

PureLink

Owner's Manual HTX-8800-U



Ultra HD/4K 8x8 HDMI to HDBaseT Matrix Switcher
with POE and HDCP 2.2

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Chapter 1. Introduction

1.1 Safety Precautions

- All safety instructions should be read and understood before the unit is operated.
- The owner's manual and safety instructions should be retained for future reference.
- Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth only.
- Keep away from wet, magnetic, and flammable surfaces or substances.
- Always use the correct power supply (indicated on the product label) when operating this unit.
- This unit may be equipped with a 3 wire grounding-type plug - a plug having a third (grounding) pin. This pin will only fit in to a grounding type power outlet. If you are unable to insert the plug in to the outlet, contact your electrician to replace your obsolete outlet.
- Air vents should be kept clean and unobstructed at all times.
- Please refrain from using frayed power cords and damaged wall outlets.
- Do not place any heavy objects or equipment on top of the unit.

If you experience any malfunctioning of product or have any question as to operation of the product, please contact our customer service center.

PureLink™

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Email: support@purelinkav.com

1.2 Declaration of Conformity

According to Council Directive 73/23/EEC (February 19, 1973) on the Harmonization of the Laws of Member States relating to Electrical Equipment; Council Directive 89/336/EEC (May 3, 1989) on Electromagnetic Compatibility; Council Directive 93/68/EEC (July 22, 1993)-Amending Directives 89/336/EEC (MC) and 73/23/EEC (Low Voltage Equipment Safety), and/or CPU Boards and Power Supplies used Council Directive 93/68/EEC with Matrix, Dtrovision LLC, 535 E Crescent Ave Ramsey, NJ 07446 201-488-3232, declares under sole responsibility, that the product identifies with 93/66/EEC of the Council Directive Low Voltage Equipment Safety. Each product marketed is identical to the representative unit tested and found to be compliant with the standards.

1.3 What's in the Box

- Main Frame: HTX-8800-U
- Power cord
- 9 x IR Tx cable
- 10 x IR Rx cable
- Phoenix connectors for RS232
- IR remote
- RS-232C & LAN cables
- Rack Ears
- Owner's manual

1.4 Product Introduction

The new **HTX-8800-U Ultra HD/4K HDMI to HDBaseT & HDMI mirrored outs with POE and HDCP 2.2** provides switching for up to eight (8) HDMI to any eight (8) HDBaseT outputs and (8) mirrored HDMI outputs. PureLink's legendary EDID/HDCP Management System, consistently praised by system integrators as the most reliable in the industry. Together with full HDCP v 2.2, PureLink's uncompromising design and manufacturing standards, the HTX-8800-U delivers unparalleled quality and value.

* Features

- (8) Ultra HD/4K source devices independently switchable to (8) Ultra HD/4K destinations
- Ultra HD/4K support with HDCP v2.2 compliance
- HDBaseT™ 5-play technology for Ultra HD/4K video, HD multichannel audio distribution, bi-directional control via IR, RS-232 and LAN, Ethernet switching, and POE
- Mirrored HDMI/HDBaseT™ outputs, providing up to 16 ports
 - (8) HDBaseT™ outputs for remote destinations (@100m)
 - (8) HDMI outputs for local destinations, such as in-room displays, AVRs, and switchers
- Audio de-embedding for each output via (1) 3.5mm analog stereo or (1) RCA coaxial digital output
- Auto EDID management (EDID library and EDID emulation)
- Full 3D compatibility (up to 1080p)
- Supports Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (up to 192kHz)
- Ideal for multi-zone applications to distribute A/V with control
- DVI and DisplayPort support via HDMI ports with adapters (sold separately)
- Includes IR remote for basic matrix switching
- Front panel LCD display for easy menu navigation and status check
- Compact 19" standard 2RU rack-mountable chassis
- HDMI v1.4b uncompressed video/audio up to 10.2 Gbps
- Integrated Ethernet switch serves LAN to all connected zones
- HDBaseT outputs directly drive HTX extender receivers (sold separately) up to 330ft (100m)
- TCP/IP, RS-232, IR and front panel control
- Bundle kits available with receivers
- 3-year parts and labor warranty, extends to 5-year when used exclusively with PureLink TotalWire™ CATx cable (some restrictions may apply, ask factory for details)

1.5 Front View of HTX-8800-U

The HTX-8800-U chassis is mountable on 19" standard rack with brackets. On front panel, there are some function keys, input-output buttons and a status display window placed as shown in Figure 1-1.

<Front Panel>



(Figure 1-1)

POWER: Main power switch ON / OFF

DISPLAY: View menu and system mode

MENU: EDID setup menu

UP: Up button

DOWN: Down button

ENTER: Execution button

1.6 Front panel button operation

Creating a switching

- Press Output # button
- Press Input # button
- Switching is completed

EDID

- Press MENU button
- Use Up and Down buttons to select EDID from the EDID library list
- Press Enter button
- Select input# which you want to save selected EDID to
- Press Enter button

EDID

HTX series matrix switcher provides Auto EDID management system; easy and fail safe way to handle EDID, via EDID library system and EDID emulation.

