

# DIGI-44B Installation and Operation Guide



## Important Safety Instructions

- **Please completely read and verify you understand all instructions in this manual before operating this equipment.**
- Keep these instructions in a safe, accessible place for future reference.
- Heed all warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Use only accessories specified or recommended by Intelix.
- Explanation of graphical symbols:
  - Lightning bolt/flash symbol: the lightning bolt/flash and arrowhead within an equilateral triangle symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product enclosure which may be of sufficient magnitude to constitute a risk of shock to a person or persons.
  - Exclamation point symbol: the exclamation point within an equilateral triangle symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.
- **WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE AND OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THIS APPARATUS.**
- Use the mains plug to disconnect the apparatus from the mains.
- **THE MAINS PLUG OF THE POWER CORD MUST REMAIN READILY ACCESSIBLE.**
- Do not defeat the safety purpose polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of your obsolete outlet. **Caution! To reduce the risk of electrical shock, grounding of the center pin of this plug must be maintained.**
- Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and the point where they exit from the apparatus.
- Do not block the air ventilation openings. Only mount the equipment per Intelix’s instructions.
- Use only with the cart, stand, table, or rack specified by Intelix or sold with the equipment. When/if a cart is used, use caution when moving the cart/equipment combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- **Caution! Shock Hazard. Do not open the unit.**
- Refer to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



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## Overview

The Intelix DIGI-44B is a four input by four output HDBaseT HDMI matrix switcher. The Intelix DIGI-44B matrix improves the ease of installation compared to previous Intelix HDMI matrix switchers.

The DIGI-44B has dual outputs on each output port, allowing the same signal to be routed to the HDMI connector and a remote destination with an HDBaseT receiver. The HDBaseT ports support 1080p HDMI video with audio, bi-directional wide-band IR, matrix control via IR and HDCP compliance. The matrix is HDMI compatible and supports up to 2K resolutions, Deep Color and full 3D capabilities.

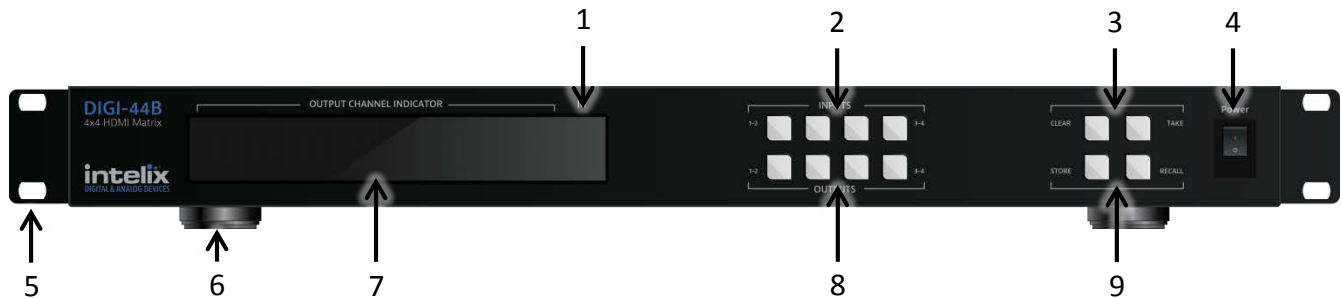
The DIGI-44B can be controlled via front panel buttons, front panel IR, external IR, remote IR through HDBaseT extenders, RS232 and Ethernet. The matrix includes a simple IR remote control to allow IR switching. This IR remote control can be learned into universal remotes and IR based control systems. The matrix also features a full command set for RS232 and Ethernet control with third party control systems.

## *Package Contents*

Please verify the following items are in the shipping box prior to installation of the DIGI-44B.

- 1 ea. DIGI-44B 4 Input 4 Output HDBaseT Matrix Switcher
- 4 ea. DIGIB-EYE IR Receivers
- 4 ea. DIGIB-EMT IR Transmitters
- 1 ea. IR Extension Cable
- 1 ea. 12VDC Power Supply
- 1 ea. Power Cable
- 1 ea. USB to Serial Adapter
- 1 ea. Infrared Remote Control with Battery (CR2025 3V)
- 2 ea. Rackmount Ears
- 6 ea. Rackmount Ears Mounting Screws
- 1 ea. DIGI-44B Installation and Operation Guide

