

COMPUTER & VIDEO MIXER SCALER & AV SEAMLESS SWITCHER®

FOR FADING & TITLE EFFECTS - HIGH RESOLUTION A/V PRESENTATION - CONFERENCE & BOARD ROOMS -
CHURCHES - EVENTS - FULL SCREEN LCD / DLP / CRT PROJECTOR & PLASMA DISPLAY

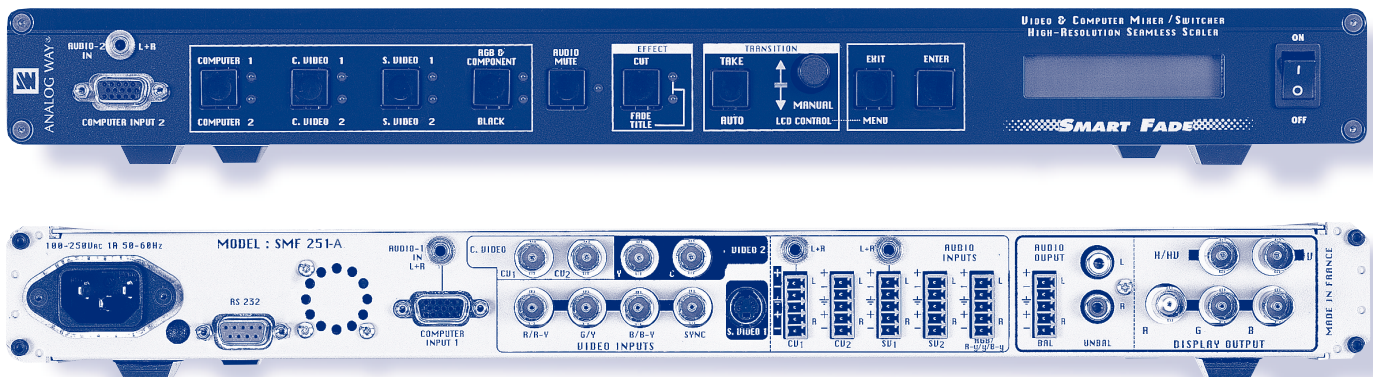
SMART FADE™ Ref. SMF251-A

7 A/V Inputs:

- > 5 Video Inputs (NTSC/PAL/SECAM):
2 Composite, 2 S.Video,
1 Component or RGB/S
- > 2 Computer Inputs

A/V Output:

- > Scaled from 640x480
up to 1280x1024



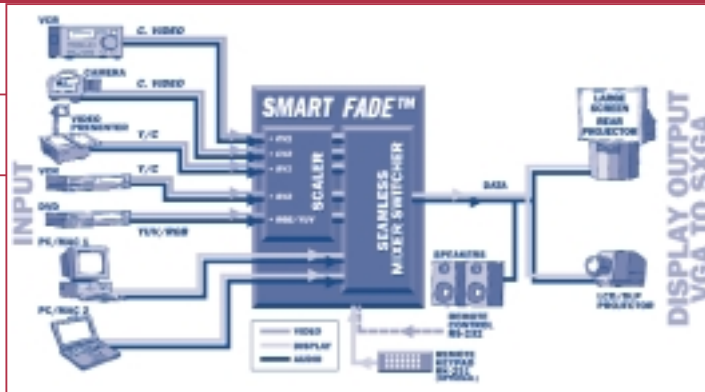
REFERENCE:

- SMF251-A

FEATURES:

- Fade & Dissolve / Black / Cut / Title Effect between Video (TV) & Computer from 640x480 to 1280x1024
- Automatic & manual fade controller
- RS232 Remote control software
- Stereo audio follow and breakaway switching for all Balanced / Unbalanced Stereo Audio inputs
- Time and Frame base corrector
- Enhanced Auto-Adaptive Motion Compensation
- 3/2 Pull Down Correction
- 4/3 & 16/9 Aspect Ratio
- Sharpness, Brightness, Contrast, Color, Hue (NTSC), Gamma adjustments
- Smart Switch Video and Audio (SMV415 & SMA415) compatible
- Remote Keypad : RK251 (optional)

Smart Fade



DESCRIPTION:

The **SMART FADE™** is a Video & Computer Mixer/Switcher with audio which integrates 3 functions for more convenient and enhanced A/V presentations:

• It is a **5 VIDEO** (2 x Composite, 2 x S.Video, 1 x Component or RGB/S) and **2 COMPUTER** (up to 1280 x 1024) inputs **SEAMLESS MIXER/SWITCHER**, with a built-in **SCALER**.

