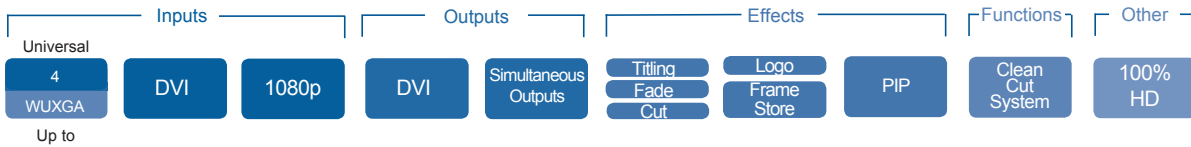


# Quattro Value

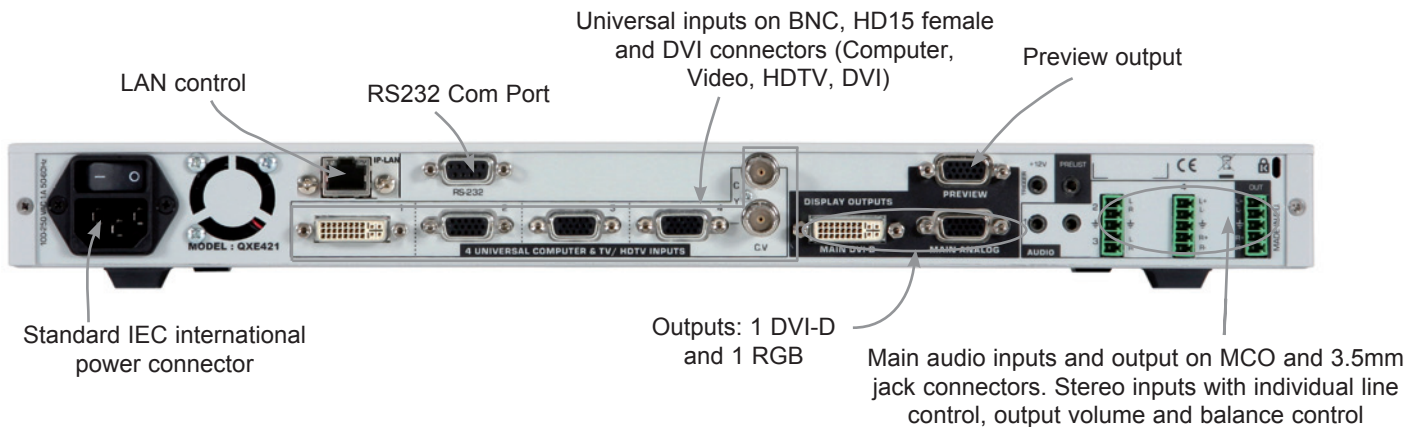
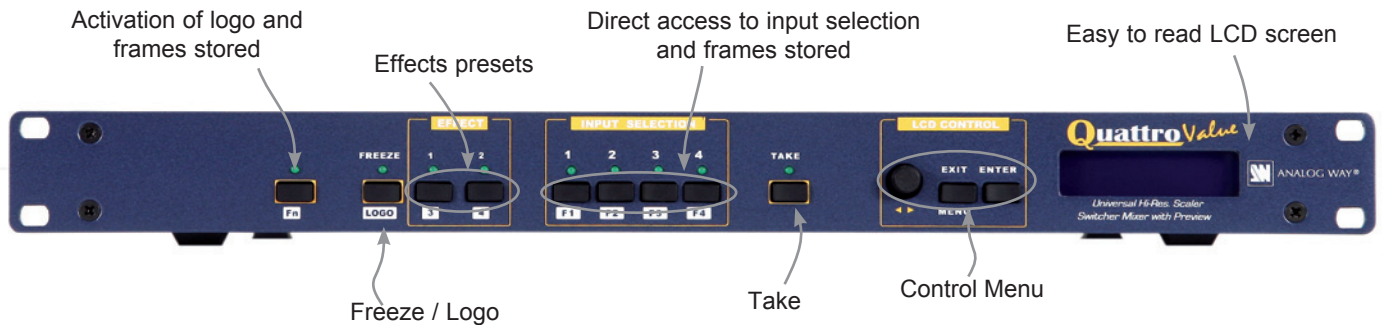


