AVO-IPJP2KD-DEC Control4 Driver Guide

For Composer Pro · Driver version 1.1.0

The KanexPro AVO-IPJP2KD-DEC driver lets a Control4 system control one AVO-IPJP2KD-DEC. It controls the AVO-IPJP2KD-DEC through its AVO-IPCTL-JP2K controller, on the controller's control port (Telnet 23). Connect it to the controller's address; the AVO-IPJP2KD-DEC is named by its decoder number in the controller's list. No other KanexPro software is needed. Each control is a programming command, and each reading is a variable that follows changes made on the AVO-IPCTL-JP2K's own page or by another system.

Before you start — the Control4 controller must reach the AVO-IPCTL-JP2K's CTRL port on TCP 23, and Telnet must be on in the AVO-IPCTL-JP2K's own page (it is as shipped).

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1. INSTALL THE DRIVER

1. Download **KanexPro-AVO-IPJP2KD-DEC-C4-1.1.0.zip** from the AVO-IPJP2KD-DEC page on kanexpro.com (Resources) and unzip it.
2. In Composer Pro, add the driver from the file `KanexPro-AVO-IPJP2KD-DEC-C4.c4z` (Driver > Add or Update Driver, or drag the file in).
3. Add it to the project in the room where the unit is.
4. Select it and set its properties (section 2). **Connection** shows Connected once it reaches the unit.

One driver per unit — for two AVO-IPJP2KD-DEC units, add the driver twice and give each its own decoder number.

2. PROPERTIES

DRIVER PROPERTIES	
IP Address	The AVO-IPCTL-JP2K's address on the control network (its CTRL port). Empty by default.
Port	23 (Telnet), the AVO-IPCTL-JP2K's control port. Leave it unless the controller's own page moves it. Default 23.
Decoder Number	This AVO-IPJP2KD-DEC's decoder number in the AVO-IPCTL-JP2K's list (its own page, or GET STATUS). Default 1.
Poll Interval	How often it reads the controller back (0 = only after a change). Default 10 s.
Debug Mode	On prints every command and reply to the Lua output.
Connection	Read only: Connected, Connecting, Not connected (and why), Refused (and which command), or what to set.
Driver Version	Read only: 1.1.0.

Action: **Reconnect** connects again at once.

3. PROGRAMMING COMMANDS

5 commands. Use them in Composer's Programming view, from any event.

#	Command	Parameters	What it does

1	**Route**	Encoder (a list: Nothing, Encoder 1, Encoder 2, Encoder 3 ...)	Shows the encoder you pick on this AVO-IPJP2KD-DEC, by its number in the AVO-IPCTL-JP2K's list (Nothing blanks it).
2	**Picture**	Button (a list: On, Off)	Presses the button you pick: On, Off.
3	**Sound**	Button (a list: Mute, Sound on)	Presses the button you pick: Mute, Sound on.
4	**Freeze**	Button (a list: Freeze, Unfreeze)	Presses the button you pick: Freeze, Unfreeze.
5	**ID on screen**	Button (a list: Show, Hide)	Presses the button you pick: Show, Hide.

4. VARIABLES

`STATUS` is the Connection text. The others follow the unit, whoever changes it:

#	Variable	Kind	What it holds
1	`ROUTE`	text	Decoder Shows encoder
2	`ONLINE`	on/off	Readings Online
3	`HDMI`	on/off	Readings Screen connected

5. TROUBLESHOOTING

Connection says Not connected.
Check the IP Address property against the AVO-IPCTL-JP2K's CTRL port address (its own page or front panel), and that TCP port 23 is open from the Control4 controller to it. Telnet must be on in the AVO-IPCTL-JP2K's own page, at port 23.

It controls the wrong box, or none.
Check the Decoder Number property: it is the decoder's number in the AVO-IPCTL-JP2K's list, not its IP address.

Connection says Refused, and names a command.
The AVO-IPCTL-JP2K refused that change, for example a number that is not in its list.

Changes made elsewhere do not show in Control4.
Set Poll Interval above 0. Changes made on the AVO-IPCTL-JP2K's own page or by another system then show in the variables within that many seconds.

I need to see what the driver sends.
Set Debug Mode to On: the Lua output in Composer shows every command sent and every reply.