What's EDID?

Extended Display Identification Data (EDID) is an information set that digital display provides to describe its capabilities to a Video source. Video source will know what kinds of displays are connected and it will determine which resolution to Output according to the EDID information received from the display.

The EDID normally includes manufacturer name and serial number, sets of capable resolution including native resolution, supported timing, pixel mapping data (for digital displays only) and etc.

In a digital connectivity environment; in order to support the maximum resolution of connected monitor, EDID handshake is a critical because improper EDID handshake between sources to the display will result in no image on the display.

EDID handshake may sound simple; however, with multiple peripheral devices within the chain, display's EDID information easily get lost or blocked while it is traveling to the source device.

HTX series matrix switcher provides Auto EDID management system to meet today's sophisticated digital connectivity integration environment.

Auto EDID management system

EDID library

15 most widely used EDID data is pre-programmed internal EEPROM chipset which user can take and save onto the any of the matrix switcher's Input EEPROM.

EDID library list

1080p, 2 ch audio	1080p, dolby/dts 5.1	1080p, HD audio
1080i, 2 ch audio	1080i, dolby/dts 5.1	1080i, HD audio
3D, 1080p, 2 ch audio	3D, 1080p, dolby/dts 5.1	3D, 1080p, HD audio
4K@30Hz, 2 ch audio	4K@30Hz, dolby/dts 5.1	4K@30Hz, HD audio
4K@60Hz, 2 ch audio	4K@60Hz, dolby/dts 5.1	4K@60Hz, HD audio

Factory default EDID is set to 1920 x 1080p@60Hz

By optimizing factory default EDID and EDID library feature, in most cases, HTX series matrix switcher will work out of the box without any additional configuration.

Emulation

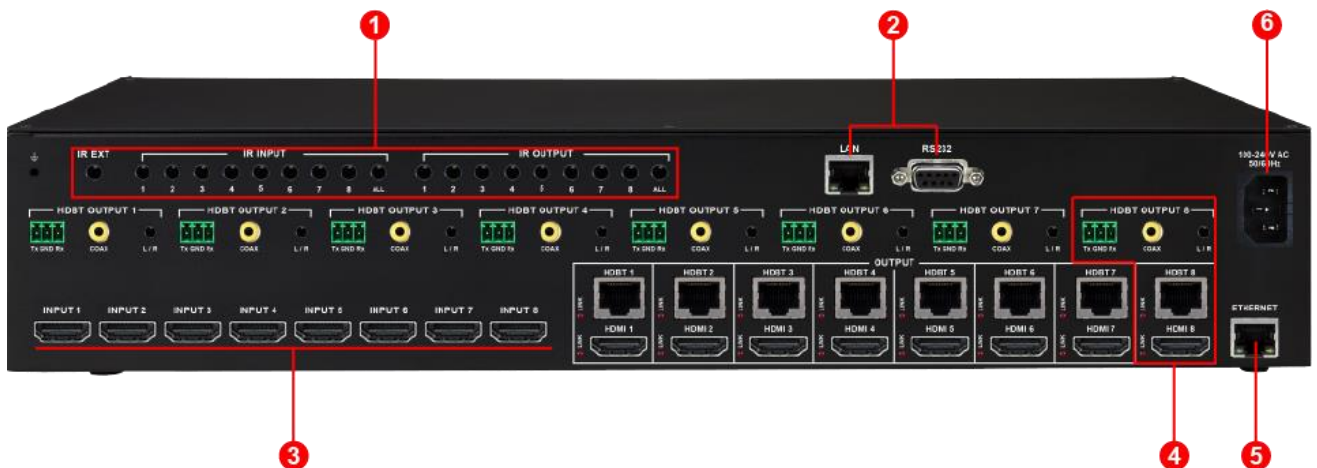
The user can easily save an EDID data from any display devices directly onto the matrix switcher's input port. By saving display device's EDID information on the matrix switcher input port, input port will act as a display to the video source.

Note) There may be display devices that are not allowing other device to emulate its EDID data.

