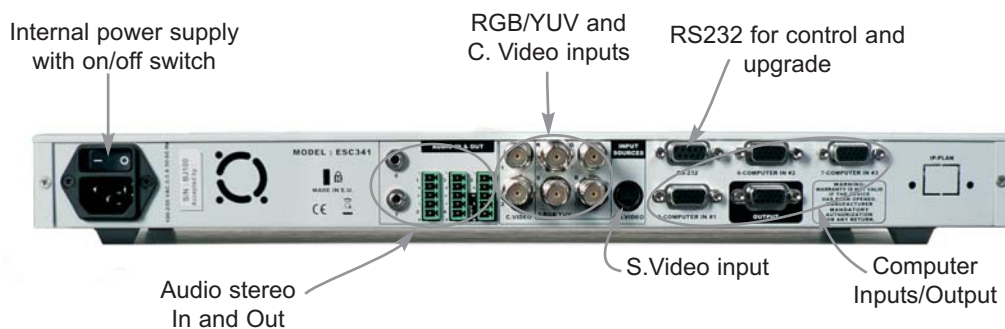
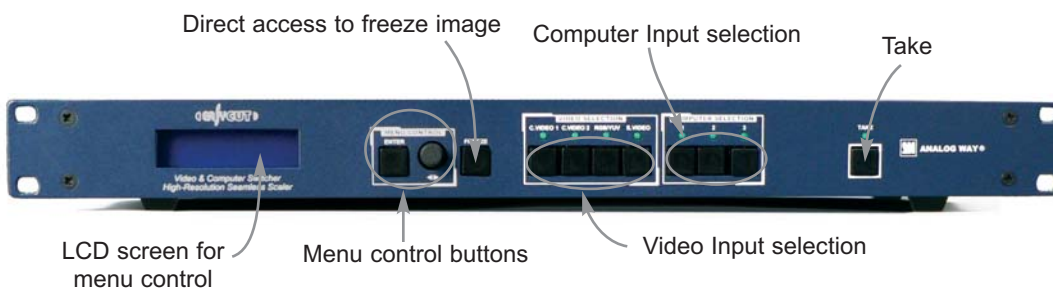


# Easy Cut™

## Easy Cut

Model ESC341

- > High Resolution Video Seamless Switcher/Scaler with Audio
- > Cut and Smooth Switching
- > User-Friendly/Direct Access to Main Functionalities
- > Computer Output format up to 1600 x 1200



### FEATURES

- Inputs: YUV, Composite, S.Video, RGB, Computer
- RGB output up to UXGA
- Aspect Ratio preserved
- Frame Rate Converter and Follower & ARC
- Auto 3:2/2:2 Pull Down
- Audio stereo Switcher
- RS232 Com Port
- Remote control software
- Freeze button
- Frame alert memory
- Optional TCP/IP control
- 19" rack case



ANALOG WAY®

[www.analogway.com](http://www.analogway.com)

P/N: ESC341-B0207-VA

# Switchers / Scalers

## TECHNICAL SPECIFICATIONS

### VIDEO INPUTS:

- **2 x Composite Video**  
PAL/SECAM = 15.625 kHz / 50Hz  
NTSC = 15.735 kHz / 60 Hz  
Black and White : 15 kHz/50-60Hz
- **1 x S.Video (Y/C)**  
PAL/SECAM = 15.625 kHz / 50 Hz  
NTSC = 15.735 kHz / 60 Hz
- **1 x Component or RGB/S or RGsB**  
15.625 kHz/50Hz - 625L  
15.735 kHz/60Hz - 525L  
RGB/YUV (0.7 Vp/p)  
Sync (TTL or 0.3V Analog)  
RGsB (SOG: 0.3V Analog)
- **Audio Stereo Input**

### COMPUTER INPUTS (Active Loophrough)

- **3 x Computer** (PC, Mac) RGBHV, RGB/S
- Resolution from 640 x 480 up to 1600 x 1200

### DISPLAY OUTPUT:

- **For Video Input:**
  - RGBHV, RGsB or RGBsB selectable (buffered H & V separate Sync. or Composite sync.)
  - RGB = 0.7 Vp/p (75 Ohms load)
  - Selectable output resolution:
    - 4/3: SVGA: 800x600  
XGA: 1024x768  
SXGA: 1280x1024  
SXGA+: 1400x1050  
UXGA: 1600x1200
    - 16/9: WVGA: 852x480  
720p: 1280x720  
WXGA: 1366x768 (D-ILA)
- **For Computer input:** from VGA to UXGA (24 kHz to 85 kHz), RGB HV/S identical to the input (buffered loophole)
- **Audio stereo output**

### USER CONTROLS AND CONNECTORS:

#### FRONT PANEL

- **Input Selection** from Input 1 to 7
- **Freeze:** Freeze button
- **Take**
- **LCD Window & control buttons for:**
  - Sharpness, brightness, contrast, color, hue,
  - Overscan/underscan
  - Aspect Ratio (Source & Screen)
  - Output format & Sync.
  - Horizontal and vertical position and size adjustments
  - Front panel control locking

