DEC 11 CEC COMMAN D POWEROFF	53 45 54 20 44 45 43 20 31 31 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
187	Route: Decoder 12: Screen on on	SET DEC 12 CEC COMMAN D POWERON	53 45 54 20 44 45 43 20 31 32 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
188	Route: Decoder 12: Screen on off	SET DEC 12 CEC COMMAN D POWEROFF	53 45 54 20 44 45 43 20 31 32 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
189	Route: Decoder 13: Screen on on	SET DEC 13 CEC COMMAN D POWERON	53 45 54 20 44 45 43 20 31 33 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
190	Route: Decoder 13: Screen on off	SET DEC 13 CEC COMMAN D POWEROFF	53 45 54 20 44 45 43 20 31 33 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
191	Route: Decoder 14: Screen on on	SET DEC 14 CEC COMMAN D POWERON	53 45 54 20 44 45 43 20 31 34 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A

192	Route: Decoder 14: Screen on off	SET DEC 14 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 31 34 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
193	Route: Decoder 15: Screen on on	SET DEC 15 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 31 35 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
194	Route: Decoder 15: Screen on off	SET DEC 15 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 31 35 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
195	Route: Decoder 16: Screen on on	SET DEC 16 CEC COMMAND POWERON	53 45 54 20 44 45 43 20 31 36 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 4E 0D 0A
196	Route: Decoder 16: Screen on off	SET DEC 16 CEC COMMAND POWEROFF	53 45 54 20 44 45 43 20 31 36 20 43 45 43 20 43 4F 4D 4D 41 4E 44 20 50 4F 57 45 52 4F 46 46 0D 0A
197	Presets: Matrix presets 1	APPLY MATRIX PRESET 1	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 0D 0A
198	Presets: Matrix presets 2	APPLY MATRIX PRESET 2	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 0D 0A
199	Presets: Matrix presets 3	APPLY MATRIX PRESET 3	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 33 0D 0A
200	Presets: Matrix presets 4	APPLY MATRIX PRESET 4	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 34 0D 0A
201	Presets: Matrix presets 5	APPLY MATRIX PRESET 5	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 35 0D 0A
202	Presets: Matrix presets 6	APPLY MATRIX PRESET 6	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 36 0D 0A
203	Presets: Matrix presets 7	APPLY MATRIX PRESET 7	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 37 0D 0A
204	Presets: Matrix presets 8	APPLY MATRIX PRESET 8	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 38 0D 0A
205	Presets: Matrix presets 9	APPLY MATRIX PRESET 9	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 39 0D 0A
206	Presets: Matrix presets 10	APPLY MATRIX PRESET 10	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 30 0D 0A
207	Presets: Matrix presets 11	APPLY MATRIX PRESET 11	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 31 0D 0A
208	Presets: Matrix presets 12	APPLY MATRIX PRESET 12	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 32 0D 0A
209	Presets: Matrix presets 13	APPLY MATRIX PRESET 13	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 33 0D 0A
210	Presets: Matrix presets 14	APPLY MATRIX PRESET 14	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 34 0D 0A
211	Presets: Matrix presets 15	APPLY MATRIX PRESET 15	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 35 0D 0A
212	Presets: Matrix presets 16	APPLY MATRIX PRESET 16	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 36 0D 0A
213	Presets: Matrix presets 17	APPLY MATRIX PRESET 17	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 37 0D 0A