Ref. QXE421

HD Seamless Switcher for Conference Rooms, Houses of Worship and Large Screen Projections



## Preliminary Pictures



### Inputs

- 4 universal inputs with DVI
- Computer and DVI up to WUXGA / 1080p
- Video: NTSC/PAL/SECAM, S. Video, YUV, RGB, HDTV
- Stereo Audio with level adjustment for each input

### Outputs

- Main: 1 RGB + 1 DVI-D up to WUXGA / 1080p
- Preview: XGA RGBHV
- Audio Stereo Main and Pre-List with level adjustment

### Effects

- Scaled Preview and Hi-Res. Picture in Picture
- Fade, Titling, Seamless and Clean Cut
- Logo insertion: 1 animated and 8 still logos
- 4 Frames Stored stored in non-volatile memory



ANALOG WAY®

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# Seamless Switchers

## Technical Specifications

### 4 Universal Inputs

- Composite Video NTSC = 15.735 kHz/60 Hz  
PAL/SECAM = 15.625 kHz/50Hz
- S.Video (Y/C) NTSC = 15.735 kHz  
PAL/SECAM = 15.625 kHz/50Hz
- Component (YUV) 15.625 kHz/50 Hz – 625L  
15.735 kHz/60 Hz – 525L
- RGB/S (TTL or 0.3V Analog), RGsB (SOG: 0.3V Analog),  
15.625 kHz/50 Hz - 625L, 15.735 kHz/ 60 Hz - 525L
- HDTV: Component (HDYUV 2/3 Level Sync.) 1080i/60-50Hz,  
720p/60-50Hz, 480p/60Hz
- Computer (RGB HV, RGB/S and RGsB): PC, Mac, Workstation.  
Automatic Sync. & centering. Resolution from 640x480 to  
1600x1200 (up to 110kHz)
- DVI: Digital computer up to 1600x1200/60Hz and  
1920x1200/60Hz, <sup>(1)</sup>RB (Fp: 165MHz max)

### Audio Inputs

- 4 Stereo Inputs
  - Zi = 20 kOhms unbalanced
  - Zi = 40 kOhms balanced
- 1 balanced audio input
  - Gain: adjustable
- 3 unbalanced audio inputs
- Vi = + 18 dBu max

### Main Display Output

- 1 x output (1 on HD15 F connector, RGB HV, RGB/S or RGsB  
selectable (H&V separated, Sync. Composite or SOG),  
RGB= 0.7Vp/p (75 Ohms)
- 1 x DVI-D on DVI-I connector
- Resolution: 4/3 & 5/4 = SVGA, XGA, SXGA+, UXGA, 16/9 &  
16/10 = WVGA, WSVGA, WXGA, WSXGA, WSXGA+,  
WUXGA, 1080p
- Rate: Internal 50, 60, 72(\*) & 75(\*) Hz and Follow  
(\*) : depending on resolution

### Preview Display Output

- 1 x RGB HV separated Sync - RGB = 0.7V p/p (75 Ohms),  
resolution: XGA, Rate: 60Hz, Zo = 300 Ohms
- G = 0dB nominal, with master volume

### Main Audio Output

- Stereo output (balanced & unbalanced)
- Vo = + 18 dBu max - Zo = 300 Ohms (unbalanced)
- Vo = + 24 dBu max - Zo = 600 Ohms (balanced)
- G = 0dB nominal, with volume

### Prelist Audio Output

- Stereo output unbalanced
- Vo = + 18 dBu max

### User Controls and Connectors

#### FRONT PANEL

#### User controls:

- Selection of inputs 1 to 4
- Programmable effect keys
- Freeze, Take
- LCD window & control buttons for menu: Test patterns, proc.  
image adjust., input format selection, output format display, output  
format & sync., audio input level and output, volume adjustments,  
position & size adjustments, front panel control lockout

