

CAT5 VGA Video Splitters

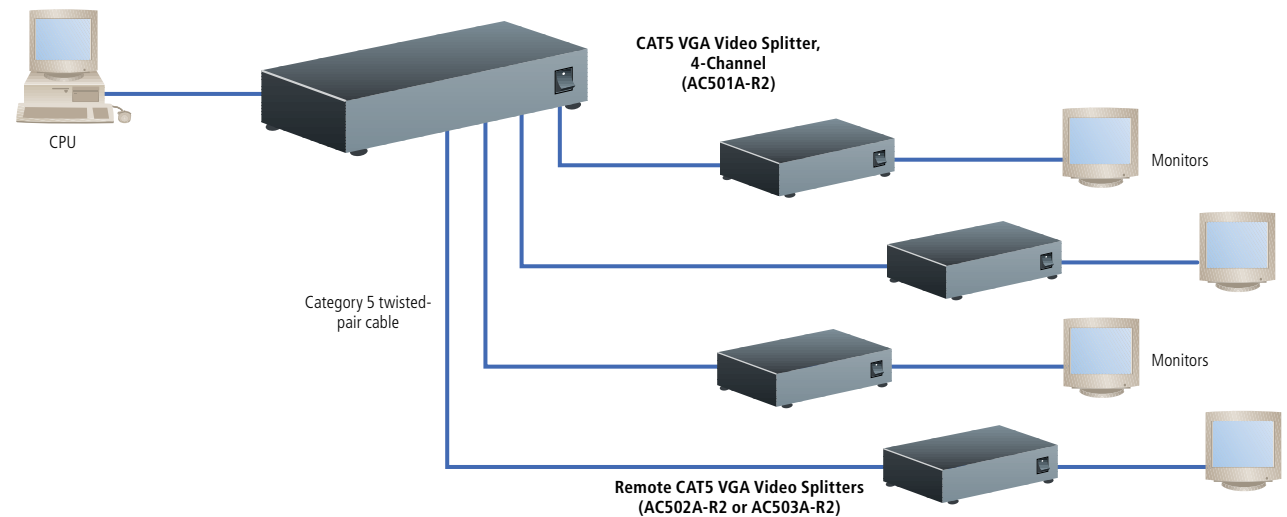
Simultaneously broadcast
your screen to up to four
remote monitors via
standard Category 5
UTP cable.



FEATURES

- » Connect up to two or four monitors to one CPU.
- » Locate monitors up to 360 ft. (109.7 m) from the CPU using the remote standard models or 820 ft. (249.9 m) using the long-range models.
- » Supports IBM PC, PS/2, and 100% compatibles; 5-pin DIN or mini 6-pin keyboards; SVGA, VGA, XGA, and monochrome monitors; serial PS/2 bus mice; and all types of software.
- » Resolution up to 1280 x 1024.

Broadcast video from a central source to up to four remote monitors via the CAT5 VGA Video Splitter



OVERVIEW

Instantly broadcast the information on your computer's video screen to users in remote locations. The [CAT5 VGA Video Splitters](#) let you demonstrate products, present data, monitor security, or educate and train users. And all you need is Category 5 twisted-pair cable—not expensive coax!

- Demonstrate your products in the showroom, boardroom, window display, exhibition, or trade show.
- Broadcast important real-time data such as flight information at an airport, stock prices in the bank's branch office, or news headlines in a TV or radio station.
- Monitor security stations in a plant, warehouse, or business entrance.
- Educate or train people via remote monitors in a classroom or company.

The host module is a central unit that connects to your local CPU. [CAT5 VGA Video Splitters](#) are available in 2- or 4-port host modules with a 100–240-VAC autosensing power supply.

You'll also need up to 2 or 4 remote units. Remote standard units connect to your video screens in locations up to 360 ft. (109.7 m) away from the CPU. Remote long-range splitters provide distances up to 820 ft. (249.9 m) from the CPU.

All the splitters work with Category 5 twisted-pair cable, so they're ideal for use with your updated copper network.

The [VGA Video Splitter](#) supports IBM® PC, PS/2®, and 100% compatibles; 5-pin DIN or mini 6-pin keyboards; SVGA, VGA, XGA, and monochrome monitors; and serial PS/2 bus mice. It even supports high-resolution monitors (1280 x 1024).

It's easy to install—just plug and play. No software installation is required. And the splitter doesn't conflict with software running on your computer.

Cascade multiple splitters to increase the number of monitors you can broadcast to.

Our Composite Adapters enable the [CAT5 VGA Video Splitters](#) to work with composite video sources such as VCRs, DVD players, or video cameras.

Typical Application

Broadcast data from a central VGA screen to two or four remote screens via Category 5 twisted-pair cable.

TECH SPECS



Top: AC502A-R2;
bottom: AC503A-R2

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System Requirements —

AC500A-R2: (1) PC, (1) local monitor, (2) remote monitors;
AC501A-R2: (1) PC, (1) local monitor, (4) remote monitors

I/O Signals — Video signals: red, green, blue, 0.7 Vp-p/75 ohms positive;
Sync: TTL vertical and horizontal

Resolution — Monitor: 1280 x 1024;
Horizontal: 30 to 100 kHz;
Vertical: 43 to 100 Hz

Transmission — Remote Standard: Splitter to Monitor: 360 ft. (109.7 m);
Remote Long-Range: 820 ft. (249.9 m)

Cables — 4-pair Category 5 twisted pair, 24 AWG

Enclosure — Shielded metal box

Connectors — AC500A-R2:

Input port: (1) HD15 male, Pass-through port: (1) HD15 female,
Interconnect port: (2) RJ-45;

AC501A-R2: Input port: (1) HD15 male, Pass-through port:
(1) HD15 female, Interconnect port: (4) RJ-45;

AC502A-R2, AC503A-R2: Input port: (1) RJ-45 female,
Output port: (1) HD15 female

Power — Autosensing power supply:

Input: 100–240 VAC, 50–60 Hz, 0.3 A;
Output: 6 VDC, 2 A

Size — AC500A-R2, AC501A-R2:

1.6"H x 7.7"W x 4.1"D (4.1 x 19.6 x 10.4 cm);
AC502A-R2: 1.6"H x 4.4"W x 3.5"D (4.1 x 11.2 x 8.9 cm);
AC503A-R2: 1.6"H x 6.3"W x 5"D (4.1 x 16 x 12.7 cm)

What's included

AC500A-R2 or AC501A-R2:

- ◆ (1) CAT5 VGA Video Splitter host module, 2- or 4-Channel
- ◆ (1) 5-ft. (1.5-m) video cable (HD15 male/HD15 female)
- ◆ (1) 110–240-VAC, 50–60-Hz autosensing power supply
- ◆ (1) user's manual

AC502A-R2 or AC503A-R2:

- ◆ (1) Remote CAT5 VGA Video Splitter Standard or Long-Range
- ◆ (1) 110–240-VAC, 50–60-Hz autosensing power supply
- ◆ (1) user's manual

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

Recognize 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.
- It's 9 p.m. and you need help, but your vendor's tech support line is closed.

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 far 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.

Item

Code

You'll need one host module...

CAT5 VGA Video Splitters 2-Channel (100–240 V)	AC500A-R2
4-Channel (100–240 V)	AC501A-R2

...and one remote splitter for each remote monitor that you want to connect...

Remote CAT5 VGA Video Splitters Standard (100–240 V)	AC502A-R2
Long-Range (100–240 V)	AC503A-R2

For composite video, order a local adapter for the host module and a remote adapter for each remote unit...

Composite Adapters	
Local	AC512A
Remote	AC513A