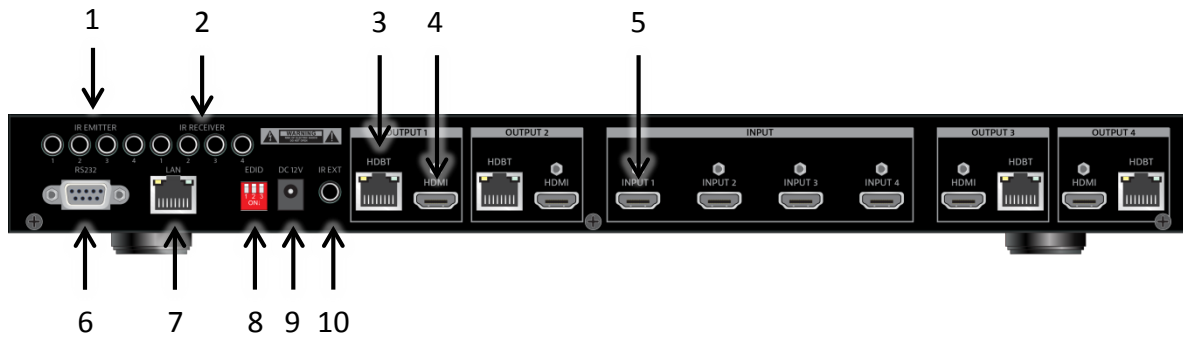
## Front Panel



- 1 - IR Receiver – For use with the included IR remote.
- 2 - Input Buttons –Buttons labeled “1-2” and “3-4”.
- 3 - Preset Buttons (Top Row) –Buttons labeled “CLEAR” and “TAKE”.
  - CLEAR – Used to cancel the current input selection.
  - TAKE – Used to make the changes active.
- 4 - Power Switch –Switch to toggle the power to the matrix.
- 5 - Rack Ears – Optional rack ears for rack mounting the DIGI-44B in an equipment rack.
- 6 - Chassis Feet –Factory installed feet for shelf top installations.
- 7 - LED Display – Routing information is displayed.
- 8 - Output Buttons – Buttons labeled “1-2” and “3-4”.
- 9 - Preset Buttons (Bottom Row) –Buttons labeled “STORE” and “RECALL”.
  - STORE – Used to save a preset to memory.
  - RECALL – Used to load a preset from memory.

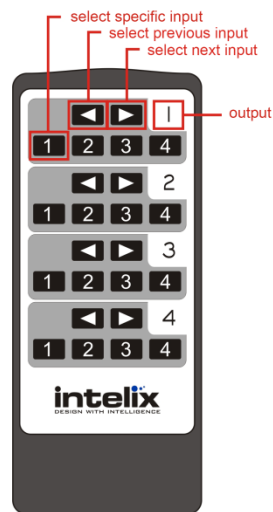
Explanation of use for the front panel control is located in the section *Front Panel and IR Remote Operation* (page 10).

## Rear Panel



- 1 - Emitter Ports – IR emitters to control HDMI sources in the rack.
- 2 - IR Receiver Ports – IR receiver ports to send IR signals to the remote HDBaseT receivers.
- 3 - Outputs: HDBaseT Lite extended output – 70m max
- 4 - Outputs: HDMI local output
- 5 - Inputs: HDMI local input
- 6 - RS232 Control – serial communication for third party control.
- 7 - Ethernet – web server and UDP control.
- 8 - EDID DIP switches - select the EDID management mode.
- 9 - DC Power Input – 12vDC/5a power inlet.
- 10 - IR Extended Input – input for extending the local IR input.

## IR Remote



The included IR remote performs routing functions available on the front panel of the DIGI-44B.

## Installation Instructions

### *Shelf Mounting Instructions*

The DIGI-44B comes with pre-installed feet and can be shelf mounted directly out of the box.

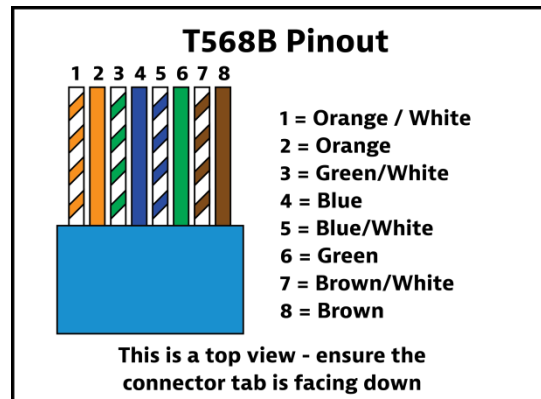
### *Rack Mounting Instructions*

The DIGI-44B requires one rack unit (1 RU) of space. At least 2 inches of free air space is required on both sides of the DIGI-44B for proper side ventilation. Avoid mounting the DIGI-44B near a power amplifier or any other source of significant heat. It is recommended that you leave an empty rack space above and below the DIGI-44B for additional cooling.

Remove the feet from the bottom of the chassis by unscrewing the 4 Phillips head screws inside of the feet. Set feet aside. Attach the rack ears using the 6 Phillips head screws provided. Mount the DIGI-44B in the desired location within the rack enclosure.

### *UTP Output Wiring*

A compatible HDBaseT receiver is required to extend the output signals over Twisted Pair cabling. To connect the DIGI-44B to a compatible receiver, a Cat 6 or greater cable with a TIA-568B crimp termination on the RJ45 connector must be used. The Cat 6 cable must not exceed 40 meters for 3D content. The Cat 6 cable must not exceed 70 meters for 2D content.



### *IR Port Wiring*

To use the IR extension capabilities of the DIGI-44B, the DIGIB-EYE (wideband IR receiver) and DIGIB-EMT (wideband IR emitter) will need to be connected to the appropriate IR ports. DIGIB-EYE's should be connected to the IR RECEIVER ports and DIGIB-EMT's should be connected to the IR EMITTER ports. After connecting the DIGIB-EMT to the IR output, mount the IR emitter to the appropriate source gear.

\*Note: Third party IR components such as connecting blocks or base stations are not compatible with the DIGI-44B ports



## EDID Management

HDMI signals require communication between the Source and Display equipment. The Display provides information to the source on supported formats for video and audio. The information that is passed from display to source is referred to as EDID. The DIGI-44B includes common EDID's for increased compatibility. The matrix also features an EDID copy mode that can be used when other EDID's do not meet the installation requirements.