214	Presets: Matrix presets 18	APPLY MATRIX PRESET 18	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 38 0D 0A
215	Presets: Matrix presets 19	APPLY MATRIX PRESET 19	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 31 39 0D 0A
216	Presets: Matrix presets 20	APPLY MATRIX PRESET 20	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 30 0D 0A
217	Presets: Matrix presets 21	APPLY MATRIX PRESET 21	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 31 0D 0A
218	Presets: Matrix presets 22	APPLY MATRIX PRESET 22	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 32 0D 0A
219	Presets: Matrix presets 23	APPLY MATRIX PRESET 23	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 33 0D 0A
220	Presets: Matrix presets 24	APPLY MATRIX PRESET 24	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 34 0D 0A
221	Presets: Matrix presets 25	APPLY MATRIX PRESET 25	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 35 0D 0A
222	Presets: Matrix presets 26	APPLY MATRIX PRESET 26	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 36 0D 0A
223	Presets: Matrix presets 27	APPLY MATRIX PRESET 27	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 37 0D 0A
224	Presets: Matrix presets 28	APPLY MATRIX PRESET 28	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 38 0D 0A
225	Presets: Matrix presets 29	APPLY MATRIX PRESET 29	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 32 39 0D 0A
226	Presets: Matrix presets 30	APPLY MATRIX PRESET 30	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 33 30 0D 0A
227	Video walls: Wall 1: Wall preset = Preset 1	APPLY WALL 1 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 31 0D 0A
228	Video walls: Wall 1: Wall preset = Preset 2	APPLY WALL 1 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 32 0D 0A
229	Video walls: Wall 1: Wall preset = Preset 3	APPLY WALL 1 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 33 0D 0A
230	Video walls: Wall 1: Wall preset = Preset 4	APPLY WALL 1 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 34 0D 0A
231	Video walls: Wall 1: Wall preset = Preset 5	APPLY WALL 1 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 35 0D 0A
232	Video walls: Wall 1: Wall preset = Preset 6	APPLY WALL 1 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 36 0D 0A
233	Video walls: Wall 1: Wall preset = Preset 7	APPLY WALL 1 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 37 0D 0A
234	Video walls: Wall 1: Wall preset = Preset 8	APPLY WALL 1 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 38 0D 0A
235	Video walls: Wall 1: Wall preset = Preset 9	APPLY WALL 1 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 31 20 50 52 45 53 45 54 20 39 0D 0A
236	Video walls: Wall 2: Wall preset = Preset 1	APPLY WALL 2 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 31 0D 0A
237	Video walls: Wall 2: Wall preset = Preset 2	APPLY WALL 2 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 32 0D 0A

238	**Video walls: Wall 2: Wall preset = Preset 3**	APPLY WALL 2 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 33 0D 0A
239	**Video walls: Wall 2: Wall preset = Preset 4**	APPLY WALL 2 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 34 0D 0A
240	**Video walls: Wall 2: Wall preset = Preset 5**	APPLY WALL 2 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 35 0D 0A
241	**Video walls: Wall 2: Wall preset = Preset 6**	APPLY WALL 2 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 36 0D 0A
242	**Video walls: Wall 2: Wall preset = Preset 7**	APPLY WALL 2 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 37 0D 0A
243	**Video walls: Wall 2: Wall preset = Preset 8**	APPLY WALL 2 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 38 0D 0A
244	**Video walls: Wall 2: Wall preset = Preset 9**	APPLY WALL 2 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 32 20 50 52 45 53 45 54 20 39 0D 0A
245	**Video walls: Wall 3: Wall preset = Preset 1**	APPLY WALL 3 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 31 0D 0A
246	**Video walls: Wall 3: Wall preset = Preset 2**	APPLY WALL 3 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 32 0D 0A
247	**Video walls: Wall 3: Wall preset = Preset 3**	APPLY WALL 3 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 33 0D 0A
248	**Video walls: Wall 3: Wall preset = Preset 4**	APPLY WALL 3 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 34 0D 0A
249	**Video walls: Wall 3: Wall preset = Preset 5**	APPLY WALL 3 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 35 0D 0A
250	**Video walls: Wall 3: Wall preset = Preset 6**	APPLY WALL 3 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 36 0D 0A
251	**Video walls: Wall 3: Wall preset = Preset 7**	APPLY WALL 3 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 37 0D 0A
252	**Video walls: Wall 3: Wall preset = Preset 8**	APPLY WALL 3 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 38 0D 0A
253	**Video walls: Wall 3: Wall preset = Preset 9**	APPLY WALL 3 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 33 20 50 52 45 53 45 54 20 39 0D 0A
254	**Video walls: Wall 4: Wall preset = Preset 1**	APPLY WALL 4 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 31 0D 0A
255	**Video walls: Wall 4: Wall preset = Preset 2**	APPLY WALL 4 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 32 0D 0A
256	**Video walls: Wall 4: Wall preset = Preset 3**	APPLY WALL 4 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 33 0D 0A
257	**Video walls: Wall 4: Wall preset = Preset 4**	APPLY WALL 4 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 34 0D 0A
258	**Video walls: Wall 4: Wall preset = Preset 5**	APPLY WALL 4 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 35 0D 0A
259	**Video walls: Wall 4: Wall preset = Preset 6**	APPLY WALL 4 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 36 0D 0A
260	**Video walls: Wall 4: Wall preset = Preset 7**	APPLY WALL 4 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 37 0D 0A
261	**Video walls: Wall 4: Wall preset = Preset 8**	APPLY WALL 4 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 38 0D 0A

