AVO-IPCTL-265 Tesira Command Sheet

For Tesira Command String blocks · Version 1.1.0

Every command for the AVO-IPCTL-265, as fixed strings for Tesira Command String blocks. It controls the AVO-IPCTL-265 straight over the network, on the AVO-IPCTL-265's own control port (Telnet 23). No other KanexPro software is needed. The same strings are in `KanexPro-AVO-IPCTL-265-Tesira-Command-Sheet-1.1.0.csv` for copying.

> **Before you start —** the Tesira server must reach the AVO-IPCTL-265'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-265's address (its CTRL port). Port 23 is the AVO-IPCTL-265'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

140 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} (1 to 64, written with at least 3 digits (001))**	`SET DEC 000 SWITCH {encoder} ALL`	`the number in place of {encoder}`
2	**Route: All decoders: Encoder = Encoder 1**	`SET DEC 000 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 30 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
3	**Route: All decoders: Encoder = Encoder 33**	`SET DEC 000 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 30 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`
4	**Route: All decoders: Encoder = Encoder 64**	`SET DEC 000 SWITCH 064 ALL`	`53 45 54 20 44 45 43 20 30 30 30 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A`
5	**Route: Decoder 1: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))**	`SET DEC 001 SWITCH {encoder} ALL`	`the number in place of {encoder}`
6	**Route: Decoder 1: Encoder = Encoder 1**	`SET DEC 001 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 31 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
7	**Route: Decoder 1: Encoder = Encoder 33**	`SET DEC 001 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 31 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`
8	**Route: Decoder 1: Encoder = Encoder 64**	`SET DEC 001 SWITCH 064 ALL`	`53 45 54 20 44 45 43 20 30 30 31 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A`
9	**Route: Decoder 2: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))**	`SET DEC 002 SWITCH {encoder} ALL`	`the number in place of {encoder}`

10	Route: Decoder 2: Encoder = Encoder 1	`SET DEC 002 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 32 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
11	Route: Decoder 2: Encoder = Encoder 33	`SET DEC 002 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 32 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`
12	Route: Decoder 2: Encoder = Encoder 64	`SET DEC 002 SWITCH 064 ALL`	`53 45 54 20 44 45 43 20 30 30 32 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A`
13	Route: Decoder 3: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	`SET DEC 003 SWITCH {encoder} ALL`	`the number in place of {encoder}`
14	Route: Decoder 3: Encoder = Encoder 1	`SET DEC 003 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 33 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
15	Route: Decoder 3: Encoder = Encoder 33	`SET DEC 003 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 33 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`
16	Route: Decoder 3: Encoder = Encoder 64	`SET DEC 003 SWITCH 064 ALL`	`53 45 54 20 44 45 43 20 30 30 33 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A`
17	Route: Decoder 4: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	`SET DEC 004 SWITCH {encoder} ALL`	`the number in place of {encoder}`
18	Route: Decoder 4: Encoder = Encoder 1	`SET DEC 004 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 34 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
19	Route: Decoder 4: Encoder = Encoder 33	`SET DEC 004 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 34 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`
20	Route: Decoder 4: Encoder = Encoder 64	`SET DEC 004 SWITCH 064 ALL`	`53 45 54 20 44 45 43 20 30 30 34 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A`
21	Route: Decoder 5: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	`SET DEC 005 SWITCH {encoder} ALL`	`the number in place of {encoder}`
22	Route: Decoder 5: Encoder = Encoder 1	`SET DEC 005 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 35 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
23	Route: Decoder 5: Encoder = Encoder 33	`SET DEC 005 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 35 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`
24	Route: Decoder 5: Encoder = Encoder 64	`SET DEC 005 SWITCH 064 ALL`	`53 45 54 20 44 45 43 20 30 30 35 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A`
25	Route: Decoder 6: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	`SET DEC 006 SWITCH {encoder} ALL`	`the number in place of {encoder}`
26	Route: Decoder 6: Encoder = Encoder 1	`SET DEC 006 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 36 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
27	Route: Decoder 6: Encoder = Encoder 33	`SET DEC 006 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 36 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`
28	Route: Decoder 6: Encoder = Encoder 64	`SET DEC 006 SWITCH 064 ALL`	`53 45 54 20 44 45 43 20 30 30 36 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A`
29	Route: Decoder 7: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	`SET DEC 007 SWITCH {encoder} ALL`	`the number in place of {encoder}`
30	Route: Decoder 7: Encoder = Encoder 1	`SET DEC 007 SWITCH 001 ALL`	`53 45 54 20 44 45 43 20 30 30 37 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A`
31	Route: Decoder 7: Encoder = Encoder 33	`SET DEC 007 SWITCH 033 ALL`	`53 45 54 20 44 45 43 20 30 30 37 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A`