#### REAR PANEL

#### Input Connectors:

- Input #1: DVI-I
- Inputs #2 and #3: HD 15F
- Input #4: HD 15F + 2 BNC
- Audio inputs 2 to 4: on 5-pin screw terminal
- Audio input 1: on 3.5 Stereo Jack

#### Output Connectors:

- Main Video: DVI-I + HD 15F
- Preview Video: HD 15F
- Main Audio: 5-pin screw terminal
- Prelist Audio: 3.5 Stereo Jack

#### Other:

- 1 x DB9F with 2 RS232 ports
- 1 x 3.5 Jack: +12Vdc trigger
- Optional Ethernet Port 10/100BT: RJ45

### Power Supply

Internal, universal, automatic, 100-250, VAC; 50/60 Hz (50 W)  
(UL, CSA, GS, CE), ON/OFF AC Main Switch

Quattro Value by Analog Way is a High Resolution Digital and Analog, Computer & Video Scaler Seamless Switcher. In addition, QXE421 offers a true scaled preview and effects including High Resolution PIP for Computer & Video formats.

The Quattro Value is fitted with 4 Universal A/V inputs including one DVI, and 3 outputs: 1 Analog, 1 DVI for the Main and 1 Analog for the Preview. It performs an ultra fast and smooth transition between any Video or Computer sources. It also allows true seamless switching between one computer Input (direct) and any other Video or Computer Input.

**Preview** : QXE421 is fitted with a true scaled Preview out offering the facility to visualize any source before displaying it on the Main output. Preview out ensures easy and safe presentations since any Video or Computer source can be checked on a simple LCD screen before being shown to the audience.

**PIP** : QXE421 creates High Quality picture insertion from any input. The PIP can be smoothly sized and moved anywhere over the background image. The PIP source can be fast & smoothly switched through a fade to black or customized color. The PIP opening offers a choice between Cut and Fade.

**Other effects**: The Quattro Value features effects such as fade and titling, high resolution logo insertion and frames stored.

QXE421 is a High Performance State of the Art Up/Down Video and Computer Scaler. Ready to fit the native resolution of the latest HD display devices, it provides a high quality image thanks to its high quality digital decoder, improved 3:2 and 2:2 pull down circuitry, auto-adaptative pixel by pixel 3D motion compensation, time base corrector, frame rate converter & follower.

Easy to use, the Quattro Value offers an Auto Setup function and a powerful Auto Clock & Phase for Computers. Each input image control - brightness, contrast, color, hue, processing, aspect ratio, zoom, etc ... - can be individually set and stored in non-volatile memories. Each of the 4 Inputs is fitted with a stereo audio line.

The audio can either follow or break away from the Video image. QXE421 is fitted with a Dual RS232 Com port for Integral remote control and automatic control of other devices in the installation. Field upgradable firmware maintains the high value of your equipment. Upgrades are available on the website and a TCP/IP connection allows for remote control and/or upgrade.

This ultra compact and user friendly device is designed for high resolution A/V presentation displays, Houses of Worship, conference and boardrooms, and events.

## Reference

> QXE421: Quattro Value with RS232 com port

## To control Quattro Value

• RKD500-T: Remote control keypad with T-Bar

### Supplied with

- 1 x Power cable
- 1 x Set of 3 audio 5-pin screw terminals
- 1 x DVI-VGA adapter
- 1 x HD15F-5BNC adapter cable of 0.5m (1.6ft)
- 1 x Remote control software
- 1 x User Manual

### Dimensions: 19", 1U Compatible

- D 10.4" x W 19" x H 1.74"
- D 265 mm x W 482 mm x H 44 mm

**Weight:** 3.5 kg (7.7 lbs)

### Warranty

3 year warranty on parts and labor back to factory

Specifications subject to change without prior notice

<sup>(1)</sup>RB = Reduced Blanking

Vers: SB-01/19/10 -QXE421