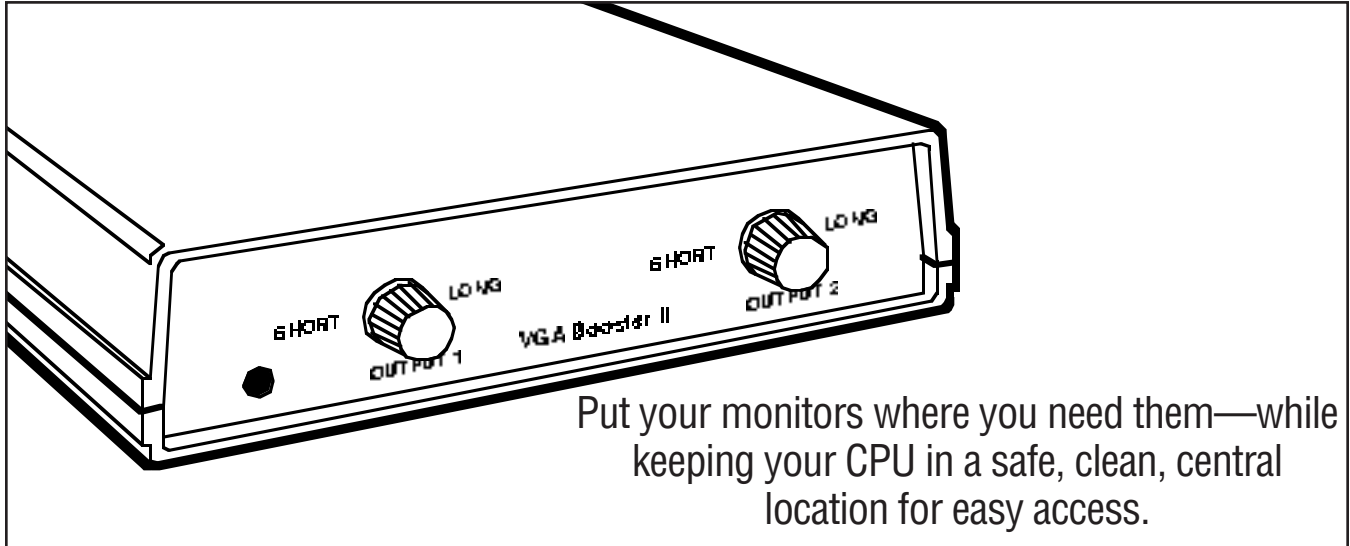


BLACK BOX[®]

NETWORK SERVICES

2-CHANNEL VGA BOOSTER



Put your monitors where you need them—while keeping your CPU in a safe, clean, central location for easy access.

Key Features

- ▶ Sends VGA signals up to 700 feet (213 m).
- ▶ Supports VGA, XGA, and SVGA monitors.
- ▶ Provides clear images on your monitor.
- ▶ Eliminates signal distortion.
- ▶ Two independent outputs let you use two monitors at once.
- ▶ Add Video Splitters for up to twenty monitor outputs.
- ▶ A front-panel knob for each output adjusts for the length of cable you are using.

With the 2-Channel VGA Booster, you can view the output of a VGA adapter on 1 or 2 monitors simultaneously. You can place each monitor up to 700 ft. (213 m) away from the Booster, depending on the VGA operating mode.

The Booster works with Color VGA, Monochrome VGA, 8514/A VGA, or XGA monitors. Simply install a jumper for the type of monitor you are using.

Two front-panel knobs let you choose any cable length up to 700 ft. (213 m) for each output. Since the outputs operate independently, the cable lengths can be different for each output, so placing your monitors exactly where you need them is a breeze.

The Booster's advanced circuitry ensures that your VGA signal will be free of distortion, giving you crisp, clear, images on your monitors.

A 5-foot (1.5-m) DB15HD

male-to-male input cable is included with the Booster to

connect your PC's CPU to the Booster.