Note) Certain EDID data may not be compatible with some devices, in this case, it is recommended to use scaling option

1.7 Rear View of HTX-8800-U

<Back Panel>



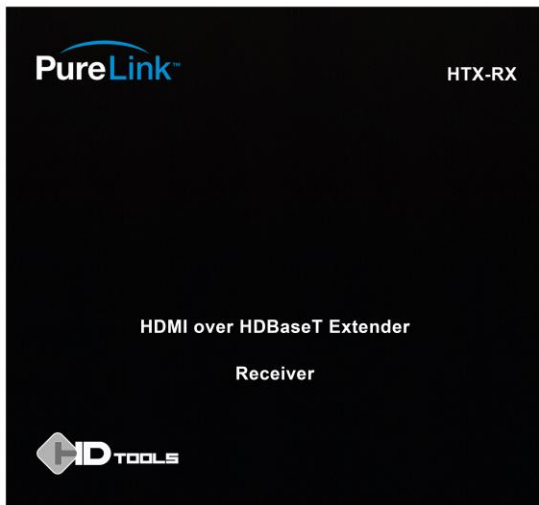
(Figure 1-2)

- ① **IR EXT, IN/OUT:** IR ext is for HTX-8800-U control, IR Inputs, and IR outputs are for IR communication on HDBT outputs pass-thru
- ② **Control Interface:** LAN (TCP/IP) and RS232 control ports
- ③ **8 x HDMI inputs**
- ④ **Each output consists with**
 - 1 x HDBaseT,
 - 1 x HDMI,
 - 1 x bi-directional RS232,
 - 1 x 3.5mm analog audio extraction,
 - 1 x digital coaxial audio extraction port

* Signals are outputting simultaneously to on each output's HDMI, HDBaseT, 3.5mm analog audio, and digital coaxial ports
- ⑤ **ETHERNET:** Integrated Ethernet switch serves LAN to all connected zones (HDBaseT Rx)

⑥ AC Power: IEC power connector

1.8 HTX-Rx



HDMI OUT: HDMI output port

ETHERNET: Provides internet connection to the connected device

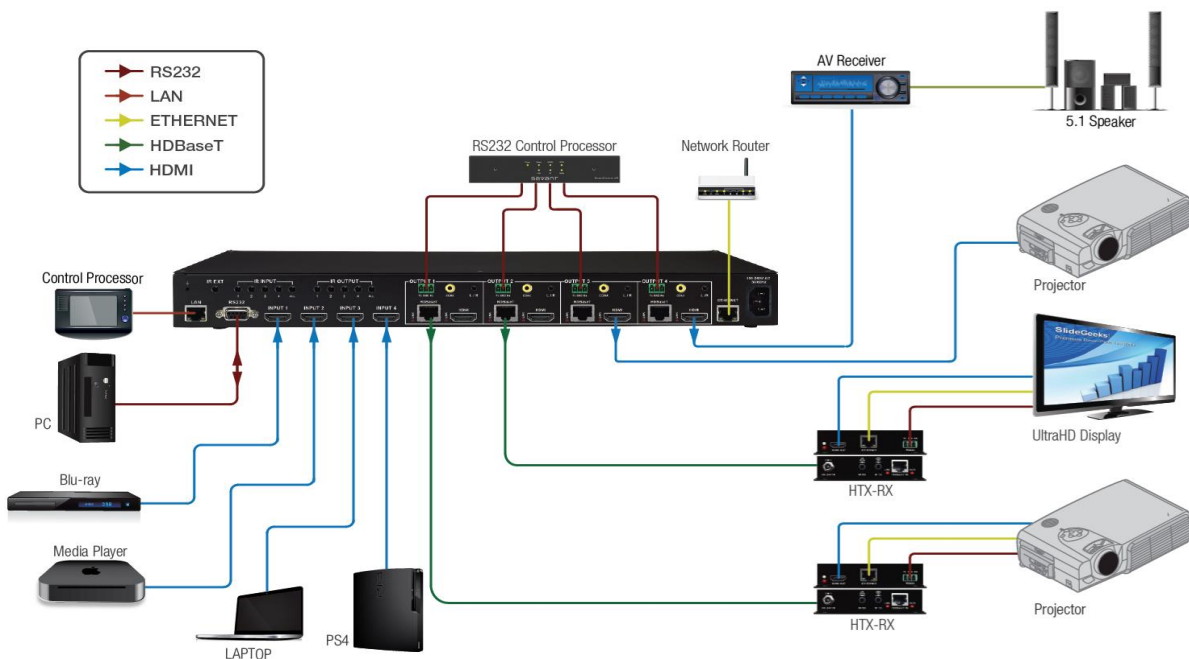
RS232: Provides bi-directional serial control to the connected device

DC IN: Optional 24V DC power supply connector

IR TX/RX: Provides bi-directional IR control to the connected device

HDBASET IN: Receives HDBaseT signal from HTX series matrix switcher's HDBaseT output

*** There are LED signal status indicators next HDMI output port and HDBaseT input port**



<Application diagram>

1.9 Product Specifications

HTX-8800-U General Specification	
Power	AC power supply (US/EU standards, CE/FCC/UL certified)
Operational Temperature	32° ~ 117° F (0° to 47° C)
Storage Temperature	- 4° ~ 140° F (-20° to 60° C)
Humidity	0 ~ 90% non-condensing
MTBF	50,000 hours
Dimensions (W x D x H)	17.3" x 14.3" x 3.5" (440 x 362 x 88mm)
Shipping Dimensions (with cover box)	TBD
Rack mounting	Yes, 19" standard rack, 2RU
Weight	14.8 lbs (6.7 kg)
Shipping Weight (with accessories and cover box)	TBD