The default EDID for the DIGI-44B is 1080p with stereo audio. All EDID modes are outlined in the table below:

### EDID Table

EDID Setting	DIP switch 1	DIP switch 2	DIP switch 3
<b>EDID Copy</b>	0 (Down)	0 (Down)	0 (Down)
<b>No Function</b>	0 (Down)	0 (Down)	1 (Up)
<b>1080p 7.1ch Audio</b>	0 (Down)	1 (Up)	0 (Down)
<b>1080p 5.1ch Audio</b>	0 (Down)	1 (Up)	1 (Up)
<b>1080i Stereo</b>	1 (Up)	0 (Down)	0 (Down)
<b>1080p Stereo (Default)</b>	1 (Up)	0 (Down)	1 (Up)
<b>1080p 3D Video / Stereo Audio</b>	1 (Up)	1 (Up)	0 (Down)
<b>No Function</b>	1 (Up)	1 (Up)	1 (Up)

### Changing EDID Modes

To change the EDID mode on the matrix:

1. Power down the DIGI-44B matrix.
2. Change the dipswitch to the desired EDID mode (outlined in the table above).
3. Power on the DIGI-44B matrix. The new EDID has been stored at all the inputs.

### EDID Copy Instructions

To copy an EDID from a specific output to a specific input (for example, output 3 to input 2):

1. Power down the DIGI-44B matrix.
2. Change the dipswitches to 0, 0, 0 (Down, Down, Down).
3. Connect the HDMI cable of the display to the desired output on the DIGI-44B matrix (output 3). You can use either HDMI or HDBT outputs, but only connect one at a time for copy operation.
4. Power on the DIGI-44B matrix.
5. Using the front panel, setup the AV route, from the input you want the EDID to be copied to, to the output you connected the display you want to copy. (input 2 to output 3)
6. Press and Hold the Output Button connected in Step 3 (output 3).
7. Wait for Display to show "CPY" and "OK".
8. EDID has been successfully copied.

## Front Panel and IR Remote Operation

### *Basic Routing*

To set a single route using the front panel of the DIGI-44B:

1. Press the desired input button (source).
2. Press the desired output button (display).
3. Front panel will flash the New Input Number.
4. Press the "Take" button

To set multiple routes using the front panel of the DIGI-44B:

1. Press the desired input button (source).
2. Press the desired output button(s) (display). You can choose any or all outputs.
3. Front panel will flash the New Input Number(s).
4. Press the "Take" button.

### *Storing Presets*

To store a preset:

1. Using the Basic Routing instructions setup the desired routing.
2. Press the "Store" button. The Input LED's will begin flashing.
3. Press and Hold the input button for the desired preset location.  
For example to store the current route into Preset #2 then press and hold input 2 button.
4. Continue to hold the input button until the LEDs stop flashing. When the LEDs stop flashing your preset has been stored.

### *Clearing Presets*

To clear a preset repeat the "To store a preset" procedure to overwrite the current preset.

### *Recalling Presets*

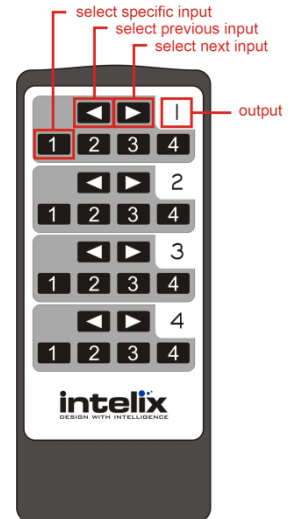
To recall a preset:

1. Press the "Recall" button.
2. The Input LED's will begin flashing.
3. Press the input button for the desired preset location.  
For example to recall Preset #2 then press the input 2 button.
4. The LED's will stop flashing, the HDMI routes are completed and the display updates to show the new routing information.

## IR Remote Operation

The IR remote includes buttons for Next Input, Previous Input, and selection of a specific input.

1. Determine which output you wish to change.
2. On the determined output, select the desired input number.
3. On the determined output, cycle through the inputs by pressing the *previous input* or *next input* button.



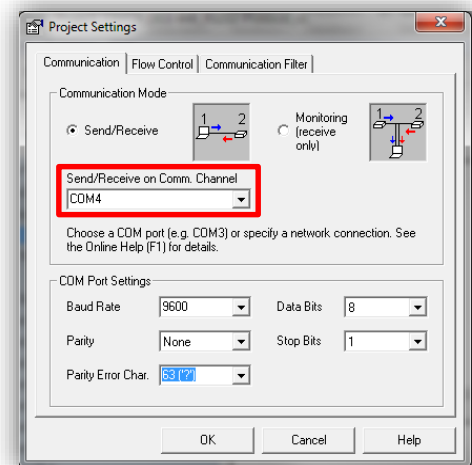
## IP Address Assignment

The DIGI-44B ships from the factory with a default IP address of 192.168.0.178. You can change this IP address to a different static IP address or to DHCP using the DIGI-44B Docklight configuration file, which can be found on the Intelix website.

