AVO-IPJP2K-DEC Tesira Command Sheet

For Tesira Command String blocks · Version 1.1.0

Every command for one AVO-IPJP2K-DEC, as fixed strings for Tesira Command String blocks. It controls the AVO-IPJP2K-DEC through its AVO-IPCTL-JP2K controller, on the controller's control port (Telnet 23). Connect it to the controller's address; the AVO-IPJP2K-DEC is named by its decoder number in the controller's list. No other KanexPro software is needed. The same strings are in `KanexPro-AVO-IPJP2K-DEC-Tesira-Command-Sheet-1.1.0.csv` for copying.

> **Before you start —** the Tesira server must reach the AVO-IPCTL-JP2K's CTRL port on TCP 23. Give the controller a fixed IP address (or a DHCP reservation), and note this AVO-IPJP2K-DEC's decoder number in its list.

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1. CONNECTION

HOW THE STRINGS ARE SENT	
Transport	TCP, port 23, to the AVO-IPCTL-JP2K's address (its CTRL port). Port 23 is the AVO-IPCTL-JP2K's Telnet control port; Telnet must be on in its own page (it is as shipped).
{n}	this AVO-IPJP2K-DEC's decoder number in the AVO-IPCTL-JP2K's list: put it in place of {n} in every string.
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

11 strings, and a template for each list too long to write out. The Bytes column is for decoder number 1.

#	Command	String	Bytes (hex, with the line ending)
1	**Decoder: Encoder = {encoder} (0 to 64, 0 = nothing)**	`SET DEC {n} SWITCH {encoder} ALL`	`the number in place of {encoder}`
2	**Decoder: Encoder = Nothing**	`SET DEC {n} 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`
3	**Decoder: Encoder = Encoder 32**	`SET DEC {n} 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`
4	**Decoder: Encoder = Encoder 64**	`SET DEC {n} 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`
5	**Decoder: Picture On**	`SET DEC {n} OUTPUT ON`	`53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4F 4E 0D 0A`
6	**Decoder: Picture Off**	`SET DEC {n} OUTPUT OFF`	`53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 4F 46 46 0D 0A`
7	**Decoder: Sound Mute**	`SET DEC {n} 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`
8	**Decoder: Sound Sound on**	`SET DEC {n} 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`

9	**Decoder: Freeze Freeze**	`SET DEC {n} OUTPUT FREEZE ON`	`53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 46 52 45 45 5A 45 20 4F 4E 0D 0A`
10	**Decoder: Freeze Unfreeze**	`SET DEC {n} OUTPUT FREEZE OFF`	`53 45 54 20 44 45 43 20 31 20 4F 55 54 50 55 54 20 46 52 45 45 5A 45 20 4F 46 46 0D 0A`
11	**Decoder: ID on screen Show**	`SET DEC {n} 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`
12	**Decoder: ID on screen Hide**	`SET DEC {n} 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`

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, Online, Screen connected: 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-JP2K's own page.

4. TROUBLESHOOTING

Nothing happens.
Check the AVO-IPCTL-JP2K's address and that TCP 23 is open from the Tesira server to it, and that Telnet is on in the AVO-IPCTL-JP2K's own page at port 23.

It answers [ERROR].
The value names something not in the AVO-IPCTL-JP2K's list, or {n} is not this AVO-IPJP2K-DEC's decoder number.