* Functional Specification

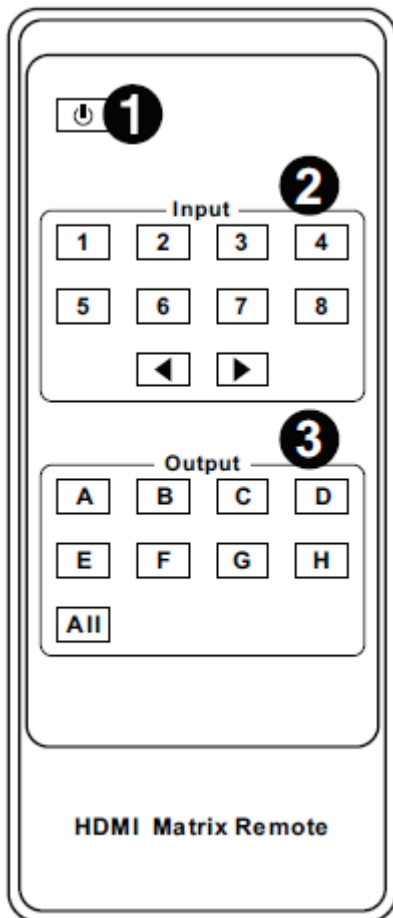
Communication	
HDMI	HDMI v1.4b, HDCP v2.2, EDID
RS-232	2-way device control and monitoring. Fixed baud rate at 115200, 8 data bits, no parity, and 2 stop bits
LAN	TCP/IP (Default IP: 192.168.0.100)

Video	
Switcher	HDMI input, HDBaseT & HDMI output 8x8 matrix switcher
Input Signal Types	HDMI, DVI, Displayport
Output Signal Types	HDMI, DVI, Displayport
Formats	HDMI v1.4b, DVI 1.0, HDCP v2.2 content protection support
HDMI Input resolutions	Ultra HD/4K up to 4096x2160 @24/25/30Hz (RGB/YCbCr 4:4:4 8 bits, YCbCr 4:2:2 8/10/12 bits), 4096 x 2160 @50/60Hz (YCbCr 4:2:0 8 bits) PC resolution up to 1920 x 1200 @ 60Hz
Output Resolutions (HDBaseT & HDMI)	Ultra HD/4K up to 4096x2160 @24/25/30Hz (RGB/YCbCr 4:4:4 8 bits, YCbCr 4:2:2 8/10/12 bits), 4096 x 2160 @50/60Hz (YCbCr 4:2:0 8 bits) PC resolution up to 1920 x 1200 @ 60Hz

Control	
Input ports	1 x RJ-45
	10 x IR input
	1 x RS232
Output ports	9 x IR output

HTX-Rx	
HDBaseT receiver for HTX series matrix switchers	
330ft (100m) @ Ultra HD/4K	
HDMI v1.4b uncompressed video/audio up to 10.2 Gbps	
Receives POE from HTX matrix switchers (optional local power provided)	
Bi-directional IR and RS232	
Supports HD multichannel audio including Dolby TrueHD, Dolby Digital Plus and DTS-HD Master audio plus LPCM (up to 192kHz)	
Compact size for convenient installation behind displays	
LED indicators for HDMI and HDBaseT signal status	
Ethernet port for easy third party device networking	
Power	DC 24V power supply (optional)
Operational Temperature	32° ~ 117° F (0° to 47° C)
Storage Temperature	- 4° ~ 140° F (-20° to 60° C)
Humidity	0 ~ 90% non-condensing
MTBF	50,000 hours
Dimensions (W x D x H)	4.0" x 4.0" x 0.9" (102 x 102 x 22.86mm)
Weight	0.5 lbs (0.23 kg)

1.10 IR remote control



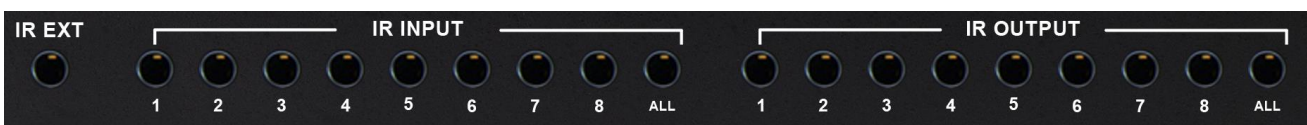
1. Power button
2. Input # selection
3. Output # selection