Each VIDEO source is scaled and genlocked to match the resolution of your COMPUTER from 640 X 480 up to 1280 x 1024.

The SMART FADE™ offers a Fade or a smooth or fast switching between:

- any VIDEO and 1 COMPUTER Source (in Seamless mode: Fade/ Cut / Title)
- VIDEO Sources (with a smooth or fast Cut to Black)
- COMPUTER Sources (with a smooth or fast Cut to Black)

All Video inputs are scaled to the selected Computer input. This allows a «One-Time» adjustment for your display resolution.

• The SMART FADE™ is also a state of the art improved **SCALER / LINE MULTIPLIER** which significantly increases the TV image's resolution and brightness. The High Quality decoder includes an Advanced Comb Filter, an emphasized "natural" color processing, a highly robust sync. detection and a new enhanced auto-adaptive de-interlacing scheme (for motion artifacts), with correction of the "film to video" transfer (3/2 pulldown for NTSC). It provides you with a «film like» image.

• Each of the 7 inputs is fitted with an **AUDIO STEREO line**. It allows the audio to follow your video image or to break away from your video. The level of any audio line is separately adjustable and a Master Control Volume is dedicated to trim the overall sound level.

TECHNICAL SPECIFICATIONS:

VIDEO INPUTS:

- 2 x Composite Video
SC \emptyset = 3.58 MHz / 4.43 MHz
PAL / SECAM = 15.625 kHz / 50 Hz
NTSC = 15.735 kHz / 60 Hz
- 2 x S.Video (Y/C)
SC \emptyset = 3.58 MHz / 4.43 MHz
PAL / SECAM = 15.625 kHz / 50 Hz
NTSC = 15.735 kHz / 60 Hz
- 1 x Component or RGB/S or RGB
15.625 kHz / 50 Hz - 625L...
15.735 kHz / 60 Hz - 525L
YUV (0.7 Vp/p)
RGB / Sync (TTL or 0.3V Analog)
RGBS (SOG: 0.3V Analog)

COMPUTER INPUTS:

- 2 x Graphic Computer (PC, MAC®, WORKSTATION)
Automatic recognition of synchronization (RGBHV, RGB/S)
- Resolution from 640 x 480 up to 1280 x 1024 in Seamless / Switcher Mode. Compatible from 640 x 480 up to 1600 x 1280 (31.5 kHz to 85 kHz) in Scaler mode.

AUDIO INPUTS:

7 X STEREO INPUT:

- Video = 5 Balanced
- Computer = 2 Unbalanced
- Vi = +4 dBm max.
- Zi = 22 k Ω unbalanced
- Zi = 44 k Ω balanced
- Gain = +6 / - ∞ dB adjustable

DISPLAY OUTPUT:

- RGBHV or RGBS selectable (H & V separated Sync. or Composite)
- RGB = 0.7Vp/p (75 Ω load)
- VIDEO:**
 - Output Resolution in Seamless/Switcher mode: from VGA to SXGA (31.5 kHz to 64 kHz)
 - Selectable output resolution in Scaler mode: from VGA to SXGA at 50 Hz / 60 Hz / 75 Hz
 - VGA 640 x 480
 - 42" PLASMA 852 x 480
 - SVGA 800 x 600
 - MAC 16" 832 x 624
 - XGA.2 1024 x 768
 - 50" PLASMA 1280 x 768
 - SXGA 1280 x 1024

COMPUTER:

- from VGA to UXGA (31.5 kHz to 85 kHz)

AUDIO OUTPUT:

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

USER'S CONTROLS:

FRONT PANEL:

- COMPUTER 1 & 2: Selection of the Computer Input
- C. VIDEO 1 & 2: Selection of the Composite Video Input