Typical Applications

- In a manufacturing environment, protect your CPU from dust and damage by keeping it in a nearby office, while your monitors remain on the plant floor where you can view them when you need them.
- Add VGA Video Splitters to view up to 20 monitors at once. For example, in a large retail store, you might want to keep tabs on inventory as it changes rapidly during a store sale.

What's Included

- (1) 2-Channel VGA Booster
- (1) 5-VDC power transformer
- (1) 5-ft. (1.5-m) VGA input cable
- User's manual

Technically Speaking

The 2-Channel VGA Booster is easy to configure for your application. It has two front-panel knobs (one for each independent output) for configuring cable length, and jumper settings for configuring monitor type.

- Each output has a single front panel knob that adjusts to the length of cable you plan to use. For reliable and easy setup, all equalization parameters are set automatically, so you don't need to internally adjust controls. Knob positions

that correspond to specific cable lengths are shown in the Specifications section on this page.

- As shipped, the Booster is internally jumpered to support a standard color VGA monitor. You can change these jumpers to support different monitor types—including Color VGA, Monochrome VGA, 8514/A VGA, and XGA. Jumper settings for each monitor type are shown in the Specifications section on this page.

Specifications

Maximum Cable Lengths — VGA (up to 480 lines): 700 ft. (213 m); **XGA and Super VGA modes:** 600 lines: 600 ft. (182 m), 768 lines: 500 ft. (152.4 m)

Knob Positions — 1, 2, 3, 4, 5, 6 for cable lengths up to 700 ft. (213 m); see the table following the Ordering Information

Monitor Types Supported — Color VGA, Monochrome VGA, 8514/A VGA, XGA (see table below for jumper settings for each monitor type)

Connectors — VGA Input: HD-15 F; **Outputs:** HD-15 F; **Power Input:** 2.5-mm subminiature phone jack, tip positive; **Equalization Control:** 6-position knob for each output

Power — AC074A: Input: 115 VAC/60 Hz, Output: 5 VDC, 600 ma; **AC074AE:** 230 VAC/50 Hz wall transformer; Output: 5 VDC, 1 A; UL[®], CSA approved

Size — 1.5"H x 5.5"W x 8.8"D (3.8 x 13.9 x 22.2 cm)

Weight — 1.2 lb. (0.5 kg)

Additional Equipment You May Need

- One or more VGA monitors
- VGA Video Splitters
- VGA Extender II with VGA Extender II Cable
- VGA to Video Converter
- Six-Line AC Surge Protector
- Redundant Power Supply

FRONT-PANEL KNOB POSITIONS

Knob Position	Cable Length for VGA	Cable Length for Super VGA
1	0-125 ft. (0-38 m)	0-100 ft. (0-30 m)
2	125-250 ft. (38-76 m)	100-175 ft. (30-53 m)
3	250-375 ft. (76-114 m)	175-250 ft. (53-76 m)
4	375-500 ft. (114-152 m)	250-325 ft. (76-99 m)
5	500-600 ft. (152-182 m)	325-425 ft. (99-129 m)
6	600-700 ft. (182-213 m)	425-500 ft. (129-152 m)

JUMPER SETTINGS

Monitor Type	Jumpers to Install
Color VGA	B
Monochrome VGA	C
XGA, 8514/A VGA	A + B

Ordering Information

ITEM	CODE
2-Channel VGA Booster	
230 VAC	AC074AE
<u>You may also need...</u>	
VGA Extender Cable	
50-ft. (15.2-m)	EHN101-0050
75-ft. (22.9-m)	EHN101-0075
100-ft. (30.5-m)	EHN101-0100
150-ft. (45.7-m)	EHN101-0150
200-ft. (61-m)	EHN101-0200
300-ft. (91.4-m)	EHN101-0300
Custom lengths	EHN101
VGA Video Splitter	AC056, 057, 058A-R2

Call our expert Technical Support Staff for all your needs. They'll help you find the best equipment for your application