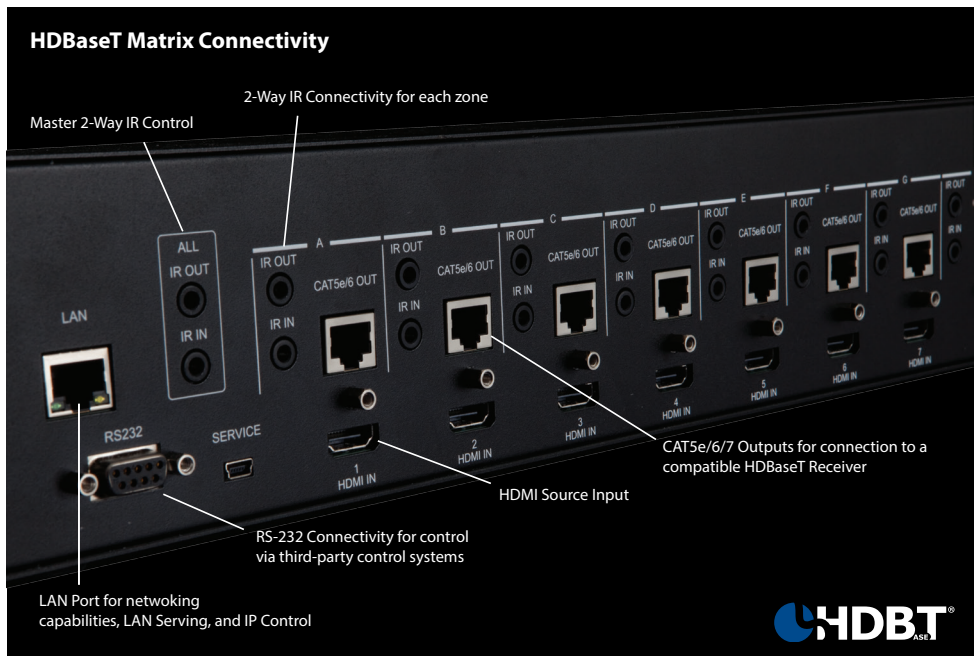# CYP///

Multi-room Matrix Solutions

Introduction

Our vision is simple, to deliver market leading connectivity solutions that enhance the capability of Audio Visual products in any installation environment. Our continued dedication and focus has made CYP a market leader in connectivity solutions for both systems integrators and professional AV installers throughout Europe.

We are proud to now offer the most comprehensive range of multi-room HDMI and HDbaseT™ matrix solutions available on the market today. Within this brochure you will find detailed information about a host of matrix solutions that will suit any installation requirement and budget. All CYP products are designed and engineered to the highest industry standards and boast a vast array of advanced features:

- HDbaseT and HDbaseT Lite Matrix solutions

- Installer friendly EDID management settings for optimising system requirements

- RS-232 driver modules available for all major third party control systems

- IP control. Control selected CYP matrix solutions through any PC or hand held device

- Hot plug friendly. It's safe to hot swap HDMI and CAT cables at any stage without the need for any costly power cycle

All CYP matrix solutions are sold with our satisfaction guarantee*. If you are not completely satisfied with the performance of our products then they can be returned to us without question.

HDBaseT Matrix Connectivity

2-Way IR Connectivity for each zone

Master 2-Way IR Control

LAN

ALL
IR OUT

IR IN

RS232

SERVICE

A — IR OUT — CAT5e/6 OUT — IR IN
B — IR OUT — CAT5e/6 OUT — IR IN
C — IR OUT — CAT5e/6 OUT — IR IN
D — IR OUT — CAT5e/6 OUT — IR IN
E — IR OUT — CAT5e/6 OUT — IR IN
F — IR OUT — CAT5e/6 OUT — IR IN
G — IR OUT — CAT5e/6 OUT — IR IN
IR OUT — IR IN

1 HDMI IN
2 HDMI IN
3 HDMI IN
4 HDMI IN
5 HDMI IN
6 HDMI IN
7 HDMI IN

CAT5e/6/7 Outputs for connection to a compatible HDBaseT Receiver

HDMI Source Input

RS-232 Connectivity for control via third-party control systems

LAN Port for netwoking capabilities, LAN Serving, and IP Control

HDBT®

*Terms and conditions apply.

