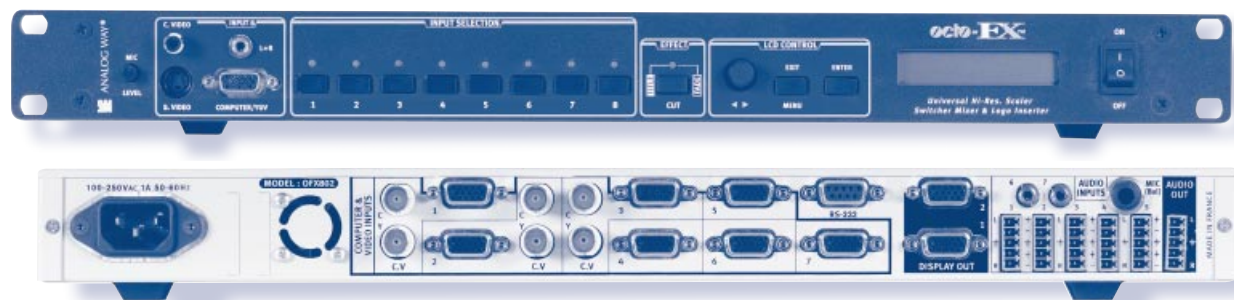


# COMPUTER & VIDEO SEAMLESS SWITCHER FADE + TITLE EFFECTS & LOGO INSERTION

FOR HIGH END PRESENTATION USING TITLE, FADING & LOGO INSERTION  
CONFERENCE - BOARDROOMS & COMMERCIAL - LARGE SCREEN PROJECTION

**OCTO-FX™** Ref: OFX802

- > **8 Universal Inputs with Audio/Video & 1 Microphone NTSC/PAL/SECAM, S.Video, YUV, RGB, HDTV**
- Computer: up to UXGA**
- > **A/V Outputs:**
- 2 x Scaled up to 1280 x 1024 (& D-ILA)**
- > **Fading, Titling**
- > **Hi-Res. LOGO Inserter**
- Logo(s) from Computer and Video Sources**
- Capture of 8 logos and 1 Frame Store**



## REFERENCE:

- OFX802: OCTO-FX™ with Remote Control Software RS-232
- OPT-VOV 802: Voice Over Control for Microphone\*
- OPT-LAN : IP/Ethernet Control
- RK802-F: Remote Control Keypad\*



\*Optional

## FEATURES:

- 8 Universal Inputs (up to UXGA, Video, HDTV) + Audio
- Auto Image Centering
- 2 Buffered Outputs Scaled up to SXGA, D-ILA, HDTV
- Dissolve & Title between Computer & Video or between Computers
- 8 Logos and 1 Full Frame stored in Non-Volatile Memory
- Flash Capture of Logo by Keying or Image Cut-Out
- Ultra Smooth and Seamless Switching Modes
- 1 Fully Featured Microphone Input
- Improved Active Motion Compensation, FRF, TBC, FRC 2:2 and 3:2 Pull Down Correction
- Test Patterns

**Octo-FX™**

**Voice Over** (Optional, factory mounted). Allows to adapt automatically the selected audio source, with the level of the speaker microphone (Ref. **OPT-VOV 802**).

- Products PDF
  - Panel drawing in DXF format
  - The latest product upgrade
  - The latest Control Software
- Available for download at [www.analogway.com](http://www.analogway.com)

## DESCRIPTION:

The **OCTO-FX™** is a computer & video up/down scaler switcher featuring **Fading & Titling Effects** together with **Hi-Res. LOGO Insertion and FRAME Store functions**. Fitted with 8 universal A/V inputs, it performs a fast and ultra-smooth transition between any video or computer sources. It also allows a true seamless switching between one computer input (direct) and any other video or computer inputs.

**TITLING EFFECTS:** It is possible to maintain an active title while switching between two inputs. The title will remain on the screen during the transition. Another feature is the shadow title with settable vertical size and position. In addition, **OCTO-FX™** enables to display a title over a computer & video image.

**FADING EFFECTS:** this product features Fade, Dissolve, Black & Cut effects between Video (TV) and computer or between computer & computer. **OCTO-FX™** also allows to adjust the cross-fading duration.

**LOGO INSERTION** of a true Hi-Res. 16 million colors image defined either by keying or image cut-out. The **FRAME STORE** and **LOGO(S)** can be flash captured from any video or computer sources into a non-volatile memory. Up to **2 logos** can be allocated **by input** and positioned anywhere on the screen. The **Frame Store** can be used as a Welcome Image or as a Transition Image while switching between 2 sources.

