

## VGA Extenders

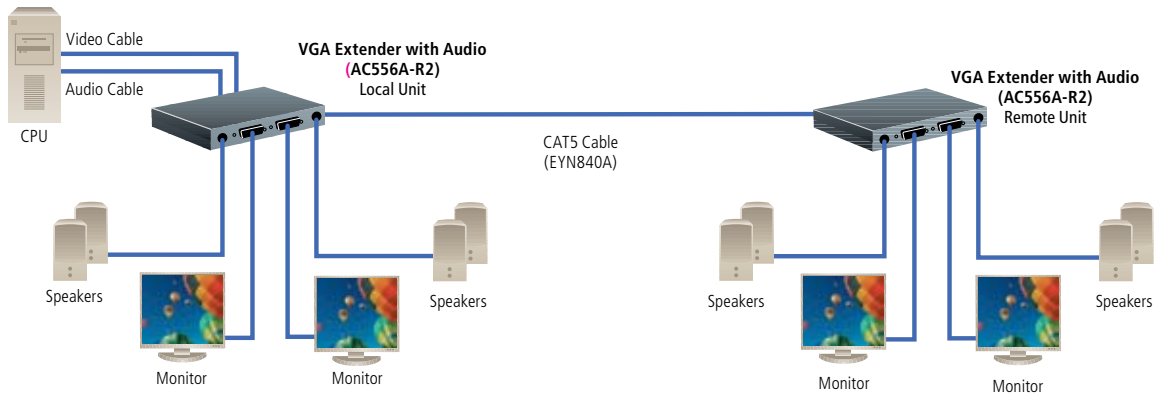
Place remote monitors  
and speakers up to 500  
feet from your PC.



## FEATURES

- » Extend VGA or VGA and audio up to 500 feet (152.4 m) on ordinary CAT5, CAT5e, or CAT6 cable.
- » An equalization (gain) control on the remote unit enables you to fine-tune the VGA image.
- » Choose from VGA only or VGA plus audio.
- » With the AC556A-R2 version, both the local and the remote units support two monitors or two monitors with speakers.
- » You can also order the VGA only transmitters (AC555A-4-R2) or receivers (AC555A-REM-R2) separately—you need one transmitter (local unit) and one receiver (remote unit) for each extender link.

## Extend VGA signals—plus audio—to remote monitors!



## OVERVIEW

Black Box® VGA Extenders enable you to use standard twisted-pair cable to transmit VGA signals or VGA and audio signals up to 500 feet (152.4 m) in your video distribution or digital signage application.

Use them to broadcast video content, as well as audio, from a PC in schools, hospitals, retail stores, airports, bus stations, and many other applications.

The extenders support both local and remote VGA monitors. Each kit consists of a local unit and a remote unit, as well as a VGA cable for connecting the local unit's HD15 input connector to your VGA source.

The local unit duplicates the input signal for local use and transmits the VGA signal to the remote unit. When the remote unit receives the VGA signal via an RJ-45 connector, it broadcasts the signal to two VGA outputs.

The extenders support video resolution up to 1024 x 768, and common mode noise suppression circuits provide superb VGA quality via CAT5, 5e, or 6 unshielded twisted-pair cables.

To add audio extension capabilities to your application, order the **VGA Extender with Audio (AC556A-R2)**. The audio input/output jacks can be used, for instance, to plug in speakers for a full multimedia experience. The AC556A-R2 takes the left and right channels of a stereo signal input on the local unit, sends them to the audio outputs, where it's "mixed" together to form a mono signal before transmitting to the remote unit via CAT5, 5e, or 6 cable.

After you install the **VGA Extender**, you can monitor its operation via its LEDs. Active LEDs, for example, light on the local unit when the extender detects a VGA input signal and on the remote unit when it properly decodes VGA signals for the two HD15 VGA ports.

What's more, a convenient equalization (gain) selector switch on the remote unit gives you optimum signal clarity. To fine-tune the images, just adjust this switch to match the length of the CAT5, 5e, or 6 cable between units.

## TECH SPECS

**Distance (Maximum)** — 500 ft. (152.4 m)

**Resolution (Maximum)** — 1024 x 768

**User Controls** — (1) equalizer selector switch

**Connectors** —

AC555A-R2: Local unit: (1) HD15 M in, (1) RJ-45, (1) 5 VDC in, (2) HD15 F out;

Remote unit: (1) RJ-45, (1) 5 VDC in, (2) HD15 F out;

AC556A-R2: Local unit: (1) HD15 M in, (1) RJ-45, (1) 5 VDC in,

(1) stereo audio in, (2) HD15 F out, (2) stereo audio out;

Remote unit: (1) RJ-45, (1) 5 VDC in, (2) HD15 F out, (2) stereo audio out

**Indicators** — On each local and remote unit: (1) Power, (1) Active

**Power** — External: Input: 120 VAC, 60 Hz;

Output: 5 VDC, 600 mA

**Size** — AC555A-R2 (each unit): 0.6"H x 3.3"W x 2.3"D (1.5 x 8.4 x 5.8 cm);

AC556A-R2 (each unit): 0.6"H x 4.1"W x 2.3"D (1.5 x 10.4 x 5.8 cm)

**Weight** — Each unit: 0.4 lb. (0.2 kg)

### What's included

- ◆ Local extender unit
- ◆ Remote extender unit
- ◆ (2) power supplies
- ◆ VGA cable (male/female)
- ◆ Audio cable (AC556A-R2 only)
- ◆ User manual

### Item

Item	Code
VGA Extender (Local and Remote Units)	<b>AC555A-R2</b>
<b>You can also order the local and remote units separately...</b>	
Transmitter Only (Local Unit)	<b>AC555A-4-R2</b>
Receiver Only (Remote Unit)	<b>AC555A-REM-R2</b>
VGA Extender with Audio	<b>AC556A-R2</b>