2-in 1-out RGBS Auto Switcher　　DA1914SX

KEY FEATURES

- 350 MHz Bandwidth

- Auto-Switching on Sync Detection

- Sync on Green Auto-Switching
  (Also used for C-Video Auto-Switching)

- Manual Switching Override via Contact Closure

- Fully Buffered Output

- Ultra Compact Design

- Solid Metal Enclosure

- Optional Mounting Hardware

- External Power Supply (9V 500mA)

DESCRIPTION

The DA1914SX is a 2-in 1-out RGBS Auto Switcher with manual remote capability via contact closure. Utilizing 4 Female BNC connectors for each input and output, the DA1914SX can pass RGBS, RGsB, and Composite Video signals. The DA1914SX has a fully buffered output.
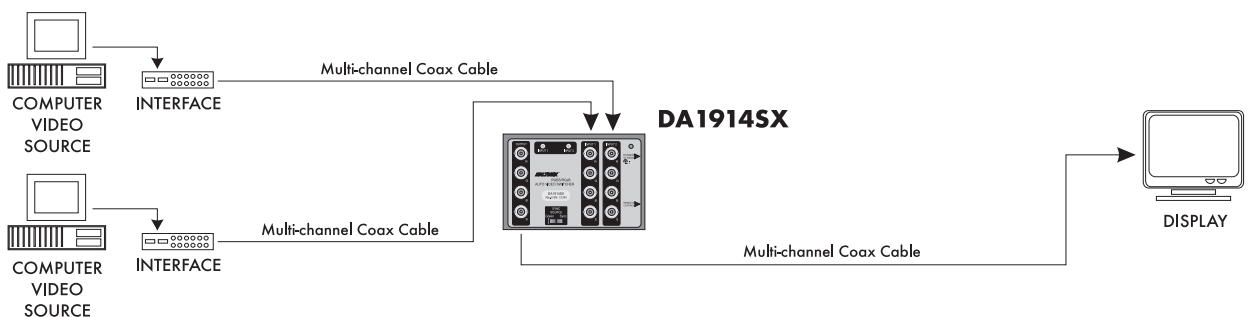
The DA1914SX offers a Sync Source switch, enabling it to auto-switch RGBS format signals when placed in the "Sync" position, and to auto-switch RGsB and Composite Video signals when placed in the "Green" position. Composite Video signals must be passed through the Green channel if auto-switching is necessary. When two active sources are present, the DA1914SX will select the default input, Input 2.
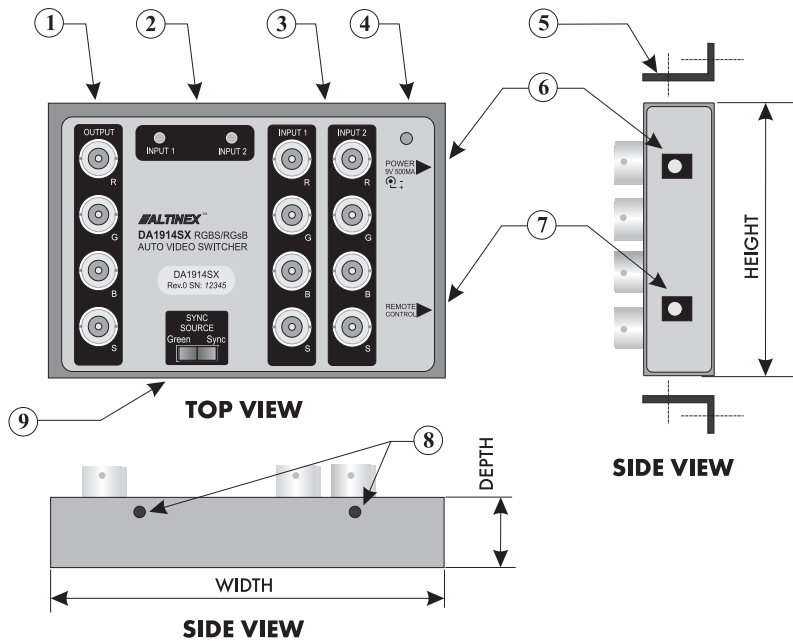
The DA1914SX can be controlled manually by connecting a latching contact closure control to its 2.5 mm mini-coaxial remote control jack. The DA1914SX comes with small switch with a 6 foot cable (part# RC5203CC) that performs this function, or the contact closure may be made from a control system. The contact closure acts as a "push", switching back and forth between two active sources or switching between "on" and "off" if a single active source is on Input 1. If a single active source is on Input 2 (the default), the manual control will <u>not</u> push to Input 1.

In auto-switch mode, the DA1914SX is perfect for applications in which a user plugs into one of two input plates at different locations in a room. In manual mode, the DA1914SX is great as an on/off switch or for simply switching between two active computers.

The DA1914SX may be mounted to furniture or other suitable surfaces using optional hardware.

APPLICATION DIAGRAM

TOP VIEW

SIDE VIEW

SIDE VIEW

1   RGBS Output
2   Input Selection Indicators
3   RGBS Inputs 1 & 2
4   Power Indicator
5   DA1295SX Mounting Brackets
    (Available optionally)
6   Power Input Connector
    (2.5 mm DC power jack)
7   Remote Control Jack
    (2.5 mm jack)
8   Mounting Holes
    (2 on each side)
9   Auto-switch Sync Select
    (C-Sync/Sync on Green)

SPECIFICATIONS

GENERAL

Inputs: .... (2) 4-BNC Female

Output: .... 4-BNC Female

Compatibility: .... RGBS, RGsB, Component Video
(Y, R-Y, B-Y), S-Video (Y/C), and
Composite Video. Video must be
passed through Red, Green, and/or
Blue channels; Sync channel is not
designed to pass Video.

Note: To auto-switch RGsB or C-
Video signals, the Sync Source switch
must be set to "Green." C-Video must
be passed through the
Green channel.

MECHANICAL

Height .... 3.50 in .... 89 mm
Width .... 4.62 in .... 117 mm
Depth .... 1.00 in .... 25 mm
Weight .... 0.4 lb .... 0.18 kg
Ship Weight .... 2.0 lb .... 0.91 kg
Material .... 0.1" Al
Finish .... Gray
Top panel .... Lexan
T° Operating .... 10°C-35°C
T° Maximum .... 50°C
Humidity .... 90% non-condensing
MTBF (calcl.) .... 40,000 hrs (min.)

ELECTRICAL

Input Video Signal:
  Analog .... -1.5V to +1.5V (1.5V p-p max.)
  Impedance .... 75 Ohm
Input Sync Signal:
  Composite Sync .... TTL (+/-)
  Sync on Green .... -0.3V
  Impedance .... 10 kOhm
Output Video Signal:
  Analog .... -1.5V to +1.5V (1.5V p-p max.)
  Fall/Rise Time .... 2.0 ns
  Impedance .... 75 Ohm
Output Sync Signal:
  Composite Sync .... TTL (+/-)
  Sync on Green .... -0.3V
  Impedance .... 22 Ohm
Frequency Compatiblity:
  Horizontal .... 15-200 kHz
  Vertical .... 30-190 Hz
  Typical Video Bandwidth .... 350 MHz @ -3dB

Cross-talk .... -40dB @ 10 MHz
                              (between adjacent channels)
Coupling .... DC
Power .... 9V 500mA external adapter (incl.)
Power Consumption .... 3 watts Max.

OPTIONAL ACCESSORIES

DA1295SX: Mini mounting brackets (2 - "L" shaped brackets)
RC5203CC: Contact Closure Switch w/6 foot cable