CYP

MOD-32
32x32 Modular Matrix Chassis (5U)Matrix

MOD-16
16x16 Modular Matrix Chassis (3U)Matrix

The CYP Modular matrix series offers new levels of flexibility and performance to installers looking to effectively distribute and manage AV signals throughout any multi-room AV environment. Our modular solution is available with a 16x16 and 32x32 chassis. These chassis utilise input and output modules, each with 8 input or output connections accordingly. It is also possible to use blanking modules on either chassis effectively creating any modular configuration with multiples of 8 inputs and outputs, up to a full 32x32 matrix.

Select input and output modules with HDBaseT™, HDBaseT™ LITE, HDMI, DVI and VGA technologies for easy in-built signal conversion from any input to any output module. Installers can customise the required input and output modules that are specifically required for their installation.

All CYP Modular Matrices are built-to-order, tested, certified and shipped pre-configured, so when your matrix arrives on site, it is ready to go, straight out of the box. With a team of technicians on hand to customise your modular matrix, we aim to configure any matrix within 24 hours of confirmed order and can often ship same day for next day delivery.

Try using our online modular matrix configuration tool to find out more about the available options and guide you through the configuration process to providing you with a product specification and bill of materials to help the ordering process.

- HDMI, HDCP1.4, and DVI Compliant
- Customise your matrix with modular Input & Output boards to suit the installation environment.
- Integrated internal main power supply and redundant power supply included as standard
- I/O Modules available include: HDBaseT™, HDBaseT™ LITE, HDMI, DVI-D, & VGA
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM (excluding DVI).
- Common supported resolutions: 480i to 1080p, and VGA to WUXGA, plus 4K UHD.

- Supports HDMI input up to 15m 1080p 8bit or 10m 1080p 12bit.
- Installer friendly EDID management settings for optimising system configurations.
- Supports RS-232, Telnet, and IP Controls.
- Supports additional IR Control via a master (ALL) Input/Output.
- Additional DVI output for local display
- Supports 3D signals

FOR THE AV JOURNEY

PU-8H8HBTE-4K22
8x8 HDMI HDBaseT Matrix

The PU-8H8HBTE-4K22 matrix supports the transmission of video and multi-channel digital audio from 8 HDMI sources to 8 HDBaseT outputs via single CAT5e/6/7 cables up to 100m. It supports the latest 4K and UHD video resolutions, HDCP2.2, 3D content and high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio with compatible sources and displays. Connected receivers are powered using the PoC (Power over Cable) feature.

This matrix features control via manual selection buttons, IR, RS-232, Telnet or Web GUI. CYP provide control drivers for all the major control systems and this unit also supports RS232 pass-through to the connected receivers. The PU-8H8HBTE-4K22 is designed to be used with any CYP HDBaseT receivers that can utilise the PoC and LAN capabilities of the matrix. The LAN serving capabilities of the matrix provide network connections in every zone.

- 4K/2K & 4K UHD signals can be transmitted up to 70m via CAT5e/6 and 100m via CAT6a/7
- 1080p signals can be transmitted up to 100m via CAT5e/6/6a/7
- The PU-8H8HBTE-4K22 can be controlled via RS-232, remote control, on-panel control and IP Control (Telnet & Web GUI)
- Supports external and internal EDID settings

PU-8H8HBTPL-4K22
8 x 8 HDMI HDBaseT™ LITE Matrix

The PU-8H8HBTPL-4K22 matrix supports the transmission of video and multi-channel digital audio from 8 HDMI sources to 8 HDBaseT Lite outputs via single CAT5e/6/7 cables up to 60m. It supports the latest 4K and UHD video resolutions, HDCP2.2, 3D content and high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio with compatible sources and displays. Connected receivers are powered using the PoC (Power over Cable) feature.

This matrix features control via manual selection buttons, IR, RS-232, Telnet or Web GUI. CYP provide control drivers for all the major control systems and this unit also supports RS232 pass-through to the connected receivers. The PU-8H8HBTPL-4K22 is designed to be used with any CYP HDBaseT receivers that can utilise the PoC capabilities of the matrix.

