

GENERAL INFORMATION

CATEGORY	Video switching
VERSION	1.0.0.2
SUMMARY	Controls the Intelix FLX Series via RS-232 or IP.
GENERAL NOTES	Controls routing of sources to destinations based on analog inputs. Provides polling routine with adjustable timing. Provides EDID management including reset and copying from outputs. Provides preset management including save, reset, and clear. Provides standby control. Provides route-through and deroute all functions. Provides front panel lock out. Provides asynchronous feedback message control. Provides per-input HDCP compliance control. Provides per-input input signal type control. Provides per-input VGA auto-adjust. Provides per-input scaling controls. Provides per-input HDMI audio embedding controls. Provides true feedback.
COMMUNICATION SETUP	RS232: 9600 Baud, No Parity, 8 Data Bits, 1 Stop Bit TCP/IP: Port 4001
MODULE DEFINITION	<pre>define_module 'Intelix FLX-Series v1_0_0_2' intelix(dvFLX88, vdvFLX88)</pre>

CONTROL

Poll All Outputs Pulse to refresh routing feedback	Channel 1 pulse[vdv, 1]
Route to Output n Send level to route to Output	Level n send_level vdv, 1, 3
Set Hostname to xxxxx For IP control, set Hostname to connect to	Command 'HOST=xxxxx' send_command vdv, 'HOST=192.168.0.178'
Set Port to nnnnn For IP control, set Port to connect to	Command 'PORT=nnnnn' send_command vdv, 'PORT=23'
EDID Reset All Reset all EDID signatures on Inputs to factory defaults	Command 'EDID RESET' send_command vdv, 'EDID RESET'
Recall Preset n Recall previously saved routing preset	Command 'PRESET RECALL=nn' send_command vdv, 'PRESET RECALL=7'

Store Preset n

Store routing preset for later recall

Command 'PRESET STORE=nn'

send_command vdv, 'PRESET STORE=5'

Clear Preset n

Erase routing preset

Command 'PRESET CLEAR=nn'

send_command vdv, 'PRESET CLEAR=3'

Power On

Power unit on

Pulse Channel 27

pulse[vdv, 27]

Power Off

Power unit off

Pulse Channel 28

pulse[vdv, 28]

Route all Inputs Through

Route input 1 to Output 1, 2 to 2, 3 to 3, etc.

Command 'ROUTES=ALL THROUGH'

send_command vdv, 'ROUTES=ALL THROUGH'

Unroute all Outputs

Clear all routing assignments

Command 'ROUTES=ALL CLEAR'

send_command vdv, 'ROUTES=ALL CLEAR'

Front Panel Lock

Disable commands entered on front panel

Pulse Channel 70

pulse[vdv, 70]

Front Panel Unlock

Enable commands entered on front panel

Pulse Channel 71

pulse[vdv, 71]

Feedback Messages On

Enable front panel routing feedback

Pulse Channel 72

pulse[vdv, 72]

Feedback Messages Off

Disable front panel routing feedback

Pulse Channel 73

pulse[vdv, 73]

Copy EDID for Input from Output

Assign EDID from Output oo to Input ii

Command 'INPUT ii EDID=oo'

send_command vdv, 'INPUT 01 EDID=03'

Enable HDCP Compliance for Input nn

Allow input card to negotiate HDCP security

Command 'INPUT nn HDCP=ON'

send_command vdv, 'INPUT 01 HDCP=ON'

Disable HDCP Compliance for Input nn

Prohibit input card from negotiating HDCP security

Command 'INPUT nn HDCP=OFF'

send_command vdv, 'INPUT 01 HDCP=OFF'

Set Input nn Signal Type to VGA

Set Input Signal Type to VGA

Command 'INPUT nn RI4 SIGNAL=VGA'

send_command vdv, 'INPUT 01 RI4
SIGNAL=VGA'

Set Input nn Signal Type to Component
Set Input Signal Type to Component (YPbPr)

Command 'INPUT nn RI4 SIGNAL=YPBPR'
send_command vdv, 'INPUT 01 RI4
SIGNAL=YPBPR'

Set Input nn Signal Type to S-Video
Set Input Signal Type to S-Video

Command 'INPUT nn RI4 SIGNAL=S-VIDEO'
send_command vdv, 'INPUT 01 RI4
SIGNAL=S-VIDEO'

Set Input nn Signal Type to Composite
Set Input Signal Type to Video

Command 'INPUT nn RI4 SIGNAL=VIDEO'
send_command vdv, 'INPUT 01 RI4
SIGNAL=VIDEO'

Trigger VGA Auto-adjust on Input nn
Cause input card to analyze VGA signal for alignment

Command 'INPUT nn RI4 AUTOADJUST'
send_command vdv, 'INPUT 01 RI4
AUTOADJUST'

Set Input nn Scaler Resolution to 1024x768
Configure internal scaler for XGA resolution

Command 'INPUT nn RI4 SCALER=XGA'
send_command vdv, 'INPUT 01 RI4
SCALER=XGA'

Set Input nn Scaler Resolution to 1280x720
Configure internal scaler for 720p resolution

Command 'INPUT nn RI4 SCALER=720P'
send_command vdv, 'INPUT 01 RI4
SCALER=720P'

Set Input nn Scaler Resolution to 1280x800
Configure internal scaler for WXGA resolution

Command 'INPUT nn RI4 SCALER=WXGA'
send_command vdv, 'INPUT 01 RI4
SCALER=WXGA'

Set Input nn Scaler Resolution to 1920x1080
Configure internal scaler for 1080p resolution

Command 'INPUT nn RI4 SCALER=1080P'
send_command vdv, 'INPUT 01 RI4
SCALER=1080P'

Set Input nn Audio Source to Digital
Configure HDMI input to capture HDMI audio

Command 'INPUT nn HI4A AUDIO=DIGITAL'
send_command vdv, 'INPUT 01 HI4A
AUDIO=DIGITAL'

Set Input nn Audio Source to Analog
Configure HDMI input to capture external audio

Command 'INPUT nn HI4A AUDIO=ANALOG'
send_command vdv, 'INPUT 01 HI4A
AUDIO=ANALOG'

FEEDBACK

Input n Routed to Output x

True feedback, reports when routing changes

String 'OUT xx: nn'

'OUT 01: 03'

Unit Powered On

True feedback, unit powered on

String 'POWER: ON'

'POWER: ON'

Unit Powered Off

True feedback, unit powered off

String 'POWER: OFF'

'POWER: OFF'

Front Panel is Locked

True feedback, front panel locked

String 'FRONT PANEL:LOCKED'

'FRONT PANEL: LOCKED'

Front Panel is Unlocked

True feedback, front panel unlocked

String 'FRONT PANEL:UNLOCKED'

'FRONT PANEL: UNLOCKED'

Feedback Messages Are On

True feedback, feedback messages are on

String 'FEEDBACK: ON'

'FEEDBACK: ON'

Feedback Messages Are Off

True feedback, feedback messages are off

String 'FEEDBACK: OFF'

'FEEDBACK: OFF'