262	**Video walls: Wall 4: Wall preset = Preset 9**	APPLY WALL 4 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 34 20 50 52 45 53 45 54 20 39 0D 0A
263	**Video walls: Wall 5: Wall preset = Preset 1**	APPLY WALL 5 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 31 0D 0A
264	**Video walls: Wall 5: Wall preset = Preset 2**	APPLY WALL 5 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 32 0D 0A
265	**Video walls: Wall 5: Wall preset = Preset 3**	APPLY WALL 5 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 33 0D 0A
266	**Video walls: Wall 5: Wall preset = Preset 4**	APPLY WALL 5 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 34 0D 0A
267	**Video walls: Wall 5: Wall preset = Preset 5**	APPLY WALL 5 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 35 0D 0A
268	**Video walls: Wall 5: Wall preset = Preset 6**	APPLY WALL 5 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 36 0D 0A
269	**Video walls: Wall 5: Wall preset = Preset 7**	APPLY WALL 5 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 37 0D 0A
270	**Video walls: Wall 5: Wall preset = Preset 8**	APPLY WALL 5 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 38 0D 0A
271	**Video walls: Wall 5: Wall preset = Preset 9**	APPLY WALL 5 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 35 20 50 52 45 53 45 54 20 39 0D 0A
272	**Video walls: Wall 6: Wall preset = Preset 1**	APPLY WALL 6 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 31 0D 0A
273	**Video walls: Wall 6: Wall preset = Preset 2**	APPLY WALL 6 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 32 0D 0A
274	**Video walls: Wall 6: Wall preset = Preset 3**	APPLY WALL 6 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 33 0D 0A
275	**Video walls: Wall 6: Wall preset = Preset 4**	APPLY WALL 6 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 34 0D 0A
276	**Video walls: Wall 6: Wall preset = Preset 5**	APPLY WALL 6 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 35 0D 0A
277	**Video walls: Wall 6: Wall preset = Preset 6**	APPLY WALL 6 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 36 0D 0A
278	**Video walls: Wall 6: Wall preset = Preset 7**	APPLY WALL 6 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 37 0D 0A
279	**Video walls: Wall 6: Wall preset = Preset 8**	APPLY WALL 6 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 38 0D 0A
280	**Video walls: Wall 6: Wall preset = Preset 9**	APPLY WALL 6 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 36 20 50 52 45 53 45 54 20 39 0D 0A
281	**Video walls: Wall 7: Wall preset = Preset 1**	APPLY WALL 7 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 31 0D 0A
282	**Video walls: Wall 7: Wall preset = Preset 2**	APPLY WALL 7 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 32 0D 0A
283	**Video walls: Wall 7: Wall preset = Preset 3**	APPLY WALL 7 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 33 0D 0A
284	**Video walls: Wall 7: Wall preset = Preset 4**	APPLY WALL 7 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 34 0D 0A
285	**Video walls: Wall 7: Wall preset = Preset 5**	APPLY WALL 7 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 35 0D 0A

