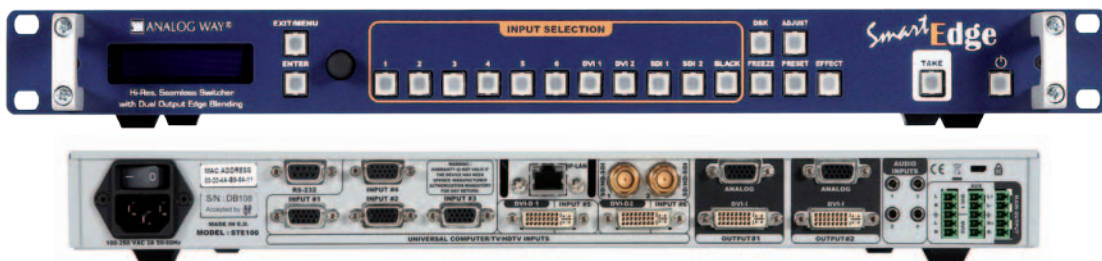


# Smart Edge



Ref. STE100

Hi-Resolution Mixer Seamless Switcher with Dual Output Edge Blending for Large Screen and Low Cost Installations

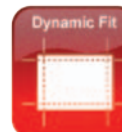


## Inputs



## Outputs

## Features



## STE100 at a glance

- > Hi-Resolution Seamless Switcher with Dual Output Edge Blending
- > Up to 3 x STE100 for Large Screen with 6 Video Projectors
- > 10 inputs including 2 SD/HD-SDI, or 3G-SDI
- > HDCP Compliant
- > Can be controlled by Front panel, Remote Control Software or 4 different remote consoles

## 10 Inputs

- 2 DVI Inputs
- 6 Universal Analog Inputs
- 2 SD/HD-SDI Inputs
- SDTV, EDTV, HDTV and Computer formats up to 2K
- Full digital In/Out Processing

## Outputs

- 2 Analog and Digital Outputs: Output #1 & Output #2
- Computer Formats up to 2K, or 3G-SDI
- RGBHV, DVI and HDTV

## Operation Modes & Effects

- 1 Operation Mode: Dual Output Edge Blending
- Live Background fully resizable
- Transitions: Fade (Dissolve), Cut, Clean Cut, Wipe, Slide
- Dynamic Fit: Automatic adjustment of the Layer to fit the image borders
- Smooth Move Effect
- Chroma/Luma Key/DSK Title
- Keying and Titling are available with an external Remote Control
- DSK on Analog or Digital inputs

## Reference & Options

- > STE100: Smart Edge
- > AW212080: Sync Cable for multiple machine mode

## To Control STE100

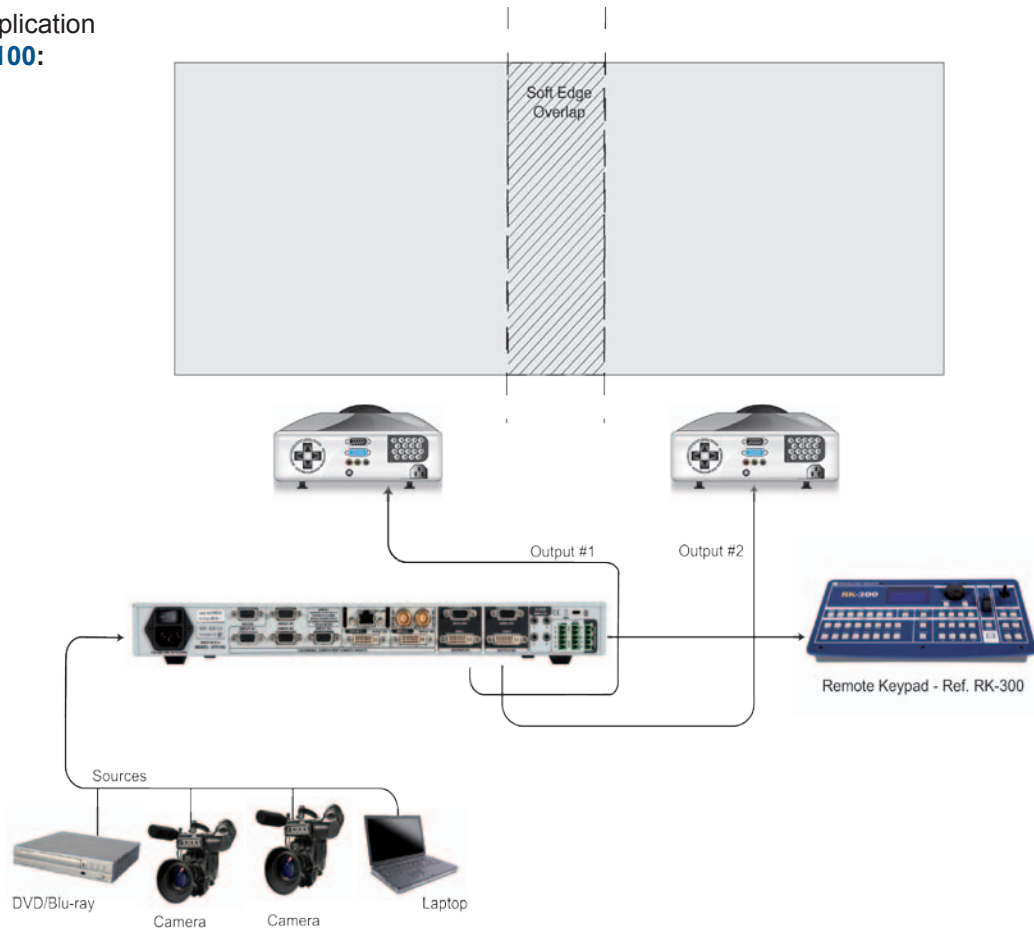
- > Remote Control Software (RCS): STE100 (Supplied)
- > ARC200: Axion2
- > ORC50: Orchestra
- > TRK-800: Triple Remote Keypad TRK-800
- > RK-300: Remote Keypad RK-300

