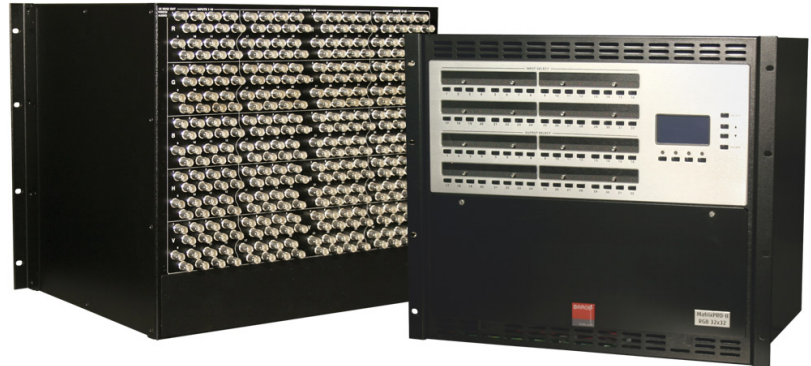


MatrixPRO-II analog series

Next generation of analog wideband matrix switchers



Barco's MatrixPRO-II series features bandwidth greater than 600 MHz @ -3 dB with ± 1.0 dB flatness to 300 MHz. This high bandwidth and flat frequency response allows for image switching and signal distribution without artifacts. All models feature a genlock input, ensuring that all switching is synchronized with the house sync. A user-selectable RGB delay mode allows down-stream equipment to lock to a new signal before anything is visible on the screen. Up to 32 presets can be stored for easy system reconfiguration.

Barco's MatrixPRO-II series also features I/O grouping and split mode switching, which allows the matrix to be divided into smaller sub-switchers and each color channel to switch independently. The MatrixPRO-II routers can be controlled from the front panel, RS-232, or Ethernet connections. All models are controllable from Barco's Encore and ScreenPRO-II presentation systems, which results in an easy, integrated workflow.

Barco's MatrixPRO-II analog series offers three models of wideband matrix switchers: 12x8, 16x16 and 32x32. All three configurations are available with an audio option and the 12x8 and 16x16 models are also offered with an optional cable equalization feature.

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Technical specifications

Video	Connector type: female BNC Bandwidth (fully loaded @0.7Vpp): 600MHz at -3dB Flatness: +/-1.0dB to 300MHz Gain: Unity Impedance: 75 Ohm Level: .7V nominal, 2V max p-p RGB output delay: 0.1 to 10 sec
Sync	Input level: 0.5V to 5.0V p-p, 4V nominal Output level: TTL 2.4V into 75 Ohm load Impedance: 75 Ohms Polarity: same as input ohms Cable equalization: available on EQ models
Audio	Number of input and outputs: matches video I/O configuration Type: balanced stereo Connector: five position pluggable captive screw terminal Frequency: 20Hz to 20 kHz HD + noise: .05% at 1kHz at max rated output Signal/noise ratio: >90 dB Impedance: 10 kOhm (input) / 50 Ohm (output) Max level: +22 dBm (input and output) Input gain switch: 0/+ 14dB switchable per input Input trim range: +/- 10dB per input Output volume range: -45 to +5dB per output Audio test conditions: 1kHz tone @ 0dBm (input) / 600 Ohm load (output)
Power	Input power: 100-230V, 1.3A max