



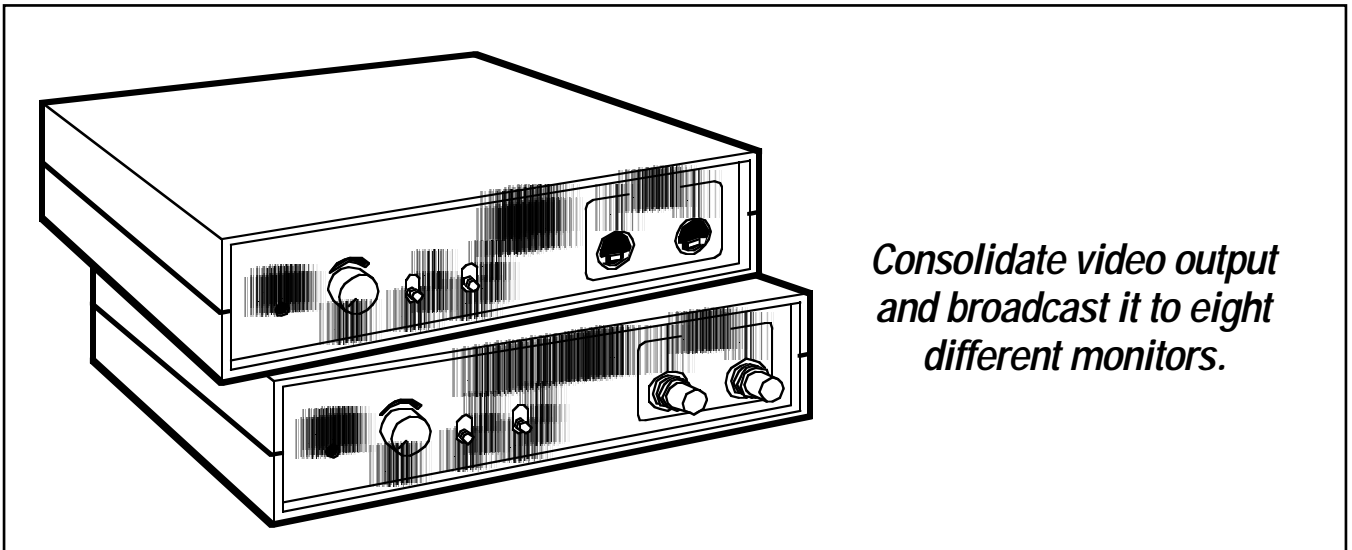
BLACK BOX[®]

NETWORK SERVICES

© 2003. All rights reserved.
Black Box Corporation.

Black Box Network Services • 464 Basingstoke Road • Reading, Berkshire, RG2 0BG • Tech Support: 0118 965 6000 • www.blackbox.co.uk • e-mail: techhelp@blackbox.co.uk

8-TO-1 VIDEO SWITCHES AND 1-TO-8 VIDEO SPLITTERS



*Consolidate video output
and broadcast it to eight
different monitors.*

Key Features

- ▶ **Models with 4-pin mini DIN or BNC connectors.**
- ▶ **Switches include free remote-control unit.**
- ▶ **Full 30-MHz bandwidth.**
- ▶ **Splitters have fixed, manual, and automatic gain controls.**
- ▶ **Plug-and-play installation.**

Team these switches and splitters together and you can consolidate video output and broadcast it to eight different monitors, TVs, or projectors.

Use the 8-to-1 S-Video Switch (AC041A) and the 8-to-1 Composite Switch (AC042A) to bring images from up to eight video sources (VCR, DVD player, satellite receiver, etc.) together in one location. Then use a splitter to “split” the video output to eight different devices.

The 8-to-1 S-Video Switch and 1-to-8 S-Video Splitter (AC043A-R2) support devices that use 4-pin mini DIN connectors. The 8-to-1 Composite Switch and 1-to-8 Composite Splitter (AC044A-R2) do exactly the same thing for devices that use BNC connectors.

The switches can be remotely switched from up to 1000 feet (304.8 m) away, with the hard-

wired remote-control unit we've included in the package. The switches feature full 30-MHz bandwidth for optimum signal integrity.