RK-300 & TRK-800 can not be used in multiple machine mode.



ANALOG WAY®

Example of application  
with **STE100**:



## Technical Specifications

### 6 Universal Inputs - Analog Inputs (#1 to #6) Audio Stereo In/Out

#### SD-TV:

- Composite, S.Video, YUV, RGsB or RGBS
- NTSC: 15.735kHz/60Hz
- PAL/SECAM : 15.625kHz/50Hz

#### ED/HD-TV:

- RGsB, RGBS or YUV
- 480p/60 Hz – 576p/50 Hz - 720p, 1080i, 1035i/50 or 60Hz – 1080p/24, 25, 30, 50 or 60 Hz – 1080psF /24, 25 or 30 Hz Computer
- RGBHV, RGBS or RGsB
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
- Horizontal frequency from 31.5 to 130 kHz
- Vertical frequency up to 130 Hz
- FpxMax = 165MHz

### 4 Digital Inputs (DVI-I 1, DVI-I 2, SDI1 and SDI2)

- DVI-I: SD-TV, ED-TV, HD-TV and Computer formats
- SDI: SD-TV & HD-TV – YUV/10bits/4:2:2, or 3G-SDI
- Automatic synchronization detection

### Outputs #1 to #2

#### Computer Digital and Analog:

- RGBHV, RGBS or RGsB and DVI
- Resolution up to 1600x1200/60 Hz, 1920x1200/60 Hz or 2048x1080/60 Hz
- Vertical frequency 50, 60, 72 or 75 Hz depending on Output format
- FpxMax = 165MHz

#### HD-TV:

- RGsB, RGBS or YUV, DVI
- 720p, 1080i, 1035i/50 or 60Hz - 1080p/24, 25, 30, 50 or 60Hz - 1080psF/24, 25 or 30Hz

### Operation Standards

SMPTE 259M, SMPTE 274M, SMPTE 292M, SMPTE 296M and SMPTE 424M

#### Input:

- 6 Audio stereo inputs + 1 Auxiliary + 2 Embedded SDI
- AUX and input #7 Balanced
- Vi = +15dB
- Zi = 20 kOhms (Unbalanced)/40 kOhms (Balanced)
- Adjustable Level per input

#### Output:

- 1 output
- Balanced/Unbalanced
- Vo = +15 dBu/300 Ohms (Unbalanced)
- Vo = +21 dBu/600 Ohms (Balanced)

### User Controls - Front Panel

- Standby On/Off
- Input, Layer and Logo direct access
- Freeze/Black
- Effect and preset selection
- Large Graphic VFD screen with control knobs and buttons for easy and fast access to menus and adjustments

### Connectors - Rear Panel

- Input #1 to #4 Connectors:
  - HD15-F: (Analog SD/ED/HD-TV and Computer)
- Input #5 to #6 and DVI-I 1 to DVI-I 2 Connectors:
  - DVI-I Female: (Analog SD/ED/HD-TV and Computer)
- Input SD/HD-SDI
  - SDI 1 & SDI 2: BNC-F
- Audio:
  - 3.5mm Stereo jack: inputs #1 to #4
  - 5 pin MCO connectors: 2 for Inputs and 1 for Output
  - DB9: Dual RS232 for remote control
- RJ45: Ethernet connection
- AC main connector with On/Off switch

### Connectors - Outputs #1 to #2

- Each output is fitted with:
- DVI-I Female: (Digital and Analog) RGB or YUV
  - HD15 Female: RGB or YUV

### Dimensions

- 1U, 19"
- D 13.8" x W 19" x H 1.74"
- D 330 mm x W 480 mm x H 44 mm

### Weight:

- 4,5kg/11lbs

### Power Supply

- Internal, universal, automatic, 100-250V; 50/60 Hz; 140 W (UL, CSA, GS, CE)

### Supplied with

- 1 x Power supply cord
- 2 x DVI-I male to HD15 Female and DVI-D Female Break out cable
- 1 x HD15 to 5 BNC cable
- 1 x Ethernet cross cable (for update)
- 1 x Remote Control Software (RCS) (PC only)\*
- 1 x User Manual\*
- 1 x Set of 3 audio 5-pin screw terminals
- 1 x Quick Start Guide\*

### Warranty

3-year warranty on parts and labor back to factory

Specifications subject to change without prior notice



\* All RCS, User Manuals and Quick Start Guides are available on [www.analogway.com](http://www.analogway.com)