Operation

How to make a switching

- Press output # or output all
- Select input# to be shown on selected output #

1.11 IR control



IR EXT: This port is to extend IR Rx for HTX-8800-U control

IR INPUT: These ports are for IR communication of end-points via HTR Rx (HDBaseT receiver)

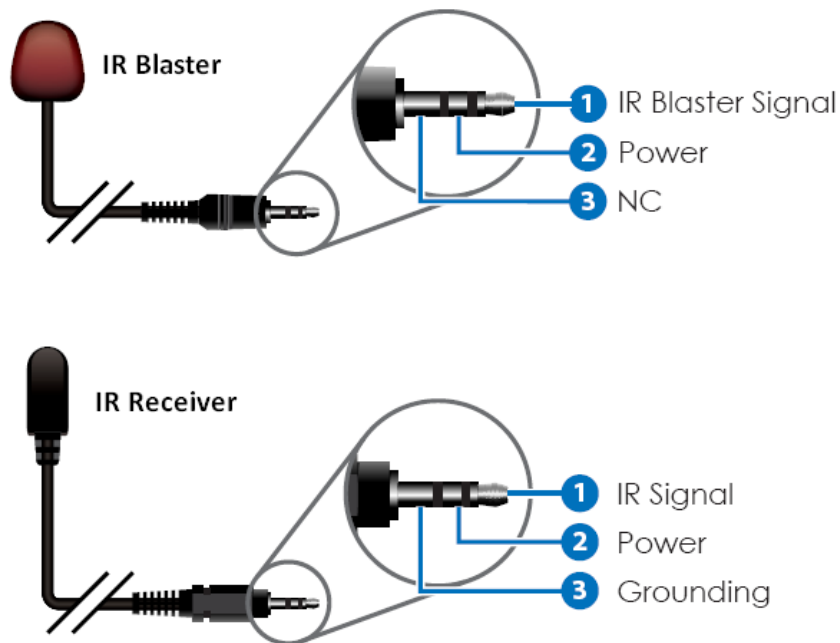
1 ~ 8 indicate each HDBaseT output. Connect IR blasters to the IR inputs

IR OUTPUT: These ports are for IR communication of end-points via HTR Rx (HDBaseT receiver)

1 ~ 8 indicate each HDBaseT output. Connect IR receivers to the IR outputs

NOTE: Infrared receiving areas of devices can be located by shining a flashlight onto the front of the device – the sensor should be able to be seen through the plastic as a small, round object inside. Insert 3.5mm jacks of IR RX receivers into RX ports, making sure the receivers themselves are placed in clear view to receive an

infrared signal from the remote handset used to control the display outputs.

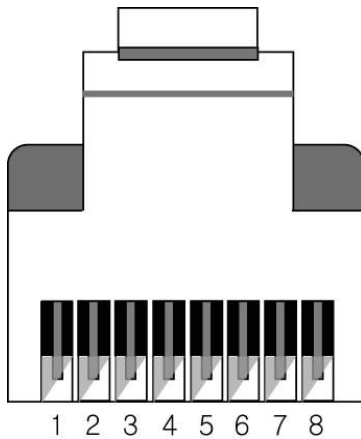
IR RECEIVER**IR BLASTER**

1.12 Cable Termination

- CATx (HDBaseT) cable
- RS-232 (HTX matrix switcher)
- LAN cable
- RS-232 (HTX extenders)

CATx (HDBaseT) Cable Termination

HTX series matrix switcher and extenders are designed with TIA/EIA-568-B Standard. Please ensure that each PIN layout of the cable is corresponding with the picture below before connecting the cable. Please note that CAT6 or above level cable enables to deliver better quality and longer distance.



Pin	TIA/EIA-568B	Signal
	Wire color	Digital RGB
1	Orange/ White	TMDS Data2+
2	Orange	TMDS Data2-
3	Green/ White	TMDS Data1+
4	Blue	TMDS Data0+
5	Blue/ White	TMDS Data0-
6	Green	TMDS Data1-
7	Brown/ White	TMDS Clock+
8	Brown	TMDS Clock-

PureLink offers TotalWire CAT-X high performance cable for your CATx cable needs.

PureLink also offers extended warranty of HTX products when CX cables are used together.

For detail information, please contact support@purelinkav.com.