The splitters also give you full 30-MHz bandwidth—plus fixed, manual, and automatic gain controls that make it easy to

compensate for various cable lengths and signal matching. The units feature DC restoration, so you get the appropriate black level, too.

Easy to install, each switch and splitter features two connectors on the front for fast temporary hookups.

Typical Applications

- Use an 8-to-1 S-Video Switch to consolidate S-VHS and ED-BETA images on one monitor.
- Broadcast that same consolidated image to eight monitors with the 1-to-8 S-Video Splitter.

Technically Speaking

- S-Video was devised by TV engineers years ago. It's a relatively inexpensive and very effective way to reduce distortions that occur in TV/monitor and VCR processing. Compared to composite video, the results are dramatic. S-Video gives you more detail and less color distortion. Maximum resolution is 525 lines.
- The 8-to-1 Video Switches include vertical interval switching controlled by a wired, electronic remote control that selects from up to eight inputs (two on the front panel and six on the rear panel). The devices also feature unity gain and a single-digit LED that indicates the selected channel.
- Connecting the remote-control unit included with each 8-to-1 Video Switch is easy. The unit includes a 25-foot (7.6-m) remote-control cable with modular (RJ-11) plugs.

What the Packages Include

8-to-1 Video Switches

- (1) 8-to-1 S-Video Switch or 8-to-1 Composite Switch
- (1) Remote-control unit
- (1) 25-foot (7.6-m) remote-control cable with modular plugs
- (1) 9-VDC, 500-mA plug-mounted transformer
- (1) User's manual

1-to-8 Video Splitters

- (1) 1-to-8 S-Video Splitter or (1) 1-to-8 Composite Splitter
- (1) 9-VDC, 1A plug-mounted transformer
- (1) User's manual

Why Buy From Black Box? Exceptional Value. Exceptional Tech Support. Period.

Recognise any of these situations?

- You wait more than 30 minutes to get through to a vendor's tech support.
- The so-called "tech" can't help you or gives you the wrong answer.
- You don't have a purchase order number and the tech refuses to help you.

According to a survey by Data Communications magazine, 90% of network managers surveyed say that getting the technical support they need is extremely important when choosing a vendor. But even though network managers pay anywhere from 10 to 20% of their overall purchase price for a basic service and

support contract, the technical support and service they receive falls short of their expectations—and certainly isn't worth what they paid.

At Black Box, we guarantee the best value and the best support. You can even consult our Technical Support Experts before you buy if you need help selecting

just the right component for your application.

Don't waste time and money—call Black Box today.

Specifications

AC041A and AC042A

Bandwidth: 30 MHz

Connectors: (8 input and 1 output),
AC041A: (9) 4-pin mini-DIN F;
AC042A: (9) BNC F

Indicators: (1) numerical LED

Power: 9 VDC, 500 mA

Size: 1.7"H x 7"W x 6.5"D
(4.3 x 17.8 x 16.5 cm)

Weight: 3 lb. (1.4 kg)

AC043A-R2 and AC044A-R2

Bandwidth: 30 MHz

Input Impedance: 75 ohms Y, C

Output Impedance:

AC043A-R2: 75 ohms Y, C;
AC044A-R2: 75 ohms

Propagation Delay: <10 ns

Rise/Fall Times: <10 ns

Connectors: (1 input and 8 output),
AC043A-R2: (9) 4-pin mini-DIN F;
AC044A-R2: (9) BNC F

Power: 9 VDC, 1A, 105–130-VAC
or 220-VAC plug-mounted
transformer

Size:

AC043A-R2: 1.6"H x 7"W x 5.5"D
(4.1 x 17.8 x 14 cm);

AC044A-R2: 1.6"H x 7"W x 6.5"D
(4.1 x 17.8 x 16.5 cm)

Weight: 1 lb. (0.5 kg)

Ordering Information

ITEM	CODE
8-to-1 Video Switches	
S-Video	AC041A
Composite	AC042A
1-to-8 Video Splitters	
S-Video	AC043A-R2
Composite	AC044A-R2
<i>You may also need...</i>	
RCA Female/BNC Male Video Adapter	FA870
<i>For optimum performance, order...</i>	
S-Video Cable.....	EHN058
Coax Cable, RG-59 PVC (CL2)	ETN59-BNC
Deluxe Video Cable, (1) RCA Connector	EJ513