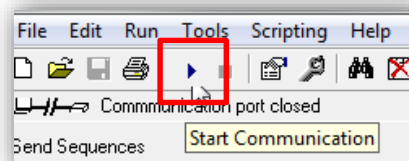
### Static IP assignment via RS232

The Static IP address can be changed using RS232

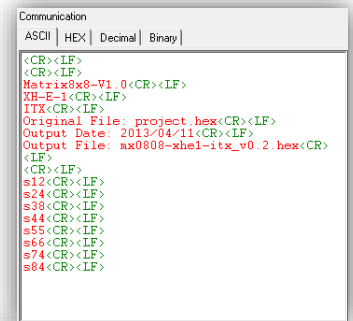
1. Download Docklight and the DIGI-44B from the Intelix website.
2. Connect the included USB -> RS232 adapter to an open USB port on your computer, or if you have a serial port, connect a straight through serial cable. When using the USB->RS232 adapter for the first time, device drivers should be automatically installed.
3. Open the Docklight Configuration File.
4. Confirm the Docklight communication settings (Docklight -> Tools -> Project Settings) match the device. 9600/8/n/1 on the COM port named *USB Serial Port* (or COM 1 if using your computer's serial port instead of the adapter).



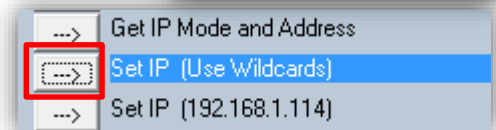
5. Start Communication.



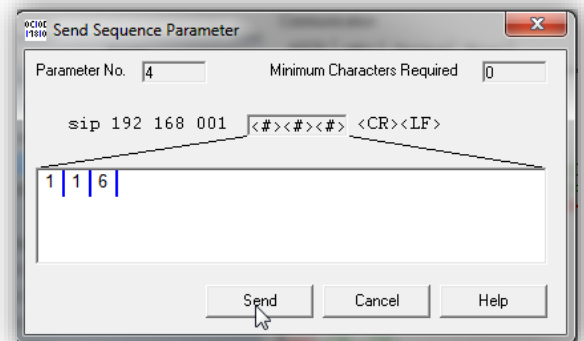
6. Turn the power to the DIGI-44B on – after 5 seconds, the DIGI-44B will send some lines of information you can see in the communications window. This confirms that you are communicating properly.



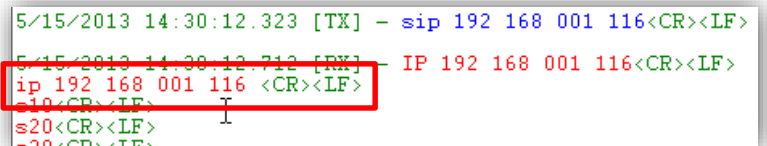
7. In the “Send Sequences” window, press the *Set IP (Use Wildcards)* button.



8. Type the desired IP address in 3 byte sequences, pressing the *Enter* key on your keyboard after each sequence.



9. Verify that the IP address changed in the communication window. .  
*\*Note – it can take 5-10 seconds for the unit to report back the confirmed change.*



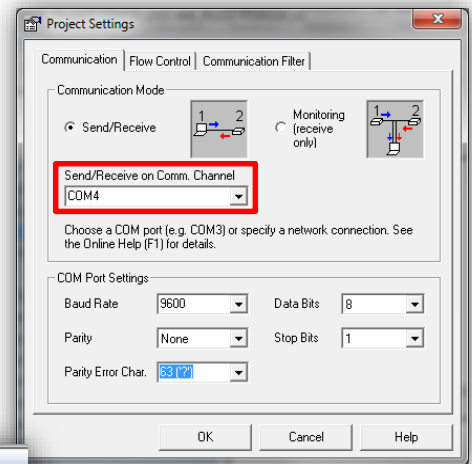
## DHCP IP assignment via RS232

You can change the IP mode to DHCP using RS232

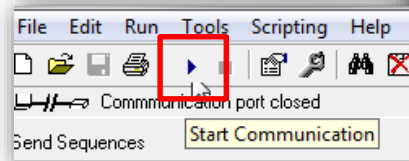
1. Download Docklight and the DIGI-44B from the Intelix website.
2. Connect the included USB -> RS232 adapter to an open USB port on your computer, or if you have a serial port, connect a straight through serial cable. When using the USB->RS232 adapter for the first time, device drivers should be automatically installed.
3. Open the Docklight Configuration File.



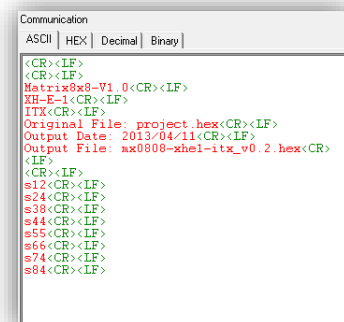
- Confirm the Docklight communication settings (Docklight -> Tools -> Project Settings) match the device. 9600/8/n/1 on the COM port named *USB Serial Port* (or COM 1 if using your computer's serial port instead of the adapter).



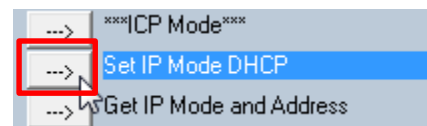
- Start Communication.



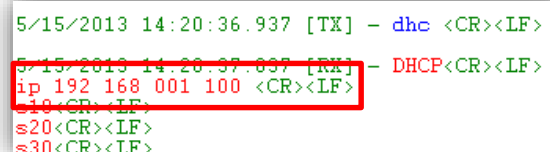
- Turn the power to the DIGI-44B on – after 5 seconds, the DIGI-44B will send some lines of information you can see in the communications window. This confirms that you are communicating properly.