CX SERIES

TOTALWIRE™ CAT-X High Performance Cable

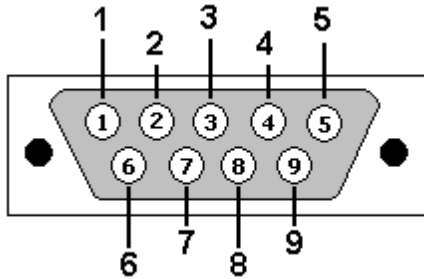


CX-010	Certified CATx Cable with TotalWire Technology - 10m
CX-020	Certified CATx Cable with TotalWire Technology - 20m
CX-030	Certified CATx Cable with TotalWire Technology - 30m
CX-040	Certified CATx Cable with TotalWire Technology - 40m
CX-050	Certified CATx Cable with TotalWire Technology - 50m
CX-070	Certified CATx Cable with TotalWire Technology - 70m
CX-100	Certified CATx Cable with TotalWire Technology - 100m
CX-1000	Certified CATx Cable with TotalWire Technology - 1000' Reel

RS-232 Cable Termination (for Control)

Note) Straight cable must be used for the communication with HTX series matrix switcher

The following table shows the pinout of the RS-232 connector. DB9 cables are available with male-to-male, female-to-female, and male-to-female connectors. HTX series matrix switcher's RS-232 port uses a female DB9 connector and therefore requires a cable with a male connector.



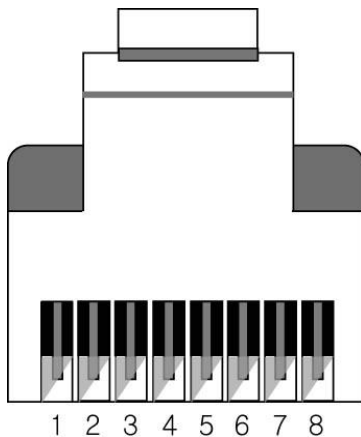
Pin	RS-232
1	Not used
2	Rx: Receive
3	Tx: Transmit
4	Not used
5	Ground
6	Not used
7	Not used
8	Not used
9	Not used

LAN Cable Termination (for Control)

The following table shows the pinout of the LAN connector. Note that in the pinout table, some transmit/receive functions (abbreviated as Tx/Rx) are different for straight-through cable and crossover LAN cable.

Straight-through Cable: for connection of HTX series matrix switcher to an Ethernet network

Crossover Cable : for direct connection between the PC or controller and the HTX series matrix switcher.



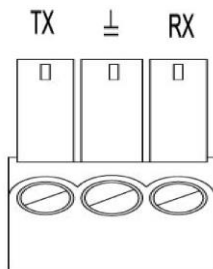
Pin	Crossover Cable	
	End 1 Wire Color	End 2 Wire Color
1	Orange/ White	Orange/ White
2	Orange	Green
3	Green/ White	Green/ White
4	Blue	Blue
5	Blue/ White	Blue/ White
6	Green	Orange
7	Brown/ White	Brown/ White
8	Brown	Brown

Pin	Straight-through Cable	
	End 1 Wire Color	End 2 Wire Color
1	Orange/ White	Orange/ White
2	Green	Green
3	Green/ White	Green/ White
4	Blue	Blue

5	Blue/ White	Blue/ White
6	Orange	Orange
7	Brown/ White	Brown/ White
8	Brown	Brown

RS-232 Cable Termination (for HTX receiver pass-thru)

3-pin Phoenix connector is used for RS-232 communication between HTX matrix switcher and HTX receiver's connected device.



Pin	RS-232	RS-422
1	Tx	Tx +
2	Ground	Ground
3	Rx	Rx +

* Pinout from the left

1.13 Installation Guidelines

The following installation settings are recommended for optimal performance.

- Operational temperature should be 30° C or below
- Operational humidity should be 60% or below
- Operational environment should be dust-free and well ventilated
- Stabilized AC input power (AVR-based power supply) is highly advised

1.14 Communication Settings (LAN and RS232)

Default RS232 communication parameters:

Baud rate: 115200

Data bit: 8 bits

Stop bit: 1 bits

Parity: none

Default LAN communication parameters:

IP address: 192.168.0.100

Mac address: 0x00,0x15,0x09,0x22,0x4c,0x87

Chapter 2. Communication Code Configuration

2.1 Control Programmer's Guide (Code Structure and Examples)

This section is designed for programmers who wish to create their own control programs using the command code. All PureLink digital matrix routers provide a simple character stream control used by external control devices attached to a PureLink device. Command codes are used primarily for control, during system installation and setup, and for diagnostic purposes.

2.2 Overview

Command code is a set of alphanumeric characters that combine to form control commands. Command code strings are entered into a terminal emulation program (such as windows HyperTerminal) running on an external control device. The control device (PC, third-party controller) sends the commands to the system. Control devices must be able to send and receive ASCII or HEXA code via an RS-232 or Ethernet port.

2.3 Command Code Formats

A command code is a series of command characters and numbers used to send commands to the system. Commands include basic formulas for creating and disconnecting switches, as well as for verifying the status of switches.

