

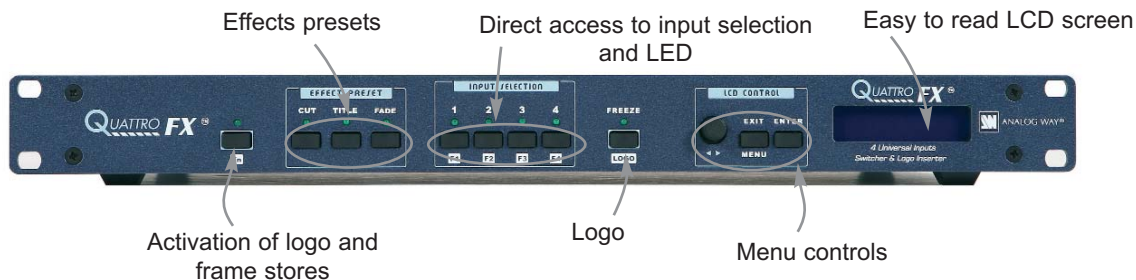
Quattro FX™

Quattro FX

New!

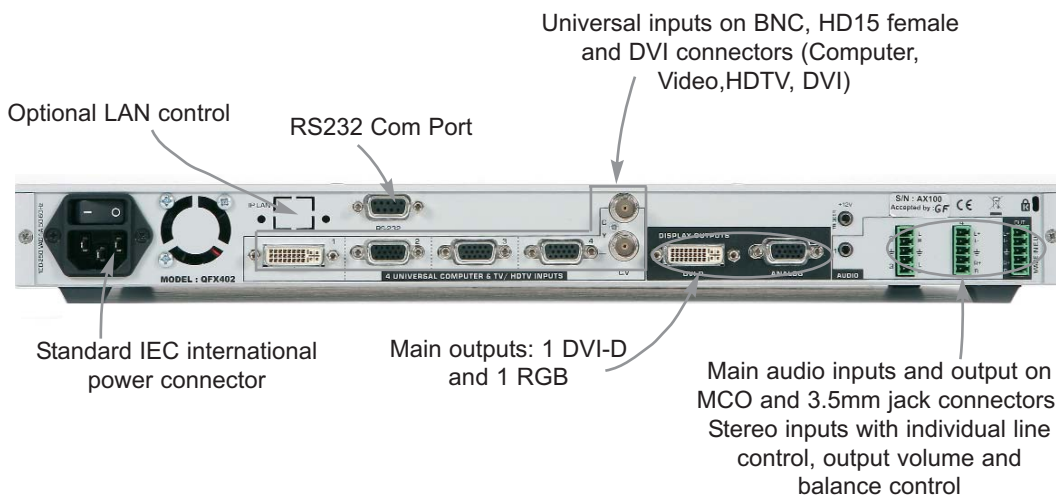
Model QFX402

- > HD Seamless Switcher for Conference Rooms, Houses of Worship and Large Screen Projections
- > 4 Universal Inputs with Audio:
 - NTSC / PAL / Secam, S. Video, YUV, RGB, HDTV
 - Computer up to UXGA
- > Analog and Digital Inputs/Outputs up to 1080p
- > Animated or Still Logo, Fade, Titling, Cut and Frame Stores



Inputs

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



Outputs

- Main: 1 DVI-D + 2 RGB up to UXGA / 1080p
- Audio Stereo with level adjustment

Effects

- Fade, Titling, Seamless Cut
- Ultra fast and smooth switching
- Logo insertion: 1 animated or 8 still logos
- 4 Frame Stores stored in non volatile memory



ANALOG WAY®

www.analogway.com

P/N: QFX402-A1206-VA

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), RGB (SOG: 0.3V Analog), 15.625 kHz/50 Hz - 625L, 15.735 kHz/ 60 Hz - 525L
- **HDTV: Component** (HD-YUV 2/3 Level Sync.)
1080i/60-50Hz, 720p/60-50Hz, 480p/60Hz
- **Computer** (RGB HV, RGB/S and RGBB): PC, Mac, Workstation. Automatic Sync. & centering. Resolution from 640x480 to 1600x1200 (up to 110kHz)
- **DVI:** Digital computer up to 1600x1200 RB/60Hz and 1920x1080/60Hz (Fpx: 165MHz max)