- In the "Send Sequences" window, press the *Set IP Mode DHCP* button



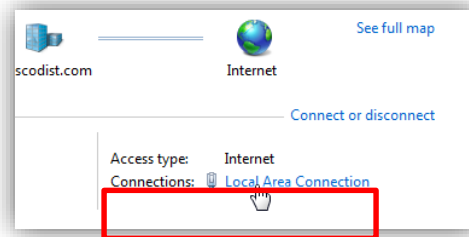
- Verify that the IP address changed in the communication window. *\*Note – it can take 5-10 seconds for the unit to report back the confirmed change.*



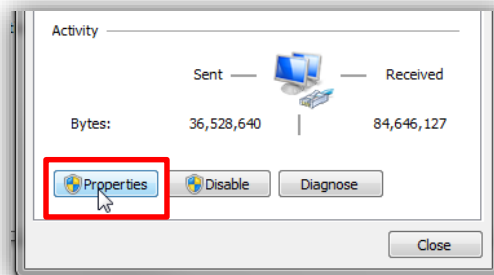
## Static IP assignment via TCP/IP

The Static IP address can be changed using TCP/IP

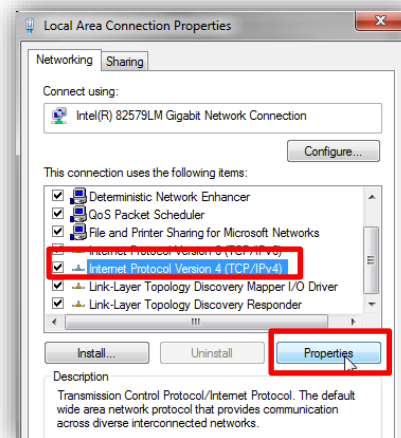
1. Download Docklight and the DIGI-44B from the Intelix website.
2. Connect a network crossover cable (not included) between your computer and the DIGI-44B LAN Port.
3. Change the IP address of your computer to fit in the same subnet as the DIGI-44B current IP address. The unit's default IP address is 192.168.0.178, so set your IP address to 192.168.0.177 for first time connection. To change your computer's IP address in Windows7, follow this path (START Menu -> Control Panel -> Network and Sharing Center -> Network Connections)
  - a. Select "Local Area Connection"



- b. Select "Properties"

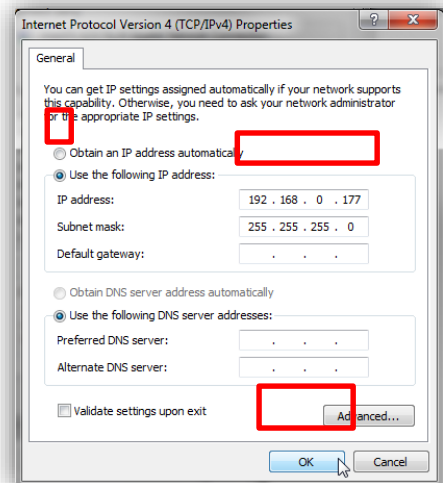


4. Select "Internet Protocol Version 4 (TCP/IPv4)", then select "Properties".

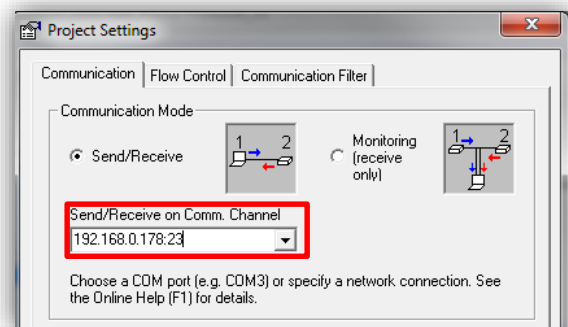




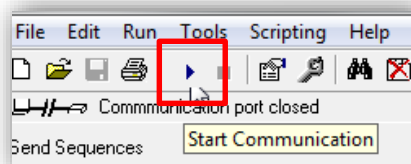
5. Select "Use the following IP address", and then enter the IP address you would like your computer to become. Then select "OK"



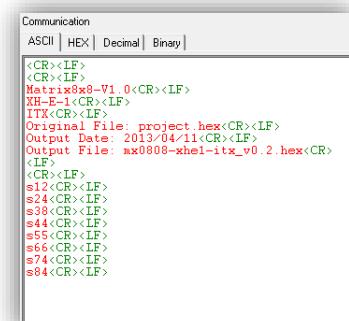
6. Open the Docklight Configuration File
7. Confirm the Docklight communication settings (Docklight -> Tools -> Project Settings) match the DIGI-44B. *\*Note – add a colon and the number [23] after the IP address you enter to signify the communication port.*



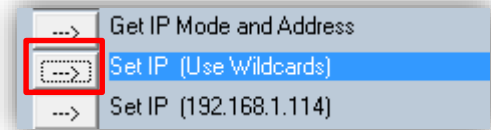
8. Start Communication.