- Uncompressed video/audio up to 10.2Gbps
- 1080p including 3D can be transmitted up to 60 meters and 4K UHD signals up to 40m via CAT6a/7
- PoC (Power over Cable) feature available on compatible receivers only
- The PU-8H8HBTPL-4K22 can be controlled via RS-232, remote control, on-panel control and IP Control (Telnet & Web GUI)
- Supports external and internal EDID settings

PU-4H4HBTE-4K
4 x 4 HDMI HDBaseT™ Matrix

3D READY | HDMI | HDBT | 5Play™ | 4K2K

This 4K 4 by 4 Matrix supports the transmission of video, multi-channel digital audio from 4 HDMI sources to 4 outputs over a single CAT5e/6/7 cable (up to 100m) for each output. It supports the latest 4K and UHD video resolutions, HDCP1.4, 3D content and high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio with compatible sources and displays.

This matrix features control via manual selection buttons, IR, RS-232, Telnet or Web GUI. CYP provide control drivers for all the major control systems and this unit also supports RS232 pass-through to the connected receivers.

The PU-4H4HBTE-4K is designed to be used with any CYP HDBaseT receivers that can utilise the PoC and LAN capabilities of the matrix. The LAN serving capabilities of the matrix provide network connections in every zone.

• HDMI, HDCP 1.4 and DVI compliant
• 4K/2K & 4K UHD signals can be transmitted up to 70m via CAT5e/6 and 100m via CAT6a/7
• Supports 1080p distances up to 100 meters through CAT6/7 cables
• Supports LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus

and DTS-HD Master Audio transmission
• Supports RS-232 for Matrix Control, plus RS-232 pass-through: Third-party devices can be controlled in each zone via RS-232 from the head-end to the receiver, or head-end devices can be controlled via RS-232 from any receiver in any zone.

PU-44XL-KIT
4x4 HDBaseT™ LITE Matrix

3D READY | HDMI | HDBT

This 4 by 4 HDMI HDBaseT Lite Matrix Express Installation Kit has been developed as a robust and cost effective true cross-point matrix solution at the heart of any four zone multi-room environment. Supplied complete with a HDBaseT Lite Matrix plus four compact receivers, the kit enables an installer to easily and confidently configure a 4-zone multi-room AV system using HDBaseT Lite technology and distribute content throughout the system over a Single CAT5e/6/7 cable infrastructure.

The Express Install Kit supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio, and control via IR, RS-232, or Web GUI/Telnet IP, from four high definition sources to four HDBaseT outputs over a single CAT5e/6/7 cable (up to 60m) for each output.

The PU-44XL-KIT is supplied with 4x PU-514L-RX receivers which utilise the 2-way IR control capabilities of the matrix. Utilise the USB power output from a TV as an optional way of powering the PU-514L-RX receiver unit alternative to a mains power supply.

Use the IP control feature to enable users to access and control the matrix remotely and also allow additional options for integration of third-party control systems. CYP provide control drivers for control systems such as Control 4, RTI, Crestron, AMX, Control FX, and Demopad. These are available at no extra cost.

• Uncompressed data transfer over single CAT cable (60m using CAT5e/6/7)
• Supports RS-232, 2-Way IR, Manual Selection Buttons, and HDMI CEC control pass through
• Selectable EDID settings - TV (downstream) and STD (fixed)
• Compact 1U Rack mount design

• Supports full IP control
• Choose to power the PU-514L-RX via the USB output from a TV (Cable available separately - ADC-USB): * Please note the performance and consistency of USB power outputs from TV's can vary and cannot be guaranteed by CYP

PU-442PL-KIT

4x4 HDMI HDBaseT™ Lite Matrix

This 4 by 4 HDMI HDBaseT Lite Matrix with two additional simultaneous HDMI outputs supports the transmission of video (resolutions up to 1080p Full HD and 1920x1200@60Hz), multi-channel digital audio, and control via IR, RS-232, or Web GUI/Telnet IP, from four high definition sources to four HDBaseT outputs over a single CAT5e/6/7 cable (up to 60m) for each output. Output A and C have additional mirrored HDMI outputs, for added installation flexibility.

The PU-424HBTL-KIT is supplied with 4x PU-514L-RX receivers which utilise the 2-way IR control capabilities of the matrix. Utilise the USB power output from a TV as an optional way of powering the PU-514L-RX receiver unit alternative to a mains power supply.

Use the IP control feature to enable users to access and control the matrix remotely and also allow additional options for integration of third-party control systems. CYP provide control drivers for control systems such as Control 4, RTI, Crestron, AMX, Control FX, and RTI. These are available at no extra cost.