The **OCTO-FX™** can fit with the native resolution of the projection display and provide you with a high quality image thanks to its integrated 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. Each input image controls can be individually set and stored in non-volatile memories.

Each of the 8 Inputs is fitted with a stereo audio line. Each audio channel can be adjusted and either follow or break away from the video image. One additional microphone input is provided with "anti-pop" filter, Noise Gate and compressor function.

The RS232 & IP Ethernet Controls offer also a futur proof capability about upgrades.

This ultra compact and user friendly device is especially dedicated to High Resolution A/V presentation displays, conference and boardrooms, commercial and events.

## TECHNICAL SPECIFICATIONS:

### 8 UNIVERSAL VIDEO INPUTS:

- Composite Video  
NTSC = 15.735 kHz/60 Hz  
PAL/SECAM = 15.625 kHz /50Hz
- S.Video (Y/C)  
NTSC = 15.735 kHz/60 Hz  
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
- Computer (RGB HV, RGB/S et RGsB):  
PC, MACTM, WORKSTATION. Automatic Synchronization & Centering. Resolution from 640x480 to 1600x1200 (up to 130KHz)
- HDTV: Component (HD YUV 3 Level Sync.)  
1080i/60Hz, 720p/60Hz, 480p/60Hz

### AUDIO INPUTS:

- 8 x Stereo Inputs  
5 Balanced audio inputs  
3 Unbalanced audio inputs  
Vi = + 4 dBu max.  
Zi = 22 KΩ Unbalanced  
Zi = 44 KΩ Balanced  
Gain: adjustable

- 1 x Microphone input with 2:1 Compressor & Limiter 10:1, «Noise Gate» threshold adjustable, High and Low Pass Filters, Microphone input mixed with the 8 Audio inputs; adjustable level

### DISPLAY OUTPUT:

- 2 x Buffered Outputs
- RGB HV, RGB/S or RGsB selectable (H&V separated, Sync. Composite or SOG)
- RGB = 0.7V p/p (75Wload)
- Selectable output resolution: VGA, SVGA, XGA, SXGA, D-ILA, 16/9, Plasma 852x480, 1365x768, 720p, 480p

### AUDIO OUTPUT:

- Stereo output (Balanced & Unbalanced)
- Vo = + 4 dBu max.
- Zo = 300Ω Unbalanced
- Zo = 600Ω Balanced
- G = 0 dB nominal, with Master Volume

### USER'S CONTROLS:

#### FRONT PANEL:

- Selection of Inputs - 1 to 8
- Microphone (Sensibility)
- Effect Selection :  
TITLE, FADE & CUT

#### LOGO & FRAME STORE

- Up to SXGA, 16 Million colors
- Non-Volatile Memory

- Flash Capture of Video or Computer Sources (64M)
- 256 Steps keying threshold control
- Settable H&V Logo position
- 2 logos allocated by input

### LCD WINDOWS & CONTROL BUTTONS

- Test Patterns
- Proc. Image Adjustments
- Input format
- Output format
- Output format & sync.
- Audio input level and output volume
- Position & size (Auto Pixel Clock, Manual)
- Front panel control lockout

### CONNECTORS:

#### INPUTS :

- Inputs 1 to 3: on BNC & HD 15F
- Inputs 4 to 7: on HD 15F
- Input 8: on RCA, Mini DIN 4 or HD 15F
- Audio inputs 1 to 5: on 5-pin screw terminal
- Audio inputs 6 to 8: on 3.5 jack stereo
- Microphone: on 6.35 jack stereo (balanced)

#### OUTPUTS

- Display output: 2 x HD 15F connectors
- Audio output: 5-pin screw terminal (balanced)

#### OTHER

- RS 232 Serial com port for remote control and update
- Optional RJ45 for IP/Ethernet Control

### POWER SUPPLY:

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

### DIMENSIONS:

- 19", 1 U Compatible
- D300 x W482 x H44 mm (50 W) (UL, CSA, GS, CE)
- D11.8" x W19" x H1.74"

### WEIGHT: 3.5 Kg (7.7 Lbs)

### VOICE OVER SETTING (Optional)

- Threshold: variable -255 steps
- Depth: 8 steps (0dB to mute)
- Release Time: 0.5 sec. or 2 sec.
- Hold Time: 2 sec.

### SUPPLIED WITH:

- 1 x VGA M/M cable
- 1 x power cable
- 1 x S.Video Cable (4-pin mini DIN-2 BNC)
- 1 x HD15 to 5 BNC Cable
- 1 x set of 6 audio 5-pin screw terminal
- 1 x remote control software

### WARRANTY:

3 years warranty on parts and labor back to factory