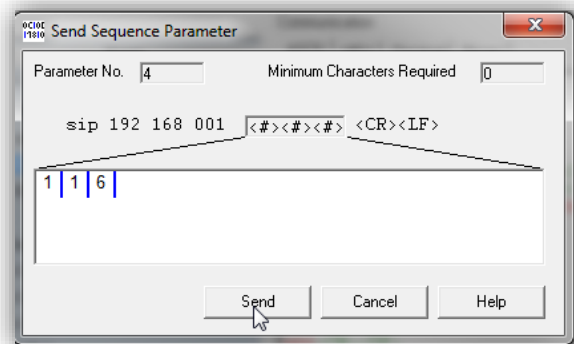
9. Turn the power to the DIGI-44B on – after 5 seconds, the DIGI-44B will send some lines of information you can see in the communications window. This confirms that you are communicating properly.



10. In the “Send Sequences” window, press the *Set IP (Use Wildcards)* button.



11. Type the desired IP address in 3 byte sequences, pressing the *Enter* key on your keyboard after each sequence.



12. Verify that the IP address changed in the communication window. .  
*\*Note – it can take 5-10 seconds for the unit to report back the confirmed change.*

```

5/15/2013 14:30:12.323 [TX] - sip 192 168 001 116<CR><LF>
5/15/2013 14:30:13.713 [RX] - IP 192 168 001 116<CR><LF>
ip 192 168 001 116 <CR><LF>
s16<CR><LF>
s20<CR><LF>
s20<CR><LF>

```

### DHCP IP assignment via TCP/IP

Setting the DIGI-44B to DHCP while connected via TCP/IP is not recommended.

## Web Control

### *Logging into the DIGI-44B via Web Browser.*

The DIGI-44B routing can be controlled through a standard web browser.

1. Open up Internet Explorer (Firefox, Chrome, and Safari crop the configuration options).
2. Type the IP Address of the matrix into the Web Browser's address bar. The Login screen will load.  
(The unit leaves the factory with a default IP address of 192.168.0.178)



3. The Default password is "0000000000" (ten zeroes).
4. Press the LOGIN button. A "Welcome" screen will briefly be shown before forwarding to the control page below:



5. Clicking the buttons after each output changes the HDMI routing accordingly.

\*Note: Do not select "Update Firmware" unless instructed by Intelix Support to do so. This puts the unit into a bootloader mode, which can be cancelled by power cycling the DIGI-44B.

## *Changing the Password to the Web Control*

1. Log into the Web Control utility by using the instructions above.
2. Click the “Change Password” link at the bottom of the Web Control screen. The following screen will appear:



The image shows a 'Change Password' dialog box with a dark blue background and a white title bar. The title 'Change Password' is in large white font. Below the title, there are three text input fields, each with a label and a masked password (dots). The labels are 'Old password:', 'New password:', and 'Confirm password:'. At the bottom of the dialog, there are two buttons: 'OK' and 'Cancel'.

3. Type in the Old Password in the “Old Password” field.
4. Type in the New Password in the “New Password” field.
5. Confirm the New Password in the “Confirm Password” field.
6. Click “OK”.
7. A Password Change Success page will be briefly displayed before forwarding to the Login page.

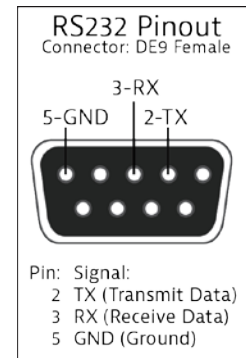
**Save password success!**

## RS232 and TCP/IP Commands

### RS232 Connection

The RS232 control port requires a standard straight-through serial cable for operation. The default settings for the RS232 port are:

- 9600 baud
- 8 Data Bits
- 1 Stop Bit
- Parity = none



### TCP/IP Connection

TCP/IP Settings: User defined IP address, port 23 (The unit leaves the factory with a default IP address of 192.168.0.178)

### DIGI-44B Command Protocol

**Important Note:** Be sure to include a carriage return after the command line when the command includes the "<CR><LF>" suffix. Also, there is a space between "cir" and the code, which is required.

#### RS232 & TCP/IP Routing Commands

Output 1 Commands			
Function	Command	Response	
Select Input 1	cir 09<CR><LF>	s10<CR><LF>	The updated status for output 1. Represented as an ASCII string in the format of “sXY” where: <ul style="list-style-type: none"><li>• X is the output channel</li><li>• The value of Y maps as follows:<div>0 = input 1 1 = input 2 2 = input 3 3 = input 4</div></li></ul>
Select Input 2	cir 1D<CR><LF>	s11<CR><LF>	
Select Input 3	cir 1F<CR><LF>	s12<CR><LF>	
Select Input 4	cir 0D<CR><LF>	s13<CR><LF>	
Select Input Up	cir 41<CR><LF>	new route	
Select Input Down	cir 57<CR><LF>	new route	
Output 2 Commands			
Function	Command	Response	
Select Input 1	cir 17<CR><LF>	s20<CR><LF>	The updated status for output 2. Represented as an ASCII string in the format of “sXY” where: <ul style="list-style-type: none"><li>• X is the output channel</li><li>• The value of Y maps as follows:<div>0 = input 1 1 = input 2 2 = input 3 3 = input 4</div></li></ul>
Select Input 2	cir 12<CR><LF>	s21<CR><LF>	
Select Input 3	cir 59<CR><LF>	s32<CR><LF>	
Select Input 4	cir 08<CR><LF>	s43<CR><LF>	
Select Input Up	cir 11<CR><LF>	new route	
Select Input Down	cir 1B<CR><LF>	new route	