In a command code, each character is either general command (e.g., C for connect) or an identifier that indicates what the following number designates (e.g., "O" and the number following it designate an "output number"). The command code *999CI01O01! Can be interpreted as follows: (*) Starting the command code (999) Router ID is 999 (C) Create connection on (I01) Input 01 to (O01) Output 01 (!) take the command. For a complete list of command characters and their functions, see pages 16 -

Ack value (Acknowledge value: Response from Pure Link device) will be echoed back to the terminal screen as the unit accepts them. When a command is successfully executed, all of the characters appear containing the character "s" which stands for status. For example,

Ex 1) Command (Connect Input 1 to Output 1)

```
*999CI01O01! ↵
```

Ack value

```
*999sC I01O01!
```

Ex 2) Command (Check Input connection status on Output 3)

```
*999?O03! ↵
```

Ack Value

```
*999s? I03O03!
```

2.4 General Rules for Command Codes

The commands are coded in ASCII and HEXA. Please refer to Table 2.1 on pg. 17 for detailed descriptions of keys and functions. A basic command code setup is shown below;

Ex) *999CI01O01!↵

Start (*) + Router ID (999) + Command (C) + Input number (I01) + Output number (O01) + End (!) + Enter (↵)

- ▶ A command line allows execution of only one command. Multiple commands require execution of multiple strings; one command per string.
- ▶ All s begin with * (Start) byte.
- ▶ All s end with ! (End) byte.
- ▶ All s will be executed when ↵ (Enter) is entered.
- ▶ The correct Router ID must be entered in a command code. Systems will not react to the command if a wrong Router ID is entered. The Factory Default Router ID is set to 999 and the universal Router ID is 999. Systems will react to the command whenever universal Router ID is entered in command code.
- ▶ Command codes typically are not case-sensitive.
- ▶ To specify multiple inputs and outputs, enter a “,” (Comma) between numbers.
(Ex., *999CI01O01,02,03! ↵: Connects Input 01 to Output 01, 02, and 03)
- ▶ Use - (Hyphen) for range connection.
(EX., *999CI01O01-04! ↵: Connects Input 01 to Output 01,02,03, and 04)

Table 2.1 Command Codes Characters Table

The table below shows command code characters (keys), which are used to generate control commands, their functions, and short function descriptions.

Key		Function	Description and Example	Byte
HEX	ASCII			
0x2A	*	Start the command	Header Code	1
0x21	!	End the command	Tail Code	1
	↵	Execute the command	Execute the command	
0x43 0x63	C C	Connect	Initiates a Connect (switch) command for Video; this must precede input and output specification	1
0x3F	?	Status	Status command; this must precede input and output specification	1
0x44 0x64	D D	Disconnect	Disconnect command for both Video and Audio; this must precede input and output specification	1
	,	Space	Separates the numbers within entries that contain multiple numbers	1
	-	Range	Specifies a range of numbers in entries containing multiple numbers	1
	?version	Firmware version check	Firmware version check command; *255?version! ↵	

2.5 Command Ack (Acknowledge) Value Response

When command codes are entered into a terminal emulation program (such as HyperTerminal) and are accepted by the system, they respond back to the terminal screen one at a time, as noted below in the table. The complete command has executed successfully when all of the entered characters including “s” which stands for status, appear. If a command character is not accepted, a different character than the one entered appears and all or part of the command has not been executed.

Ack (Acknowledge) Value Response Table

The following table shows ack value response characters along with their descriptions and meanings, which may appear instead of the initially entered character or number. If these characters appear, all or part of the command has not been executed.

Table 3.2 Descriptions of Acknowledge (ACK) Signals

Ack value	Description
Input 1 is not connected	No information in each channel.
Command Code Error	Indicates that system has rejected all or part of the command

Router ID Error	Indicates that the wrong ID number was entered
-----------------	--

Command Code Ack Value Examples

Command Code Entered	Ack Value as appears in the control program	Explanation of Result
*999CI01O01! ↵	*255sC I01O01 !	The command was successfully executed
*999CO01! ↵	Command Code Error	The command was not executed because the input number was not included
*999CI01O01 ↵	Command Code Error	The command was not executed because “!” (End) was not included
*300CI01O01! ↵	Router ID Error	The command was not executed because the actual Router ID and entered Router ID did not match

2.6 Connecting Switches

A switch is an active connection between an input (source) signal and one or more output (display) devices. The signals connected in a switch command are either individual signals or groups of signals coming through the connectors on the rear of the unit.

The “C” key initiates a Connect command for routing a switch. The characters and numbers that follow the “C” command tell the system, which inputs and outputs to connect. The last character “!” is found at the end of a command code which tells the system to execute the command.

For example, the command code *999CI01O01! ↵

can be interpreted as follows: (*) Starting the command code (999) Router ID is 999 (C) Create connection on (I01) Input 01 to (O01) Output 01 (!) take the command. For a complete list of command characters and their functions, see examples below.