AUDIO INPUTS:

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

MAIN DISPLAY OUTPUT:

- 1 x Buffered output (1 on HD15 F connector)
RGB HV, RGB/S or RGBB 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+, 1080p
- Rate: Internal 50, 60, 72(*) & 75(*) Hz and Follow
- (*) : depending on resolution

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

USER CONTROLS and CONNECTORS:

FRONT PANEL:

- **User controls:**
- Selection of inputs 1 to 4 and frame stores
- Programmable effect keys
- Freeze
- 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 and auxiliary: on 5-pin screw terminal
- Audio input 1: on 3.5 jack stereo
- **Output Connectors:**
- Main Video: DVI-I + HD 15F
- Main Audio: 5-pin screw terminal
- **Others:**
- 1 x DB9F with 2 RS232 ports
- 1 x Jack 3.5: +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

- **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)

SUPPLIED WITH:

- 1 x Power cable
- 1 x Set of 5 audio 5-pin screw terminals
- 1 x DVI-VGA adapter
- 1 x HD15F-5BNC adapter cable of 0.5m (1.5ft)
- 1 x Remote control software
- 1 x User Manual

QUATTRO FX™ by Analog Way is a **High Resolution Digital and Analog, Computer & Video Scaler Seamless Switcher.**

QFX 402 features many effects: fade and titling, high resolution logo insertion and frame stores. It is fitted with 4 Universal A/V inputs including one DVI, and 2 outputs: 1 Analog and 1 DVI. It performs an ultra fast and smooth transition between any Video or Computer sources. It also allows a true seamless cut between one Computer Input (direct) and any other Video or Computer Input.

Title Effect: **QFX 402** can mix a Computer source with any Video or Computer source for titling. The title remains on the screen during the transition. **QFX 402** also features a shadow title effect with settable vertical size and position that enhances the readability of the titling text over very bright images.

Fade Effect: **QFX 402** features cross-fade effects between Computer and Video (TV/HDTV) or Computer sources, with adjustment of the cross-fading duration.

Logos and Frames: **QFX 402** can store in its non volatile memory 8 Still or 1 Animated Logos and 4 Full Frame Images in true Hi-Res. 16 million colors. Recording is done either by direct acquisition from Input source or from Computer download of image files. Up to 2 Logos can be assigned to each input to be displayed at any position on the output screen. Logos can have any shape due to the keying capability, and transparency is user adjusted. Full Frames can be used as welcome or transition image or PIP Background.

QUATTRO FX 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, **QFX 402** 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. **QFX 402** 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 **Analog Way** web site. An optional TCP/IP connection allows for remote control and/or upgrade.

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

To control the Quattro FX:

- **RKD500-T:** Remote console with T-Bar
- **RKD500:** Remote console
- **RKD100:** Remote console
- **Axion:** High End Remote controller



RKD500-T

RKD100

REFERENCES

> **QFX:** QUATTRO FX with RS232 com port

- **RKD500*:** Remote control keypad
- **RKD500-T *:** Remote control keypad with T-Bar
- **RKD100*:** Remote control keypad
- * : sold separately

OPTION

- **OPT-LAN :** Optional TCP/IP control interface

Cables for the Quattro FX

- **S.Video Cables** from 1.8m/6ft to 20m/66ft - Refs 10009 - 10093 - 10094 - 10095
- **S. Vidéo to BNC Cables** of 1.8m/6ft and 5m/16ft - Refs 10102 - 10103
- **RCA Cable** of 1.2m/4ft - Ref. 10010
- **RCA / BNC Adapter Cables** - Ref. 10011
- **Jack Stereo Cable** of 1.2m/4ft - Ref. 10012
- **Audio Stereo Cable** of 1.2m/4ft - Ref. 10013
- **VGA Cables** from 0.4m/1ft to 1.8m/6ft - Refs 10014 - 10015 - 10077
- **VGA/BNC adapter Cables** of 1.8m/6ft and 3m/10ft (M/M et F/M) - Refs 10023 - 10024 - 10025 - 10026
- **Remote Cables** from 0.5m/1ft to 30m/100ft - Refs 10109 - 10110 - 10111 - 10112 - 10113 - 10114
- **Call us for long distance Copper DVI Cables** from 1.8m/2ft to 70m/230ft

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