Output 3 Commands			
Function	Command	Response	<div>The updated status for output 3. Represented as an ASCII string in the format of “sXY” where:<ul style="list-style-type: none"><li>• X is the output channel</li><li>• The value of Y maps as follows:<div>0 = input 1 1 = input 2 2 = input 3 3 = input 4</div></li></ul></div>
Select Input 1	cir 5E<CR><LF>	s30<CR><LF>	
Select Input 2	cir 06<CR><LF>	s31<CR><LF>	
Select Input 3	cir 05<CR><LF>	s32<CR><LF>	
Select Input 4	cir 03<CR><LF>	s33<CR><LF>	
Select Input Up	cir 48<CR><LF>	new route	
Select Input Down	cir 55<CR><LF>	new route	
Output 4 Commands			
Function	Command	Response	<div>The updated status for output 4. Represented as an ASCII string in the format of “sXY” where:<ul style="list-style-type: none"><li>• X is the output channel</li><li>• The value of Y maps as follows:<div>0 = input 1 1 = input 2 2 = input 3 3 = input 4</div></li></ul></div>
Select Input 1	cir 18<CR><LF>	s40<CR><LF>	
Select Input 2	cir 44<CR><LF>	s41<CR><LF>	
Select Input 3	cir 0F<CR><LF>	s42<CR><LF>	
Select Input 4	cir 51<CR><LF>	s43<CR><LF>	
Select Input Up	cir 40<CR><LF>	new route	
Select Input Down	cir 07<CR><LF>	new route	

## RS232 &amp; TCP/IP System Commands

Misc. Commands			
Function	Command	Response	
Get Device Type	br <space>	aDIGI-44B	ASCII string containing the letter "a" followed by the name of the device
Get Device Status	bc <space>	Ex: s10<CR><LF> s21<CR><LF> s32<CR><LF> s43<CR><LF>	ASCII string in the format of: "s1Ys2Ys3Ys4Y" where Y is the input source being routed to each output. Each segment is separated by a <CR><LF>.  The value of Y maps as follows: <ul style="list-style-type: none"> <li>0 = input 1</li> <li>1 = input 2</li> <li>2 = input 3</li> <li>3 = input 4</li> </ul> The output channels map as follows: <ul style="list-style-type: none"> <li>s1 = output 1</li> <li>s2 = output 2</li> <li>s3 = output 3</li> <li>s4 = output 4</li> </ul>
Get IP Mode and Address	gipm<CR><LF>	Static IP Ex: ipm sip 192 168 001 114 <CR><LF>	ASCII string containing "ipm<space>" followed by IP mode, the IP address, <space><CR><LF>
		DHCP IP Ex: ipm dhc 192 168 001 101 <CR><LF>	The value of the IP mode map as follows: <ul style="list-style-type: none"> <li>sip = Static IP Mode</li> <li>dhc = Dynamic IP Mode</li> </ul>

Misc. Commands			
Function	Command	Response	
Set IP Mode - DHCP	dhc <CR><LF>		"DHCP<CR><LF>"
Set IP Mode - Static	sip www xxx yyy zzz<CR><LF>  Where: www = 1 <sup>st</sup> octet xxx = 2 <sup>nd</sup> octet yyy = 3 <sup>rd</sup> octet zzz = 4th octet  Each octet is separated by a <space>.  Ex: Set IP to 192.168.1.114: sip 192 168 001 114<CR><LF>	Ex: IP 192 168 001 114<CR><LF>	ASCII string that includes the IP address set by the command.  "IP www xxx yyy zzz<CR><LF>"  ***When using this command via a TCP/IP connection, the response may be truncated due to the loss of communications caused by changing the IP address.

## Troubleshooting

### *Matrix does not power on*

Verify power outlet is active.  
Verify continuity in power cable.

### *Cannot view video*

Copy EDID from output to input.  
Verify twisted pair cable does not exceed 70 meters.  
Disable CEC in source and display devices.

### *Cannot hear surround sound audio*

Copy EDID from output to input.  
Verify output can broadcast surround sound audio.  
Verify source device is configured to output surround sound audio.

### *Cannot view 3D content*

Copy EDID from output to input.  
Verify display is 3D compatible.  
Verify source device can output 3D content.  
Verify twisted pair cable does not exceed 40 meters.



