

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

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

OCTO-FX™ Ref: OFX 802

> **8 Universal Inputs with Audio/Video & 1 Microphone**
NTSC / PAL / SECAM, S.Video, YUV, RGB, HDTV
Computer: up to UXGA

> **Outputs:**
2 x Scaled up to 1280 x 1024 (& D-ILA)

>> **FADING, TITLING & SEAMLESS SWITCHING**

>> **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*
- 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 2 Computers
- 8 Logos and 1 Full Frame stored in Non-Volatile Memory
- Flash Capture of Logo by Keying or Image Cut-Out
- Up to 2 Logos Allocated by Input
- Ultra Fast, Smooth and Seamless Switching Modes
- 1 Fully Featured Microphone Input
- Improved Active Motion Compensation, FRF, TBC, FFC
2:2 and 3:2 Pull Down Correction
- Test Patterns

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

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. The audio can either follow or break away from the video image. One additional microphone input is provided with "anti-pop" filter, Noise Gate and compressor function.

This ultra compact and user friendly device is especially dedicated to High Resolution A/V presentation displays, conference and boardrooms 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, MAC™, WORKSTATION. Automatic Synchronization & Centering. Resolution from 640x480 to 1600x1200 (up to 110KHz)
- **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 (75Ωload)
- 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 selection
- Output format display
- Output format & sync.
- Audio input level and output volume adjustments
- Position & size adjustments (Auto/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

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
- 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 VGA M/M Cable
- 1 power cable
- 1 set of 6 audio 5-pin screw terminal
- 1 remote control software RS 232

WARRANTY:

3 years warranty on parts and labor back to factory