32	Route: Decoder 7: Encoder = Encoder 64	SET DEC 007 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 30 37 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
33	Route: Decoder 8: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 008 SWITCH {encoder} ALL	the number in place of {encoder}
34	Route: Decoder 8: Encoder = Encoder 1	SET DEC 008 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 30 38 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
35	Route: Decoder 8: Encoder = Encoder 33	SET DEC 008 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 30 38 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
36	Route: Decoder 8: Encoder = Encoder 64	SET DEC 008 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 30 38 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
37	Route: Decoder 9: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 009 SWITCH {encoder} ALL	the number in place of {encoder}
38	Route: Decoder 9: Encoder = Encoder 1	SET DEC 009 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 30 39 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
39	Route: Decoder 9: Encoder = Encoder 33	SET DEC 009 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 30 39 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
40	Route: Decoder 9: Encoder = Encoder 64	SET DEC 009 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 30 39 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
41	Route: Decoder 10: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 010 SWITCH {encoder} ALL	the number in place of {encoder}
42	Route: Decoder 10: Encoder = Encoder 1	SET DEC 010 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 31 30 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
43	Route: Decoder 10: Encoder = Encoder 33	SET DEC 010 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 31 30 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
44	Route: Decoder 10: Encoder = Encoder 64	SET DEC 010 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 31 30 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
45	Route: Decoder 11: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 011 SWITCH {encoder} ALL	the number in place of {encoder}
46	Route: Decoder 11: Encoder = Encoder 1	SET DEC 011 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 31 31 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
47	Route: Decoder 11: Encoder = Encoder 33	SET DEC 011 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 31 31 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
48	Route: Decoder 11: Encoder = Encoder 64	SET DEC 011 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 31 31 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
49	Route: Decoder 12: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 012 SWITCH {encoder} ALL	the number in place of {encoder}
50	Route: Decoder 12: Encoder = Encoder 1	SET DEC 012 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 31 32 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
51	Route: Decoder 12: Encoder = Encoder 33	SET DEC 012 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 31 32 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
52	Route: Decoder 12: Encoder = Encoder 64	SET DEC 012 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 31 32 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
53	Route: Decoder 13: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 013 SWITCH {encoder} ALL	the number in place of {encoder}

54	Route: Decoder 13: Encoder = Encoder 1	SET DEC 013 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 31 33 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
55	Route: Decoder 13: Encoder = Encoder 33	SET DEC 013 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 31 33 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
56	Route: Decoder 13: Encoder = Encoder 64	SET DEC 013 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 31 33 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
57	Route: Decoder 14: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 014 SWITCH {encoder} ALL	the number in place of {encoder}
58	Route: Decoder 14: Encoder = Encoder 1	SET DEC 014 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 31 34 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
59	Route: Decoder 14: Encoder = Encoder 33	SET DEC 014 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 31 34 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
60	Route: Decoder 14: Encoder = Encoder 64	SET DEC 014 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 31 34 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
61	Route: Decoder 15: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 015 SWITCH {encoder} ALL	the number in place of {encoder}
62	Route: Decoder 15: Encoder = Encoder 1	SET DEC 015 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 31 35 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
63	Route: Decoder 15: Encoder = Encoder 33	SET DEC 015 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 31 35 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
64	Route: Decoder 15: Encoder = Encoder 64	SET DEC 015 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 31 35 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
65	Route: Decoder 16: Encoder = {encoder} (1 to 64, written with at least 3 digits (001))	SET DEC 016 SWITCH {encoder} ALL	the number in place of {encoder}
66	Route: Decoder 16: Encoder = Encoder 1	SET DEC 016 SWITCH 001 ALL	53 45 54 20 44 45 43 20 30 31 36 20 53 57 49 54 43 48 20 30 30 31 20 41 4C 4C 0D 0A
67	Route: Decoder 16: Encoder = Encoder 33	SET DEC 016 SWITCH 033 ALL	53 45 54 20 44 45 43 20 30 31 36 20 53 57 49 54 43 48 20 30 33 33 20 41 4C 4C 0D 0A
68	Route: Decoder 16: Encoder = Encoder 64	SET DEC 016 SWITCH 064 ALL	53 45 54 20 44 45 43 20 30 31 36 20 53 57 49 54 43 48 20 30 36 34 20 41 4C 4C 0D 0A
69	Route: Decoder 1: Show ID on	SET DEC 001 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
70	Route: Decoder 1: Show ID off	SET DEC 001 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
71	Route: Decoder 2: Show ID on	SET DEC 002 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
72	Route: Decoder 2: Show ID off	SET DEC 002 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
73	Route: Decoder 3: Show ID on	SET DEC 003 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
74	Route: Decoder 3: Show ID off	SET DEC 003 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
75	Route: Decoder 4: Show ID on	SET DEC 004 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
76	Route: Decoder 4: Show ID off	SET DEC 004 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A