To connect a switch:

1. Enter the Connect command below. Replace the “#”s with the input and output number(s).

*999CI#O#! ↵

Examples (Connect) :

Command Codes	Action
*999CI01O01! ↵	Connect Input 1 to Output 1
*999CI01O04,I04O02! ↵	Connect Input 1 to Output 4 and Input 4 to Output 2
*999CI01O01,I02O02,I03O03! ↵	Connect Input 1 to Output 1, Input 2 to Output 2, and Input 3 to Output 3
*999CI01O01,02,03! ↵	Connect Input 1 to Output 1, 2, and 3

*999CI01O01-04! ↵	Connect Input 1 to Output 1, 2, 3, and 4
*999PTP! ↵	Connect Input 1 to Output 1, Input 2 to Output 2, Input 3 to Output 3 and Input 4 to Output 4

2.7 Disconnecting Switches

The characters and numbers in a Disconnect command tell the system which input or output to disconnect. The “D” key initiates a Disconnect command for routing a switch. The characters and numbers that follow the “D” command tell the system that inputs and outputs to disconnect. The last character “!” is found at the end of the Command code, which tells the system to execute the command.

For example, the command code

*999DI01O00! ↵

It can be interpreted as follows: (*) Starting the command code (999) Router ID is 999 (D) Disconnect on (I01) Input 01 to (O00) Output 00 (!) take the command. For a complete list of command characters and their functions, see the command list below

1. Enter the Disconnect command below. Replace the “#”s with the input and output number(s).

*999DI#O#! ↵

Examples (Disconnect) :

Command Codes	Action
*999DI01O00! ↵	Disconnect Input 1 to no Output (00)
*999DI00O03,04! ↵	Disconnects Outputs 3, and 4
*999DI00O03-04! ↵	Disconnects output 3, and 4
*999DALLIO! ↵	Disconnects all inputs and outputs

EDID Setting

*999EDIDI01E3! ↵

: write E3 EDID (1080p, HD audio) to input # 1

List of EDID

E1	1080p, 2 ch audio	E2	1080p, dolby/dts 5.1	E3	1080p, HD audio
E4	1080i, 2 ch audio	E5	1080i, dolby/dts 5.1	E6	1080i, HD audio
E7	3D, 1080p, 2 ch audio	E8	3D, 1080p, dolby/dts 5.1	E9	3D, 1080p, HD audio
E10	4K@30Hz, 2 ch audio	E11	4K@30Hz, dolby/dts 5.1	E12	4K@30Hz, HD audio
E13	4K@60Hz, 2 ch audio	E14	4K@60Hz, dolby/dts 5.1	E15	4K@60Hz, HD audio
E16	Emulate from HDMI output #1	E17	Emulate from HDMI output #2	E18	Emulate from HDMI output #3

E19	Emulate from HDMI output #4	E20	Emulate from HDBT output #1	E21	Emulate from HDBT output #2
E22	Emulate from HDBT output #3	E23	Emulate from HDBT output #4		

Beep On

*999BeepON! ↵

Beep Off

*999BeepOFF! ↵

Front panel buttons Lock On

*999lockon! ↵

Front panel buttons Lock Off

*999lockoff! ↵

Power on

*999poweron! ↵

Power off

*999poweroff! ↵

Factory setting restore

*999restore! ↵

Reboot

*999reboot! ↵

2.8 Status Check

A connection status can be checked to confirm that the switch has been correctly executed or to confirm correct routing to multiple outputs. The characters and numbers in a status command tell the system which input or output to check.

1. Enter the Connection status check command below. Replace the “#”s with the input and output number(s).

*999?I#!↵ or *255?O#!↵

Examples:

Command Codes	Action
*999?I01! ↵	Check Output connection status on Input 1

*999?O04! ↵	Check Input connection status on Output 4
*999?ALLIO! ↵	Check all Input and Output connection status

Input EDID status

*999?EDIDi01! ↵

I01 = input 1 I02 = input 2 I03 = input 3 I04 = input 4

Firmware version check

*999?version! ↵

Chapter 3. Additional Information

3.1 Manufacturer's Warranty (3-Years)

PureLink warrants this HTX series matrix switcher to be free from defects in workmanship and materials, under normal use and service, for a period of three (3) year from the date of purchase from PureLink or its authorized resellers.

If the product does not operate as warranted during the applicable warranty period, PureLink shall, at its option and expense, execute one of the following as necessary:

1. Repair the defective product or part
2. Deliver to customer and equivalent product or part to replace the defective item
3. Refund to customer the purchase price paid for the defective product

All products that are replaced become the property of PureLink. Replacement products may be new or reconditioned. Repaired or replacement products or parts come with a 90-day warranty or the remainder of the warranty period. Dtrovision shall not be responsible for any software, firmware, information, or memory data loss of contained in, stored on, or integrated with any products returned to Dtrovision for repair under warranty.

3.2 Customer Service

Any customer service inquiries can be submitted electronically through the Q&A form on our website (www.purelinkav.com).

For immediate assistance please contact us at (201) 488-3232 to reach our customer care or tech support team.