#### REAR PANEL

- **Input Connectors:**
  - Composite 1: BNC connector
  - Composite 2: BNC connector
  - S.Video: Y/C Mini DIN connector
  - RGB/S & Component: 3/4 BNC connectors
  - Computer: HD15F connector
  - Audio: MCO 5 pin connector and 3.5mm Jack Stereo
- **Output Connectors:**
  - RGB on HD15
  - Audio: MCO 5 pin connector
- **Others:**
  - DB9-F: Dual RS232 COM Port for full control of the device and for control of distant display
  - RJ45: Optional Ethernet Control
  - IEC for mains + On/Off switch

### POWER SUPPLY:

- Internal, Universal, and Automatic
- 100 - 250 VAC; 50 / 60Hz (20W)
- (UL, CSA, CE)

**DIMENSIONS:** 19", 1 unit compatible  
D 10.43" x W 19" x H 1.74"  
D 265 mm x W 482 mm x H 44 mm

**WEIGHT:** 3 kg / 6.6 lbs

### SUPPLIED WITH:

- 1 x HD 15 M/M cable
- 1 x S. Video (Y/C) cable
- 1 x AC power cable
- 3 x MCO connectors
- 1 x Remote control software (CD)
- 1 x User manual

**WARRANTY:** 3 year warranty on parts & labor, back to the factory

Specifications subject to change without notice

**Easy Cut™** by **Analog Way** combines the functions of a **High Resolution Video Scaler** with an **Audio Video Switcher**. It is a state of the art **Scaler / Line Multiplier / Quadrupler / Doubler** which significantly increases Video image resolution and brightness. 3 Computer inputs are provided for direct display of your presentations or Internet applications. It also allows Audio Stereo switching.

**Easy Cut** is fitted with 4 Video Inputs including one RGB or YUV component on BNC. **Easy Cut** outputs an Analog RGB HV Computer format on an HD15 connector.

**Easy Cut** includes 2 switching modes: seamless or smooth switching. In seamless mode, the computer output format is identical to one of the 3 Computer inputs, the one selected as the reference. It is possible to switch with a seamless cut between this PC and any Video source.

**Easy Cut** features a non-volatile frame memory that can be used as a "welcome" or an "alert" message. This frame can be acquired from any Video input or it can be downloaded from a computer via RS232 or optional IP connection.

The very high quality decoder of the **Easy Cut** includes an advanced comb filter, an emphasized "natural" color processing, a highly robust sync. detection and a new enhanced 3D (pixel by pixel basis) auto-adaptive de-interlacing scheme (for motion artifacts). With automatic correction of the "film to video" transfer (3/2 & 2/2 pull down), it provides a "cinema like" image.

Image parameters such as brightness, contrast, color, aspect ratio and sharpness can be easily adjusted by the user. These parameters are stored for each Video input. A preset command enables to go back to factory settings. **Easy Cut** also features an automatic or manual stand-by mode, activated on the front panel or with the RS232 control. A second Com Port is available to automatically Start/Stop a distant display device according to the stand by status of the **Easy Cut**.

Black and white composite is also accepted (for industrial, security, camera applications, etc...) on **Easy Cut**. The input source aspect ratio 4/3, 16/9, widescreen can be selected as well as the size of the screen (4/3 - 16/9). The frame conversion & time base correction make it a great solution for High End Pro AV and Home Theater applications.

### REFERENCE

ESC341: Easy Cut™

### OPTION

OPT-LAN: IP/Ethernet Control

### Cables for the Easy Cut

- **S.Video Cables** from 1.8m / 6ft to 20m / 66 ft - Refs 10009 - 10093 - 10094 - 10095
- **VGA Cables** of 0.4m / 1ft and 1.8m / 6ft (M/F and M/M) - Refs 10014 - 10015 - 10077
- **VGA/BNC Adaptor** of 1.8m / 6ft and 3m / 10ft (M/M and F/M) - Refs 10023 - 10024 - 10025 - 10026
- **Remote Cables** from 0.5m / 1ft to 30m / 100ft - Refs 10109 - 10110 - 10111 - 10112 - 10113 - 10114
- **Jack Stereo Cable** of 1.2m / 4ft - Refs 10012 - 10013

## ANALOG WAY

USA and Canada  
ANALOG WAY Inc  
Tel.: 212 269 1902  
Fax.: 212 269 1943  
email: salesusa@analogway.com

Europe, Africa, South America and Middle-East  
ANALOG WAY FRANCE  
Tel.: 331 64 47 16 03  
Fax.: 331 64 47 14 73  
email: saleseuro@analogway.com

Asia and Asia Pacific  
ANALOG WAY Pte Ltd  
Tel.: 65 62 92 58 00  
Fax.: 65 62 92 52 05  
email: salesasia@analogway.com