77	Route: Decoder 5: Show ID on	SET DEC 005 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
78	Route: Decoder 5: Show ID off	SET DEC 005 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
79	Route: Decoder 6: Show ID on	SET DEC 006 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
80	Route: Decoder 6: Show ID off	SET DEC 006 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
81	Route: Decoder 7: Show ID on	SET DEC 007 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 37 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
82	Route: Decoder 7: Show ID off	SET DEC 007 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 37 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
83	Route: Decoder 8: Show ID on	SET DEC 008 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 38 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
84	Route: Decoder 8: Show ID off	SET DEC 008 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 38 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
85	Route: Decoder 9: Show ID on	SET DEC 009 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 30 39 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
86	Route: Decoder 9: Show ID off	SET DEC 009 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 30 39 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
87	Route: Decoder 10: Show ID on	SET DEC 010 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 31 30 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
88	Route: Decoder 10: Show ID off	SET DEC 010 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 31 30 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
89	Route: Decoder 11: Show ID on	SET DEC 011 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 31 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
90	Route: Decoder 11: Show ID off	SET DEC 011 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 31 31 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
91	Route: Decoder 12: Show ID on	SET DEC 012 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 31 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
92	Route: Decoder 12: Show ID off	SET DEC 012 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 31 32 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
93	Route: Decoder 13: Show ID on	SET DEC 013 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 31 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
94	Route: Decoder 13: Show ID off	SET DEC 013 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 31 33 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
95	Route: Decoder 14: Show ID on	SET DEC 014 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 31 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
96	Route: Decoder 14: Show ID off	SET DEC 014 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 31 34 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
97	Route: Decoder 15: Show ID on	SET DEC 015 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 31 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
98	Route: Decoder 15: Show ID off	SET DEC 015 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 31 35 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A
99	Route: Decoder 16: Show ID on	SET DEC 016 OUTPUT OSD ON	53 45 54 20 44 45 43 20 30 31 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 4E 0D 0A
100	Route: Decoder 16: Show ID off	SET DEC 016 OUTPUT OSD OFF	53 45 54 20 44 45 43 20 30 31 36 20 4F 55 54 50 55 54 20 4F 53 44 20 4F 46 46 0D 0A

101	Presets: Matrix presets 1	APPLY MATRIX PRESET 01	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 31 0D 0A
102	Presets: Matrix presets 2	APPLY MATRIX PRESET 02	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 32 0D 0A
103	Presets: Matrix presets 3	APPLY MATRIX PRESET 03	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 33 0D 0A
104	Presets: Matrix presets 4	APPLY MATRIX PRESET 04	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 34 0D 0A
105	Presets: Matrix presets 5	APPLY MATRIX PRESET 05	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 35 0D 0A
106	Presets: Matrix presets 6	APPLY MATRIX PRESET 06	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 36 0D 0A
107	Presets: Matrix presets 7	APPLY MATRIX PRESET 07	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 37 0D 0A
108	Presets: Matrix presets 8	APPLY MATRIX PRESET 08	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 38 0D 0A
109	Presets: Matrix presets 9	APPLY MATRIX PRESET 09	41 50 50 4C 59 20 4D 41 54 52 49 58 20 50 52 45 53 45 54 20 30 39 0D 0A
110	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
111	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
112	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
113	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
114	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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	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

