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TECHNOLOGY GROUP

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Modula | Series4 Distribution Matrix

I/O RANGE

4x4, 4x8, 4x12, 4x16, 4x20, 4x24, 4x28, 4x32
8x4, 8x8, 8x12, 8x16, 8x20, 8x24, 8x28, 8x32
12x4, 12x8, 12x12, 12x16, 12x20, 12x24, 12x28, 12x32
16x4, 16x8, 16x12, 16x16, 16x20, 16x24, 16x28, 16x32
20x4, 20x8, 20x12, 20x16, 20x20, 20x24, 20x28, 20x32
24x4, 24x8, 24x12, 24x16, 24x20, 24x24, 24x28, 24x32
28x4, 28x8, 28x12, 28x16, 28x20, 28x24, 28x28, 28x32
32x4, 32x8, 32x12, 32x16, 32x20, 32x24, 32x28, 32x32

SIGNAL TYPES

Composite, S-video, Y/c
HDTV, Y/Pb/Pr, YUV
RGB, RGsB, RGBS, RGBHV
Mono audio, Stereo audio
Microphone audio
S/PDIF, AES 75 Ω



For a list of pre-configured systems and more information on custom solutions please visit (www.autopatch.com/modula)

The Modula Series is designed for flexibility, I/O boards simply slide into place as needed to increase matrix size. This can be done at the time of purchase, or later in the field. Multiple signal types in various I/O ranges can be combined in the same enclosure (as space allows) or in the same system via linking enclosures.

ULTRA-FLAT RESPONSE

The video frequency response in the Modula series is a tight +/-3 dB, unlike other manufacturers who specify only –3 dB to allow for the use of excessive peaking, damaging the signal, to record a wider bandwidth.

COST EFFECTIVE

Designed to route RGBHV over HD-15 connections. A single 4 rack unit enclosure can hold up to 32x32 RGBHV at 1/2 the cost of the traditional BNC model. For even more flexibility audio boards, and video boards using traditional BNC connectors, can be combined in the same enclosure (as space allows), or in the same system via linking enclosures. And, as with all AutoPatch products the Modula Series4 maintains a consistent high bandwidth linearity (300 MHz at +/-3 dB) and low crosstalk.

VIRTUAL MATRIX

For even more flexibility virtual matrix programming levels allow multiple enclosures to be treated as a single system, or single enclosures to be treated as multiple independent routers.

MULTIPLE CONTROL OPTIONS

Choose from local control panel or blank front panel. All models come with standard RS-232/422 control port, support AutoPatch's simple BCS serial control protocol, and ship with free APControl software. AutoPatch also carries remote and TCP/IP control options (TCP/IP is via an external module).

AUTOPATCH™
High Performance Signal Routing

Web: www.autopatch.com | Phone: 800.622.0246 • 509.235.2636 • Europe: +44 (0) 1347 812310 | E-mail: sales@autopatch.com • Europe: info@autopatch.com

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GENERAL

AC Power:	100-240 VAC single phase, 50-60 Hz
Power Consumption (max):	260 Watts per loaded enclosure
Operational Temperature:	32° to 110° F (0° to 43° C)
Humidity:	0 to 90% non-condensing
Enclosure Dimensions:	17" (43.18 cm) depth 17.4" (44.2 cm) width without mounting ears 18.8" (47.7 cm) width with mounting ears
Height:	7.0" (17.8 cm) 4 RU
Weight:	Appx. 22 lbs (9.98 kg) per loaded enclosure
Approvals:	CE, UL, cUL, FCC

STANDARD AUDIO

Input Level (max):	+22 dBu, balanced
Input Impedance:	18 kΩ
Output Level (max):	+22 dBu, balanced
Output Impedance:	50 Ω
Frequency Response:	<+/-0.1 dB (20 Hz to 20 kHz)
THD + Noise:	<0.02% (20 Hz to 20 kHz, Vin = -10 to +22 dBu), no volume control <0.03% (20 Hz to 20 kHz, Vin = -10 to +22 dBu), volume control
Crosstalk:	<-95 dB (1 kHz, Vin = +20 dBu)
Signal to Noise Ratio:	>110 dB (20 Hz to 20 kHz, Vin = +20 dBu)
Input Gain Adj. Range:	-6 dB to +6 dB
Output Gain Adj. Range:	-10 dB to +6 dB
Output Volume Control Adj.	+10 dB to -70 dB (muted)
Connector Options:	3T, 5T

STANDARD VIDEO

Input Level (max):	+/-1.2 V
Input Impedance:	75 Ω
Output Level (max):	+/-1.2 V
Output Impedance:	75 Ω
Frequency Response:	50 MHz or better (+/-3 dB) 20 MHz or better (+/-1 dB)
Crosstalk:	<-50 dB (f = 5 MHz)
Connectors:	BNC

WIDEBAND VIDEO

Input Level:	+/-1.75 V
Input Impedance:	75 Ω
Output Level:	+/-1.75 V
Output Impedance:	75 Ω
Frequency Response:	300 MHz or better (+/-3 dB) 200 MHz or better (+/-1.5 dB) 60 MHz or better (+/-1 dB)
Crosstalk:	<-60 dB (f = 5 MHz) <-30 dB (f = 150 MHz)
Sync Input/Output Level:	TTL
Connectors:	BNC

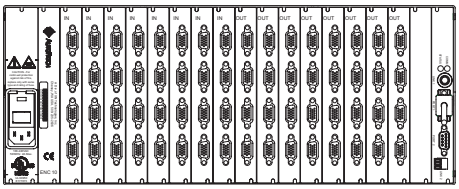
RGBHV OVER HD-15 CONNECTORS

Input/Output Level (max):	+/-1.5 V
I/O Impedance:	75 Ω
Frequency Response:	300 MHz or better (+/-3 dB)
Crosstalk:	< -50 (f = 5 MHz) / < -30 (f = 150 MHz)
Sync I/O Level:	TTL
Connectors:	HD-15

FEATURES

- Lifetime Warranty
- AutoAssist 24-hour technical support
- Ultra-Flat Response
- Choice of front panel control or blank front panel
- Remote control options available
- RS-232/422 control port
- Breakaway
- Virtual Matrix Levels
- Programmable macro functions
- Global and local presets
- Groupings
- Ships with free APControl software
- Optional volume control
- Optional SYNC input for vertical interval switching
- Optional redundant power supply
- Supports simple AutoPatch BCS serial control protocol
- Linkable enclosures
- Rack mounting ears included
- Audio connections support balanced or unbalanced

32X32 RGBHV (HD-15 CONNECTORS) 4 RU



1 of thousands of possible configurations

Lifetime Warranty

AUTOASSIST
24hrs / 800.622.0246
International 509.235.2636

ULTRA-FLAT RESPONSE CERTIFIED

AUTOPATCH™
High Performance Signal Routing

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