



**AC650A-2**  
**1 In 2 Out**



**AC650A-4**  
**1 In 4 Out**

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FREE technical support, 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746  
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## **Introduction:**

Through the video/audio splitter, by virtue of the video of VGA card and the audio of sound card from the PC, can drive 2,4 monitors and earphones function concurrently.

Video/audio splitter is ideal for:

- Test bench facilities
- Data center
- Help desks
- Video broadcasting:  
Presentation  
Stock quotes  
Timetables  
Educational facilities

## **Features:**

- Multi-function.

### **Video:**

- With 400 MHz pixel frequency.
- Extends the video signal up to 65 meter (213 feet).
- Supports the DDC, DDC2, DDC2B. (For video out port 1)
- Can be cascaded.
- The output is compatible with standard VGA card.

### **Audio:**

- General audio line level.
- Can be cascaded.
- Available for general earphone.

## **Specifications:**

### **Video:**

- Extended Distance: Max. 65 meter.
- Signal Type: VGA, SVGA, XGA, QXGA, UXGA, Multisync.
- Input Connector: HD-15 female.

### **Audio:**

- Operation Frequency: 50Hz~15KHz.
- Input Impedance: 20KO.
- Max. Audio Input: 2.5Vp-p.
- Input Connector: 3.5f mini-stereo jack.

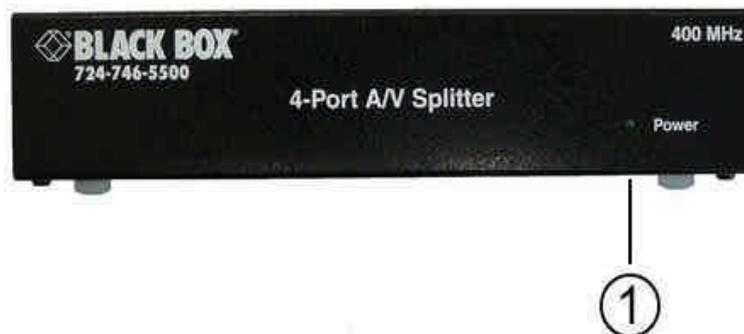
Function	AC650A-2	AC650A-4
Video Out Connector (HD-15 Female)	2	4
Max. Resolution	2048 x 1536 60 Hz	
Pixel Frequency	400 MHz	
Audio Out Connector (3.5f Mini-Stereo Jack)	2	4
Power Adapter	AC 7.5V 800mA	
Housing	Metal	
Weight	465 g	670 g
Dimensions (LxWxH) mm	130x75x42	200X75X42

### Technical Specifications Input/Output Signal

Pin #	Signal
1	Red video
2	Green video
3	Blue video
4	ID2
5	Ground
6	Analog ground
7	Analog ground
8	Analog ground

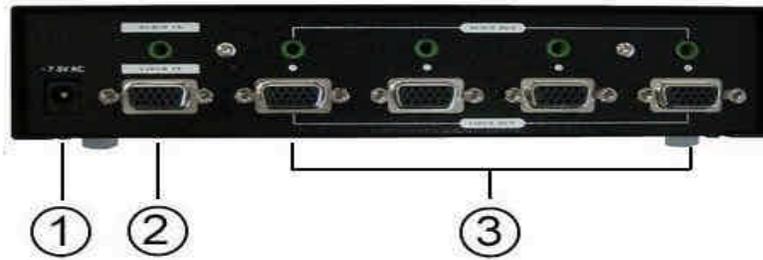
Pin #	Signal
9	NC
10	Ground
11	ID0
12	ID1
13	Horizontal sync
14	Vertical sync
15	ID3

### FRONT VIEW



1. Power LED

## REAR VIEW



1. Input Power Jack
2. “Audio In” Port & “Video In” Port
3. “Audio Out” Port & “Video Out” Port

\*There are 2 out ports for AC650A-2 and 4 out ports for AC650A-4

## Installation

1. Turn off the PC and monitor.
2. Connect the HD-15 video cable between the “video output” of PC and “video in” port of the video/audio splitter.
3. Connect the 3.5f audio cable between the audio output device and the “audio in” port of video/audio splitter.
4. Connect the HD-15 video cables between the “video input” of monitors and “video out” ports of video/audio splitter.
5. Plug the 3.5f earphones into the “audio out” ports of the video/audio splitter.
6. Turn on the video/audio splitter and then LED lights up.
7. Turn on the PC, monitors and the related devices.

### Note:

If you install the DDC monitor for the splitter, the rest of monitors must be the same resolution as the DDC monitor.

Available monitors include the VGA, SVGA, XGA, QXGA, UXGA, Multisync, and exclude the CGA, EGA, Mono.

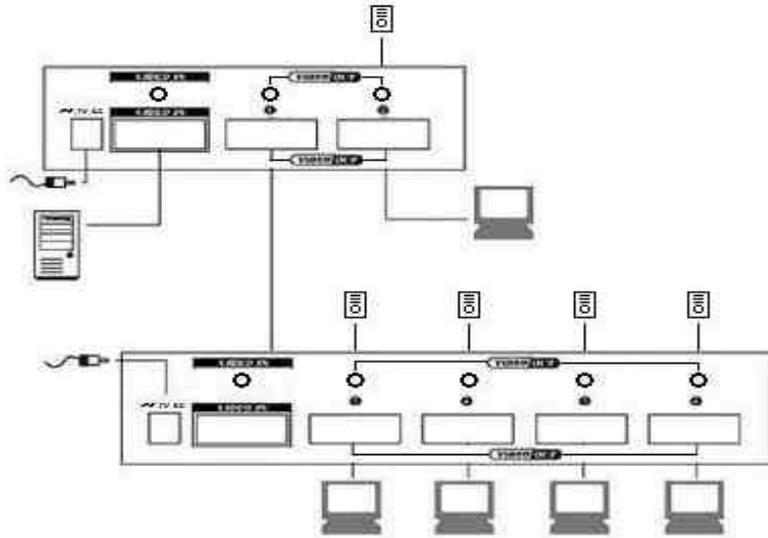
## Operation for cascade:

1. The function for displaying the identical image on more monitors as well as hearing the same audio from more earphones, you request to attach another video/audio splitter.

2. Connect the HD-15 male/male video cable between the “video out” port of the former splitter and the “video in” port of the latter splitter, meanwhile, connect the 3.5f audio cable between the “audio out” port of the former splitter and the “audio in” port of the latter splitter.

**Note:**

Cascading too many tiers of splitters might cause the image or audio quality declined.



P.S.: The example cascades the 2 and 4 ports video/audio splitters; however, you can cascade the video/audio splitter with demanded port.

## Video Splitter Resolution Chart

640x480	60Hz	65m (213ft)
800x600	60Hz	50m (164ft)
1024x768	60Hz	40m (131ft)
1280x1024	60Hz	30m (98ft)
1600x1200	60Hz	15m (49ft) Note: This is 15M and below.

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