- HDMI, HDCP and DVI compliant
- Uncompressed data transfer over single CAT cable (60m - CAT5e/6/7)
- Supports third-party control systems, with drivers available for: Control FX, AMX, Crestron, RTI, Control 4
- Supports RS-232, 2-Way IR, Manual Selection Buttons, and HDMI CEC control pass-through
- Selectable EDID settings - TV (downstream) and STD (fixed)

- Supports additional IR Control via a master (ALL) Input/Output
- Supports full IP control
- Supplied with 4x PU-514L-RX receivers
- Choose to power the PU-514L-RX via the USB output from a TV (Cable available separately - ADC-USB): Please note the performance and consistency of USB power outputs from TV's can vary and cannot be guaranteed by CYP

HDBaseT Receivers (up to 100m)

PU-507RX
HDBaseT Receiver

The PU-507-RX Receiver allows uncompressed HDMI signals, IP data, and PoC to be received over a single CAT5e/6/7 cable.

PU-507WPRX
HDBaseT WallPlate Receiver

The PU-507WPRX Wall Plate Receiver allows uncompressed HDMI signals, IP data, and PoC to be received over a Single CAT5e/6/7 cable

PU-507RX-2H
HDBaseT Receiver

The PU-507RX-2H Receiver has 2x HDMI outputs and allows uncompressed HDMI signals, IP data, and PoC to be received over a single CAT5e/6/7 cable.

PU-507RX-2HCD
HDBaseT Receiver

This receiver has 2x HDMI, 2x LAN, plus digital and analogue audio outputs allowing uncompressed HDMI signals, IP data, and PoC to be received over a single CAT5e/6/7 cable.

HDBaseT LITE Receivers (up to 60m)

PU-515PL-RX
HDBaseT Lite Receiver

This receiver allows uncompressed HDMI signals, control, and PoC to be received over a single CAT5e/6/7 cable.

PU-515PL-WPRX
HDBaseT Lite WallPlate Receiver

This wallplate receiver allows uncompressed HDMI signals, control, and PoC to be received over a single CAT5e/6/7 cable.

PU-515PLRX-2HCD
HDBaseT Lite Receiver

This receiver has 2x HDMI, plus digital and analogue audio outputs allowing uncompressed HDMI signals, control, and PoC to be received over a single CAT5e/6/7 cable.

iew our full product range

OR-HD88HC
v1.4 HDMI 8x8 Matrix Switcher

The OR-HD88HC Matrix Switcher connects eight HDMI sources to 16 displays. This matrix features 8 HDMI outputs and each HDMI output is mirrored to provide a Twin CAT output which runs simultaneously. Connect a PU-1106RX Receiver to each of the Twin CAT outputs to extend the HDMI signal up to 45m for multi-room connectivity.This matrix switcher can be controlled via the supplied IR Remote Control, RS-232, or by using the selection buttons on the front of the unit. This device supports 'Deep Colour', High Definition Audio, and 3D signal compatibility.

- HDMI, HDCP 1.1, DVI 1.0 compliant
- Resolutions supported: PC - VGA to WUXGA ; HDTV - 480i to 1080p plus 1080p24fps
- High Definition audio supported: Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio and LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard

- HDMI signal running up to 15m at 1080p
- RS-232, CEC Command functionality, IR Remote Control, and IR extender supported
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Supports Deep Colour (10 & 12 bit)
- Supports 3D signals
- Key lock function

OR-HD44S
v1.3 HDMI 4x4 Matrix Switcher

The OR-HD44S Matrix Switcher connects four HDMI sources to four displays allowing any source to be independently displayed on any screen. This matrix switcher can be controlled via the supplied remote control, RS-232, or by using the input switching buttons on the front of the device. This device is compatible to v1.3 HDMI specifications, supporting 'Deep Colour', High Definition Audio, and 3D signal compatibility.

- v1.3 HDMI, HDCP 1.1 and DVI 1.0 compliant
- HDMI 4 x 4 Matrix Switcher
- Resolutions supported: PC - VGA to UXGA; HDTV - 480i to 1080p plus 1080p24fps
- High Definition Audio supported: Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio plus LPCM
- The HDMI input is compensated, clock / phase adjusted, and jitter eliminated so the output is a brand new standard HDMI signal

- Supports IR remote control and IR extender together with RS-232 control
- Supports 'Deep Colour' (10 & 12 bit)
- Selectable EDID settings - TV (downstream) and STD (fixed)
- Power, HDMI/DVI & HDCP plus independent output LED's indicator
- Supports 3D signals

FOR THE AV JOURNEY

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Authorised Distributor Stamp: