

# 16 INPUTS COMPUTER & VIDEO MIXER AND SEAMLESS SWITCHER

FOR LIVE STAGING EVENTS - CONFERENCES - EXHIBITIONS - RENTALS - HIGH RESOLUTION PRESENTATIONS

**GRAPHIC SWITCHER II™** Ref. GSW2811

## Graphic Switcher II

### GRAPHIC EVOLUTION

Ref: GSE 2811 - D1

- Computer & Video Mixer and Seamless Switcher (Built-in Scaler).
- Similar to Graphic Switcher II for Installation Market.
- Only Remotable (no switch on the front panel).
- Only Compatible with Show Manager and Remote Control Units.

- 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)

## 16 Computer / Video Inputs:

> 8 Universal RGB up to 1600x1280 (130 kHz)

Computer, Video, HDTV,

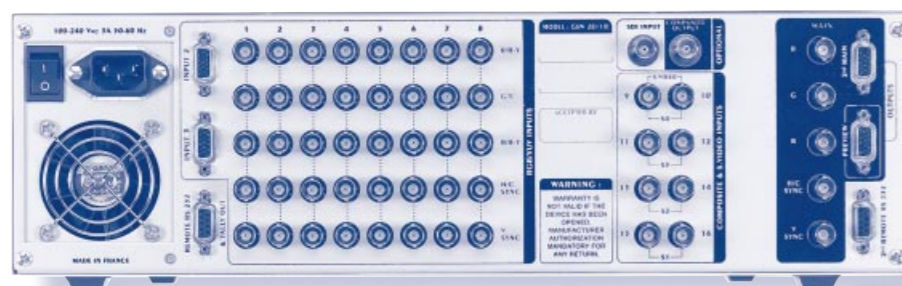
YUV, Component (15 kHz)

> 8 Composite or 4 S.Video + 1 SDI (optional)

Scaled Outputs: 1 main + 1 preview

SXGA, XGA, SVGA, VGA, HDTV, D.ILA

> Optional TV Recording output



### REFERENCES:

- GSW2811
- GSW2811-D1: Graphic Switcher II with 10 bits-SDi input
- \* OPT-GSW2-V0: TV/Video output

### FEATURES:

- EFFECTS: PIP, COMPUTER & VIDEO WIPES, FADING, TITLE INSERT, MIXING, CUT
- PROGRAM & PREVIEW Bus
  - Input Routing and Effect Selections
  - 4 Assignable "TALLY" outputs

- Frame Follow Mode
- RS232 control software
- Whole SEQUENCE effects storage
- Upgradable software by RS232
- Available 1 to 16 Multi-screen driver software
- Available with no switch on the front panel (for installation Market). Ref. GSE2811R-D

### REFERENCE:

- RCU2811 (console)

### FEATURES:

- 3 simultaneous effects & Graphics
- T-bar control
- Easy Control of every functions
- Rackable

### DESCRIPTION:

The seamless GRAPHIC SWITCHER II™ inserts (PIP), cuts, fades, wipes and instantaneously mixes (no glitch) between 16 high-resolution and TV/Video sources which can range (Auto Sync & Auto Scan) from 15 kHz to 130 kHz (up to 1600x1280) with no synchronization "dropouts". The GRAPHIC SWITCHER II™ Up or Down scales each input to one user-programmable output format, matching the native resolution of any projector (LCD, DLP or CRT), plasma display, video wall or multisync. monitor. All input and output parameters and formats can be stored and saved as NON-volatile memory. In addition, several sequences with users' effects can be run automatically. An RS232 Remote control input is provided.

The GRAPHIC SWITCHER II™'s outputs are:

- 1 MAIN output (PROGRAM) (BNC + HD15)
- 1 PREVIEW output (PRESET) for visualization and adjustment before the switch
- 4 TALLY outputs (that can be selected from any of the 16 inputs to indicate who is "ON AIR")
- TV Video Output (option)

The output format can be selected in HDTV, D-ILA, SXGA, XGA.2, SVGA or VGA and remains constant no matter which input is selected. This allows a "one time" adjustment for your display device.

The Graphic switcher II™ comes with a "natural color" Comb Filtering decoder with a robust sync. detection, an enhanced 3D Auto Adaptive Motion Compensation video scaling process and a 3/2 pull down Film to Video correction (NTSC). This device takes the term "user friendly" to a new level. PIP (Picture In Picture), Seamless fading and effects combined with direct access auto-recognition inputs, makes live High End presentations better and easier than before. It can be easily Upgraded by Software for new features.

For MULTI-SCREEN applications, 2 or 3 GRAPHIC SWITCHER II™'s can be "Stacked" together and controlled by only one Remote Control Unit (Ref. RCU2811). Also available is an optional "Show Manager" software to control 1 to 16 Devices with fully automated different Sequences & Input Selection.

### TECHNICAL SPECIFICATIONS:

#### INPUT:

- RGB: HDTV & Computer Graphics: VGA, VESA.X, SVGA, XGA.2, SXGA, UXGA, 8514/A, 480p, 720p, 1080p, 1080i
- MAC®, SUN®, SILICON GRAPHICS®, INTERGRAPH®, HP®, POWER MAC®, G3®, G4®, POWER PC®
- YUV = COMPONENT at 15 kHz
- COMPOSITE & S.VIDEO: NTSC, PAL, SECAM, BLACK & WHITE
- OPTION: SDI - 4:2:2 (true 10 bits)
- Automatic recognition of all synchronization (RGB, RGBS, RGBHV)
- Resolution: up to 1600 x 1280
- Horizontal Frequency: 15 kHz to 130 kHz
- Vertical Frequency: up to 130 Hz

#### OUTPUT:

- 1 Main (PROGRAM) on BNC and HD15
- + 1 Preview (PRESET) Outputs

#### Selectable in:

- HDTV : 480p, 720p, 1080p
  - D-ILA : 1365 x 1024
  - SXGA: 1280 x 1024 (64 kHz / 60 Hz)
  - XGA.2: 1024 x 768 (48.3 kHz / 60 Hz)
  - SVGA: 800 x 600 (37.8 kHz / 60 Hz)
  - VGA: 640 x 480 (31.5 kHz / 60 Hz)
- with selectable RGB, RGBS or RGBHV selectable

#### OPTIONAL TV/VIDEO output (15 kHz)

- COMPONENT, Composite, S.Video (Y/C) Simultaneous : call us

#### USER'S CONTROLS

##### FRONT PANEL:

- INPUT SELECT: Main / Preview. Input selection and Black Control Keys
- TAKE: Control Key for Switching between PROGRAM / PREVIEW
- EFFECTS: 4 Control Keys for selection of the Switching Effects: PIP, SEAMLESS SWITCH, FADE, WIPES, TITLE EFFECTS
- FRAME FREEZE: Push Buttons for both Main and Preview

- STEP: Control Key for a pre-programmed step sequence switching
- ADJUST: Image adjustments of each Input:
  - Horizontal and Vertical, position and size adjustments
  - Recall of previous image settings
  - Store function for memorization of format and image settings

#### LCD WINDOW & CONTROL BUTTONS:

- Input Format Status
- Output Format & Sync.Selection
- Switching Effect Selection
- Contrast, Black Level, RGB, Color, Hue, Brightness, Gamma, Sharpness adjustments
- Test Pattern Output
- H & V Smoothing Filters
- Front Panel & Control Key Locks

#### CONNECTORS:

- INPUT on BNC CONNECTORS & HD15
- OUTPUT MAIN: 5 BNC CONNECTORS + 15 Pin HD Female (PROGRAM)
- OUTPUT PREVIEW: 15 Pin HD Female (PRESET)
- RS232 & TALLY: DB 9 Female

#### DIMENSIONS:

- 3U, 19"
- D 370 x W480 x H 133 mm
- D 14.5" x W 19" x H 5.25"

WEIGHT: 9 kg / 19 Lbs (without option)

#### POWER SUPPLY:

- Internal, Universal, Automatic 100 - 240 V; 50 / 60 Hz; 130 W (UL, CSA, TUV, CE)

SUPPLIED WITH: 1xAC Power Cable

#### WARRANTY:

3 years warranty on Parts & Labor, back to the factory

### ACCESSORIES REFERENCES (optional):

- RCU2811: Remote Control Unit to control up to 3 units
- SI 300-230: Universal Sync. Interface (230 VAC)
- SI 300-115: Universal Sync. Interface (115 VAC)
- 10076: HD 15 M / M cable (10m - 33ft)
- 10084: HD15 M/M cable (20m - 66ft)
- 10024: HD 15 M / 5 BNC cable (3m - 10ft)
- 10035: SUN (13W3) M / 5 BNC cable (3m - 10ft)
- 10100: 5 BNC / 5 BNC cable (20m - 66ft)
- 10039: 5 BNC / 5 BNC cable (3m - 10ft)
- 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)

• Additional cable available, please see the cables section.