

GENERAL INFORMATION

CATEGORY	Distribution amplification
VERSION	1.0.0.1
SUMMARY	Controls the Intelix DIGI 1X4B-1H via RS-232.
GENERAL NOTES	Controls routing of an HDMI source to four HD-BaseT destinations plus one HDMI destination. Provides route-through and deroute all functions. Provides serial control for connected devices.
COMMUNICATION SETUP	RS232: 9600 Baud, No Parity, 8 Data Bits, 1 Stop Bit
MODULE DEFINITION	define_module 'Intelix DIGI-1X4B-1H v1_0_0_1' intelix(vBx, dvDIGI, qBox) (see Parameter 4)

CONTROL

Route input to all outputs Route input to all outputs	Command 'ALLON' send_command vBx, " 'ALLON' "
Deroute input to all outputs Deroute input to all outputs	Command 'ALLOFF' send_command vBx, " 'ALLOFF' "
Route input to one output Route input to one output	Command 'ON x' (see Parameter 1) send_command vBx, " 'ON 3' "
Deroute input to one output Deroute input to one output	Command 'OFF x' (see Parameter 1) send_command vBx, " 'OFF H' "
Set Baud Rate for output Set Baud Rate for output	Command 'BAUDp=bbbb' (see Parameter 2) send_command vBx, " 'BAUD2=38400' "
Send string to output Send string to output	Command 'SENDp=ssss...' (see Parameter 3) send_command vBx, " 'SEND2=' , \$02, ' PWR1' , \$03"
Reinitialize module Reinitialize module	Command 'REINIT' send_command vBx, " 'REINIT' "

PARAMETERS

1. Route or deroute outputs	x = A, H, 1, 2, 3, 4 (A = All, H = HDMI, 1-4 = HDBaseT 1-4)
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2. Baud rate parameters

p = 1, 2, 3, 4
b = 2400, 4800, 9600, 19200, 38400, 57600,
115200

3. Send string parameters

p = 1, 2, 3, 4
s = any combination of up to 48 characters

4. Define module

qBox = Variable of ASCII character 0 - f
(matches ID setting of device)

FEEDBACK

HDMI Output ON/OFF indication

Status of last change

Channel 10

channel_event[vBx, 10]

HDBaseT Outputs ON/OFF indication

Status of last change

Channels 11, 12, 13, 14

channel_event[vBx, 11]

Examples of strings sent from module to Virtual device (useful during development)

During initialization

Device 36869:1:4 set to Unit "11"
The value of passed ID is "b"

When setting baud rate for a port

Invalid Output Number. Values are 1, 2, 3 or 4.
Invalid Baud Rate Specified for Output 2: 56700
Output 3 set to 57600 baud

When sending string to an HDBT output

Invalid Output Number. Values are 1, 2, 3 or 4.
Serial string exceeds allowable length (48 characters).