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286	**Video walls: Wall 7: Wall preset = Preset 6**	APPLY WALL 7 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 36 0D 0A
287	**Video walls: Wall 7: Wall preset = Preset 7**	APPLY WALL 7 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 37 0D 0A
288	**Video walls: Wall 7: Wall preset = Preset 8**	APPLY WALL 7 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 38 0D 0A
289	**Video walls: Wall 7: Wall preset = Preset 9**	APPLY WALL 7 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 37 20 50 52 45 53 45 54 20 39 0D 0A
290	**Video walls: Wall 8: Wall preset = Preset 1**	APPLY WALL 8 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 31 0D 0A
291	**Video walls: Wall 8: Wall preset = Preset 2**	APPLY WALL 8 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 32 0D 0A
292	**Video walls: Wall 8: Wall preset = Preset 3**	APPLY WALL 8 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 33 0D 0A
293	**Video walls: Wall 8: Wall preset = Preset 4**	APPLY WALL 8 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 34 0D 0A
294	**Video walls: Wall 8: Wall preset = Preset 5**	APPLY WALL 8 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 35 0D 0A
295	**Video walls: Wall 8: Wall preset = Preset 6**	APPLY WALL 8 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 36 0D 0A
296	**Video walls: Wall 8: Wall preset = Preset 7**	APPLY WALL 8 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 37 0D 0A
297	**Video walls: Wall 8: Wall preset = Preset 8**	APPLY WALL 8 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 38 0D 0A
298	**Video walls: Wall 8: Wall preset = Preset 9**	APPLY WALL 8 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 38 20 50 52 45 53 45 54 20 39 0D 0A
299	**Video walls: Wall 9: Wall preset = Preset 1**	APPLY WALL 9 PRESET 1	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 31 0D 0A
300	**Video walls: Wall 9: Wall preset = Preset 2**	APPLY WALL 9 PRESET 2	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 32 0D 0A
301	**Video walls: Wall 9: Wall preset = Preset 3**	APPLY WALL 9 PRESET 3	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 33 0D 0A
302	**Video walls: Wall 9: Wall preset = Preset 4**	APPLY WALL 9 PRESET 4	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 34 0D 0A
303	**Video walls: Wall 9: Wall preset = Preset 5**	APPLY WALL 9 PRESET 5	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 35 0D 0A
304	**Video walls: Wall 9: Wall preset = Preset 6**	APPLY WALL 9 PRESET 6	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 36 0D 0A
305	**Video walls: Wall 9: Wall preset = Preset 7**	APPLY WALL 9 PRESET 7	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 37 0D 0A
306	**Video walls: Wall 9: Wall preset = Preset 8**	APPLY WALL 9 PRESET 8	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 38 0D 0A
307	**Video walls: Wall 9: Wall preset = Preset 9**	APPLY WALL 9 PRESET 9	41 50 50 4C 59 20 57 41 4C 4C 20 39 20 50 52 45 53 45 54 20 39 0D 0A

3. READING IT BACK

Send this to read the controller back (on a timer, or after a change).

#	String	Bytes (hex)	The reply gives

1	`GET STATUS`	`47 45 54 20 53 54 41 54 55 53 0D 0A`	Encoder, Boxes: the encoder and decoder tables, one row per box by its 3-digit number (a decoder's row names the encoder it shows)

Installer settings (streams, I/O ports, layouts, the network, logins and firmware) stay on the AVO-IPCTL-SDV's own page.

4. TROUBLESHOOTING

Nothing happens.
Check the AVO-IPCTL-SDV's address and that TCP 23 is open from the Tesira server to it, and that Telnet is on in the AVO-IPCTL-SDV's own page at port 23.

It answers [ERROR].
The value names something not in the AVO-IPCTL-SDV's list.