125	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`
126	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`
127	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`
128	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`
129	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`
130	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`
131	Video walls: Wall 1: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 01 PRESET {level}`	`the level in place of {level}`
132	Video walls: Wall 1: Wall preset = 1	`APPLY WALL 01 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 31 20 50 52 45 53 45 54 20 30 31 0D 0A`
133	Video walls: Wall 1: Wall preset = 129	`APPLY WALL 01 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 31 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
134	Video walls: Wall 1: Wall preset = 256	`APPLY WALL 01 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 31 20 50 52 45 53 45 54 20 32 35 36 0D 0A`
135	Video walls: Wall 2: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 02 PRESET {level}`	`the level in place of {level}`
136	Video walls: Wall 2: Wall preset = 1	`APPLY WALL 02 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 32 20 50 52 45 53 45 54 20 30 31 0D 0A`
137	Video walls: Wall 2: Wall preset = 129	`APPLY WALL 02 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 32 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
138	Video walls: Wall 2: Wall preset = 256	`APPLY WALL 02 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 32 20 50 52 45 53 45 54 20 32 35 36 0D 0A`
139	Video walls: Wall 3: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 03 PRESET {level}`	`the level in place of {level}`
140	Video walls: Wall 3: Wall preset = 1	`APPLY WALL 03 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 33 20 50 52 45 53 45 54 20 30 31 0D 0A`
141	Video walls: Wall 3: Wall preset = 129	`APPLY WALL 03 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 33 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
142	Video walls: Wall 3: Wall preset = 256	`APPLY WALL 03 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 33 20 50 52 45 53 45 54 20 32 35 36 0D 0A`
143	Video walls: Wall 4: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 04 PRESET {level}`	`the level in place of {level}`
144	Video walls: Wall 4: Wall preset = 1	`APPLY WALL 04 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 34 20 50 52 45 53 45 54 20 30 31 0D 0A`
145	Video walls: Wall 4: Wall preset = 129	`APPLY WALL 04 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 34 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
146	Video walls: Wall 4: Wall preset = 256	`APPLY WALL 04 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 34 20 50 52 45 53 45 54 20 32 35 36 0D 0A`

147	Video walls: Wall 5: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 05 PRESET {level}`	`the level in place of {level}`
148	Video walls: Wall 5: Wall preset = 1	`APPLY WALL 05 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 35 20 50 52 45 53 45 54 20 30 31 0D 0A`
149	Video walls: Wall 5: Wall preset = 129	`APPLY WALL 05 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 35 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
150	Video walls: Wall 5: Wall preset = 256	`APPLY WALL 05 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 35 20 50 52 45 53 45 54 20 32 35 36 0D 0A`
151	Video walls: Wall 6: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 06 PRESET {level}`	`the level in place of {level}`
152	Video walls: Wall 6: Wall preset = 1	`APPLY WALL 06 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 36 20 50 52 45 53 45 54 20 30 31 0D 0A`
153	Video walls: Wall 6: Wall preset = 129	`APPLY WALL 06 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 36 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
154	Video walls: Wall 6: Wall preset = 256	`APPLY WALL 06 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 36 20 50 52 45 53 45 54 20 32 35 36 0D 0A`
155	Video walls: Wall 7: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 07 PRESET {level}`	`the level in place of {level}`
156	Video walls: Wall 7: Wall preset = 1	`APPLY WALL 07 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 37 20 50 52 45 53 45 54 20 30 31 0D 0A`
157	Video walls: Wall 7: Wall preset = 129	`APPLY WALL 07 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 37 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
158	Video walls: Wall 7: Wall preset = 256	`APPLY WALL 07 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 37 20 50 52 45 53 45 54 20 32 35 36 0D 0A`
159	Video walls: Wall 8: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 08 PRESET {level}`	`the level in place of {level}`
160	Video walls: Wall 8: Wall preset = 1	`APPLY WALL 08 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 38 20 50 52 45 53 45 54 20 30 31 0D 0A`
161	Video walls: Wall 8: Wall preset = 129	`APPLY WALL 08 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 38 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
162	Video walls: Wall 8: Wall preset = 256	`APPLY WALL 08 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 38 20 50 52 45 53 45 54 20 32 35 36 0D 0A`
163	Video walls: Wall 9: Wall preset = {level} (1 to 256, written with at least 2 digits (01))	`APPLY WALL 09 PRESET {level}`	`the level in place of {level}`
164	Video walls: Wall 9: Wall preset = 1	`APPLY WALL 09 PRESET 01`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 39 20 50 52 45 53 45 54 20 30 31 0D 0A`
165	Video walls: Wall 9: Wall preset = 129	`APPLY WALL 09 PRESET 129`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 39 20 50 52 45 53 45 54 20 31 32 39 0D 0A`
166	Video walls: Wall 9: Wall preset = 256	`APPLY WALL 09 PRESET 256`	`41 50 50 4C 59 20 57 41 4C 4C 20 30 39 20 50 52 45 53 45 54 20 32 35 36 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-265's own page.

4. TROUBLESHOOTING

Nothing happens.
Check the AVO-IPCTL-265's address and that TCP 23 is open from the Tesira server to it, and that Telnet is on in the AVO-IPCTL-265's own page at port 23.

It answers [ERROR].
The value names something not in the AVO-IPCTL-265's list.