# Technical Specifications

## DIGI-44B

<b>I/O Connections</b>	
HDMI Inputs	Four (4) HDMI Type A Receptacle (1 per input)
HDMI Outputs	Four (4) HDMI Type A Receptacle (1 per output)
HDBaseT Outputs	Four (4) 8P8C port (Shielded RJ45) (1 per output)
IR Input	Four (4) 3.5 mm jack (TRS) (1 per input)
IR Output	Four (4) 3.5 mm jack (TS) (1 per output)
IR Extension Input	One (1) 3.5 mm jack (TRS)
12V DC Power	One (1) 5.5 mm Outside Diameter, 2.1 mm Inside Diameter Barrel
Control, Rear Panel	RS232 via DE-9, TCP/IP via 8P8C, IR via 3.5mm TRS
Control, Front Panel	Push Button, IR
DIP Switch	Three switch DIP
<b>Supported Audio, Video, and Control</b>	
HDTV Video Resolutions	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
VESA Video Resolutions	Up to 1920x1200
Maximum Video Compatibility at 70 m	Deep Color 36/30/24 Bit at 1080p
Maximum Video Compatibility at 40 m	Deep Color 48 Bit at 1080p and 3D
Supported 3D Formats	Field Alternative (interlaced), Frame Packing, Line Alternative Full, Side-By-Side Half, Side-By-Side Full, 2D + Depth, 2D + Depth + Graphics + Depth
DIP Switch Modes	1080i/2.0, 1080p 3D/2.0, 1080p/2.0, 1080p/5.1, 1080p/7.1, Copy and Use EDID from Display
Video Compliance	HDMI, HDCP, and CEC (Consumer Electronics Control)
Embedded Audio	Up to PCM 8 channel, Dolby Digital TrueHD, and DTS-HD Master Audio
Input DDC Signal	5.0 volts p-p (TTL)
Input Video Signal	0.5 to 1.0 volts p-p
IR Carrier Frequency Range	33-55kHz at 5 volts
Ethernet	100BaseT
RS232 Baud Rate	9600 baud
<b>HDBaseT Signal Characteristics</b>	
Maximum Distance	70 m
Cable Requirements	Solid core shielded Category 5e, Category 6 or greater with TIA/EIA-568B crimp pattern
Bandwidth	10.2 Gbps
Gain	0 dB – 10 dB at 100 MHz
Signal to Noise Ratio (SNR)	> 70 dB at 100 MHz over 100 m
Return Loss	< -30 dB at 5 KHz
Total Harmonic Distortion (THD)	< 0.005% at 1 KHz
Min-Max Signal Level	< 0.3 V – 1.45 Vp-p
Differential Phase Error	±10° at 135 MHz over 100 m
<b>Chassis and Environmental</b>	
Enclosure	Painted Steel
Dimensions	440 mm x 230 mm x 44 mm (17.32 in x 9.06 in x 1.73 in)
Rack Spacing	1 RU
Shipping Weight	3.72 kg (8.2 lbs)
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-10° to +60° C (+14° to +140° F)
Storage Humidity	20% to 90%, Non-condensing
<b>Power, ESD, and Regulatory</b>	
Power Supply Input	100V-240VAC / 1.8A
Power Supply Output	12V DC / 5A
Power Consumption	60 watts (max)
ESD Protection	15kV
DIGI-44B Regulatory	CE, RoHS
Power Supply Regulatory	UL, FCC, CCC, CE, RoHS
<b>Other</b>	
Warranty	2 years
Diagnostic Indicators	LED output status and power LED
Included Accessories	Installation Guide, IR Remote, IR Emitter (4 ea), IR Receiver (4 ea), USB/RS232 adaptor, US Power Cable and Power Supply, Mounting Brackets with screws, Chassis Feet
Compatible Receivers (A/V Only)	DIGI-HD70-R
Compatible Receivers (A/V and IR)	DIGI-HDE-R, DIGI-HD60C-R

*DIGIB-EMT*

<b>Signal Characteristics</b>	
Wide-Band Infrared (IR)	30 KHz to 56 KHz at 5V DC reference
<b>Physical Characteristics</b>	
Material, Emitter Housing	Deep red translucent plastic
Dimensions, Emitter Housing	6 mm x 9.5 mm x 15 mm (0.24 in. x 0.37 in. x 0.59 in.)
Cable Length	2 m (6.56 ft)
Cable Connector	3.5 mm (1/8 in.) mono (TS) plug
Shipping Weight	0.5 lbs. (0.23kg)
<b>Other</b>	
Warranty	2 years
What's in the Box	(4) DIGIB-EMT
Compatible Devices	FLX-BI4, FLX-BO4, DIGI-HDE-S, DIGI-HDE-R, DIGI-HD70C-S, DIGI-HD70C-R, DIGI-HD-IR3-S, DIGI-HD-IR3-R, DIGI-HD-IR3-WP-S, DIGI-HD-IR3-WP-R, DIGI-HD-8X8, DIGI-HD-4X8, DIGI-HD-4X4, DIGI-HD-4X2, DIGI-VGASD2-S, DIGI-VGASD2-R, DIGI-VGASD2-T4, DIGI-VGASD2-T8

*DIGIB-EYE*

<b>Signal Characteristics</b>	
Wide-Band Infrared (IR)	30 KHz to 56 KHz at 5V DC reference
<b>Physical Characteristics</b>	
Material, Emitter Housing	Black plastic housing; smoke gray lens housing
Dimensions, Emitter Housing	13.5 mm x 9 mm x 29.5 mm (0.53 in. x 0.35 in. x 1.16 in.)
Cable Length	1 m (3.28 ft)
Cable Connector	3.5 mm (1/8 in.) stereo (TRS) plug
Shipping Weight	0.5 lbs. (0.23kg)
<b>Other</b>	
Warranty	2 years
What's in the Box	(1) DIGIB-EYE (hardware not included)
Compatible Devices	FLX-BI4, FLX-BO4, DIGI-HDE-S, DIGI-HDE-R, DIGI-HD70C-S, DIGI-HD70C-R, DIGI-HD-IR3-S, DIGI-HD-IR3-R, DIGI-HD-IR3-WP-S, DIGI-HD-IR3-WP-R

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Thank you for your purchase.

Please contact us with your questions and comments.

**Intelix**

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