GENERAL INFORMATION

CATEGORY   Video switching

VERSION   1.0.0.1

SUMMARY   Controls the Intelix DL-HDM44 via RS-232

GENERAL NOTES   Controls routing of HDMI sources to HDMI destinations via level events, channel events, or send commands. Provides unit power on and off functions. Provides ability to enable or disable true feedback of switch state. Provides EDID set internally or from device connected to Output A. Provides ability to configure built in web server IP addressing. Provides true feedback.

COMMUNICATION SETUP RS232: 19200 Baud, No Parity, 8 Data Bits, 1 Stop Bit

MODULE DEFINITION
```
define_module 'Intelix DL-HDM44 v1_0_0_1'
intelix(dvSwitch, vdvSwitch)
```

CONTROL

CHANNEL EVENTS

Get Status Information   Channel 1
Pulse to perform status query   `pulse[vdv, 1]`
Virtual device receives string responses*

Get IP Information   Channel 2
Pulse to receive Diagnostics Messages   `pulse [vdv, 2]`
of web server IP configuration**

Toggle EDID source   Channel 8
Changes from Internal EDID to Output A   `pulse [vdv, 8]`

Toggle Power   Channel 9
Turn unit on or off   `pulse [vdv, 9]`

Power On   Channel 27
Turn unit on   `pulse [vdv, 27]`

Power Off   Channel 28
Turn unit off   `pulse [vdv, 28]`

Route to Output n   Channels 11-14, 21-24, 31-34, 41-44
Single routing selection   `pulse [vdv, 23] //in 2 to out C`
11-14 routes input 1, 21-24 routes input 2,
etc. x1 routes to Output A, x2 routes to
output B, etc.

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Route Input n   Channels 10, 20, 30, 40
Routes selection input to all outputs   `pulse [vdv, 30] //in 3 to A,B,C,D`

LEVEL EVENTS

Route to Output n   Levels 1,2,3,4; integer values 1-4
Single routing selection   `send_level vdv,2,3 //in 2 to out C`

SEND COMMANDS

Get Status Information   Command 'POLL'
Pulse to perform status query   `send_command vdv, 'POLL'`
Virtual device receives string responses*

Get IP Information   Command 'GETIP'
Pulse to receive Diagnostics Messages   `send_command vdv, 'GETIP'`
of web server IP configuration**

Set Web Server to DHCP IP Address   Command 'DHCP'
Pulse to set web server to DHCP address   `send_command vdv, 'DHCP'`

Set Web Server Static IP Address   Command 'SETIP=xxxxx'
Pulse to set web server Static IP address   `send_command vdv, 'SETIP=192.168.1.44'`

Set Web Server IP Address NetMask   Command 'NETMASK=xxxxx'
Pulse to set web server IP address NetMask   `send_command vdv,'NETMASK=255.255.0.0'`

Set Network Gateway   Command 'GATEWAY=xxxxx'
Pulse to set network gateway   `send_command vdv,'GATEWAY=192.168.8.1'`

Set True Feedback State   Command 'TRUEFEEDBACK=n'
Parameters are 0=off, 1=on   `send_command vdv,'TRUEFEEDBACK=1'//on`

Set Debug State   Command 'DEBUG=n'
Parameters are 0=off, 1=on   `send_command vdv,'DEBUG=1'//on`
(Debug should be on when querying for Web Server
IP configuration)

Set Routing to Default   Command 'RESET'
Routes 1 to A, 2 to B, 3 to C, 4 to D   `send_command vdv,'RESET'`

Route to Output n   Command 'OUTxxx=i'
Routes input I to output(s) x   `send_command vdv,'OUT24=3'`
One to Four outputs can be specified   `//input 3 to outputs 2 and 4`

Passthrough of Commands   Command 'PASSTHRU=xxxxx'
Sends strings to switcher   `send_command vdv,'PASSTHRU=ST'`

FEEDBACK

Power State
Indicates unit is on

Channel 27
`[dvSwitch,27]`

EDID Source
On indicates source is Output A

Channel 8
`[dvSwitch,8]`

Routing Feedback
Feedback mimics the channel event
for switching above, Route to Output n

Channels 11-24, 21-24, 31-34, 41-44
`[dvSwitch,24] //in 2 routed to out 4`

IP Address
Indicates set IP address

String sent to diagnostics window
`'IP=192.168.1.44'`

NetMask
Indicates set NetMask

String sent to diagnostics window
`'Netmask=255.255.0.0'`

Gateway
Indicates set Gateway

String sent to diagnostics window
`'Gateway=192.168.0.1'`

DHCP IP is on
Indicates DHCP is on

String sent to diagnostics window
`'DHCP Mode'`

Static IP is on
Indicates Static IP is on

String sent to diagnostics window
`'Static Mode'`

IP Port
Indicates IP Port
(Note: the IP Port can only be changed via
the web interface)

String sent to diagnostics window
`'Port=80'`

EDID State
Indicates EDID state
Sent when changed or Status Query (Poll)

String sent to virtual device
`'EDID STD'`
`'EDID TV'`

Firmware Version
Indicates Firmware Version
Sent from Status Query (Poll)

String sent to virtual device
`'FIRMWARE:v1.0E'`

Power State
True feedback, Indicates Power state
Sent when changed or Status Query (Poll)

String sent to virtual device
`'POWER:ON'`
`'POWER:OFF'`

Device Model
Indicates Device model
Sent from Status Query (Poll)

String sent to virtual device
`'MODEL:DL-HDM44'`

* Module send diagnostic messages for an IP Address query, responses will have a prefix for line number in module; 'Line: 217: ' for example. Debug State should be set on in order to see these messages.

** Module sends strings to virtual device for some feedback.

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