- S. VIDEO 1 & 2: Selection of the S. Video (Y/C) Input
- RGB / COMPONENT or BLACK: Selection of the RGB / Component or Black Input
- AUDIO MUTE: Switch off the Audio Output
- EFFECT: Button for Selection of the Cut or Fade or Title Insertion Effects
- TAKE: Button for Output Switching
- MANUAL FADE: Button for Manual fading

LCD WINDOWS & CONTROL BUTTON FOR:

- Sharpness, brightness, contrast, color, tint adjustments, Aspect-ratio, Gamma
- Input and Displayed output status
- Output format, Sync. adjustment
- Transition selection (Cut / Fade / Title, Black, fast or smooth switching)
- Audio Input level adjustments / Audio follow or breakaway selection
- Horizontal and vertical position and size adjustments
- Front panel control lock out

ON / OFF: AC MAIN SWITCH CONNECTORS:

INPUTS:

- C.Video 1: on BNC connector; Audio on 3.5 jack stereo and 5 pin MCO
- C.Video 2: on BNC connector; Audio on 5 pin screw terminal
- S.Video 1: Y/C on 4 pin Mini DIN ; Audio on 3.5 jack stereo and 5 pin screw terminal
- S.Video 2: Y/C on 2 BNC connectors; Audio on 5 pin MCO
- RGB/S & COMPONENT: Video on 3/4 BNC Connectors; Audio on 5 pin Screw terminal

- COMPUTER 1: Video on HD15F; Audio on 3.5 jack stereo
- COMPUTER 2: Video on HD15F; Audio on 3.5 jack stereo RS232: DB9 female

OUTPUTS:

- DISPLAY OUTPUT: on 4/5 BNC Connector
- AUDIO OUTPUT: 5 pin MCO (balanced) and 2 x RCA L+R (unbalanced)

POWER SUPPLY:

- Internal, Universal, Automatic 100 - 250 VAC; 50 / 60Hz (50W) (UL, CSA, GS, CE)

DIMENSIONS:

- 19", 1 Unit compatible
- D 300 x W 440 x H 44 mm
- D 11.8" x W 17.3" x H 1.74"

WEIGHT: 3.4 Kg / 7.48 Lbs

SUPPLIED WITH:

- 1 x VGA M/M cable
- 1 x S. Video (Y/C) Cable
- 1 x 5 BNC/HD15.F cable
- 1 x Set of MAC (RGB/S) / VGA Cable adapter
- 1 x AC Power cable
- Set of 6 Audio 5 pin MCO
- 1 x set of 19" brackets.
- 1 RS232 Remote Control Software

WARRANTY:

3 years warranty on Parts & Labor back to the factory

ACCESSORIES REFERENCES (optional):

- **RK251:** Remote Keypad for SMF251
- **SMV415:** Smart Switch Video
- **SMA415:** Smart Switch Audio
- **DGB2-230:** Dual Graphic Booster (230 VAC version)
- **DGB2-115:** Dual Graphic Booster (115 VAC version)

- **10023:** 5 BNC/HD 15 M cable (1.8m - 6ft)
- **10024:** 5 BNC/HD 15 M cable (3m - 10 ft)
- **10025:** 5 BNC/HD 15 F cable (1.8m - 6ft)
- **10026:** 5 BNC/HD 15 F cable (3m - 10ft)
- **10093:** S.VIDEO Cable (5m - 16ft)

- **10094:** S.VIDEO Cable (10m - 33ft)
- **10022:** HD 15 M/M Cable (6m - 20ft)
- **10076:** HD 15 M/M Cable (10m - 33ft)
- **10045:** Set of MAC HV / VGA Cable Adapter
- **10096:** 5 BNC / 5 BNC Cable (6m - 20ft)

- **10098:** 5 BNC / 5 BNC Cable (10m - 33ft)
- **10100:** 5 BNC / 5 BNC Cable (20m - 66ft)
- **10110:** DB9 (M/F) Remote Cable (3m-10ft)
- **12018:** Set of 6 Audio 5 pin screw terminal