

AVLINK VGA/QXGA DISTRIBUTION AMPLIFIER



USER MANUAL

Read this manual thoroughly, and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

This package contains:

- (1) MSV12C or MSV14C
- (1) DC 9v 600mA Power Adapter
- 1 User Manual

OVERVIEW

Broadcast to two (MSV12C) or four (MSV14C) monitors simultaneously using VGA/QXGA Distribution Amplifier (D/A). Its built-in video extender ensures clear and sharp images as far as 200ft away from your CPU. Use it to enhance your presentations as well as broadcasting of real-time data. It is ideal for classrooms and training facilities, and remote security monitoring. To ensure the best video integrity, it has a high bandwidth of 300MHz that supports resolution of up to 2058x1396 @ 60Hz.

In addition, the Distribution Amplifier can be daisy chained up to two levels to connect as many as 16 monitors, making it an excellent solution for public broadcast systems.

These distribution amplifiers are your best choice to achieve multiple high quality VGA/QXGA or Multisync video signals over long distances.

FEATURES

- Compact with Ultra-High 300MHz bandwidth
- Enhances video signal for distances up to 200ft
- Works with analog flat panel & projector
- Connects large monitors with HD15 connectors
- Supports DDC, DDC2, DDC2B (Port 1 Only)
- Cascade capability provides for future expansion
- Compact design with metal casing and anti-skid feet
- One Year Limited Warranty

Note:

1. If you connect a DDC type monitor to Video Out Port 1, all other monitors must be able to support the highest resolution of that DDC monitor.
2. These products are designed for VGA/QXGA, and Multisync monitors. They are not suitable for CGA, EGA, or MONO-type monitors, or those that use digital video signals like DVI-D or DFP.

RECOMMENDED CABLES

CC388B Series - an HD15M/M triple shielded high quality video cable to connect your computer to distribution amplifier & CC320B Series, an HD15M/F cable for your monitors or video display to the distribution amplifier ports. It is available in standard lengths of 1, 3, 6, 10, 15, 25, 35, 50, 75, 100, 150 & 200ft. UltraThin and Plenum-rated cables are also available.

SPECIFICATIONS

Function	Specification
Cable Distance (D/A to Monitor)	200ft max.
Max Resolution	2048 x 1536 60Hz
Max Bandwidth	300 MHz
Signal Type	VGA/QXGA, Multisync
Horizontal Frequency	30 – 110KHz
Vertical Frequency	56 – 85Hz
Operating Temperature	5 – 40° C
Storage Temperature	-20 – 60° C
Humidity	0 – 80% RH, Non-condensing
Housing	Plastic

Function	MSV12C	MSV14C
DC 9V Power Consumption (Max.)	150mA	250mA
Video Connectors (HD15 Female)	3	5
Weight	94 g	111 g
Dimensions: mm (LxWxH)	100x81.5x27.5mm	

HD15 VIDEO PIN ASSIGNMENT

No.	Assignment
1	Red video
2	Green video
3	Blue video
4	ID2
5	Ground
6	Analog Ground
7	Analog Ground
8	Analog Ground

No.	Assignment
9	NC
10	Ground
11	ID0
12	ID1
13	Horizontal Sync
14	Vertical Sync
15	ID3

PARTS & FUNCTIONS



There are 2 out ports for MSV12C & 4 out port for MSV14C.

1. Power LED
2. Input Power Jack
3. Video-In Port
 - If this is a First Stage unit, the cable from the PC's video port plugs in here.
 - If this is a Daisy Chained unit, the cable from the Video Out port of the higher stage unit plugs in here.
4. Video-Out Port

The cables to the monitors can plug in to any available port. If you connect a DDC type monitor to Video Out Port 1, all other monitors must be able to support the highest resolution of that DDC monitor.

INSTALLATION

1. Use a high density HD15 male/male video cable (CC388B) to connect the PC's video port to the **Video-In** port of the distribution amplifier.
2. Use high density HD15 male/female video extender cables (CC320B) to connect the **Video-Out** ports of the distribution amplifier to the monitors. If the video display doesn't have a built-in video cable, please use CC388B instead.
3. Plug the power adapter into an AC source and connect the other end of the adapter into the distribution amplifier's Power Jack.
4. Turn on the monitors and the PC.

DISTANCE RESOLUTION MATRIX

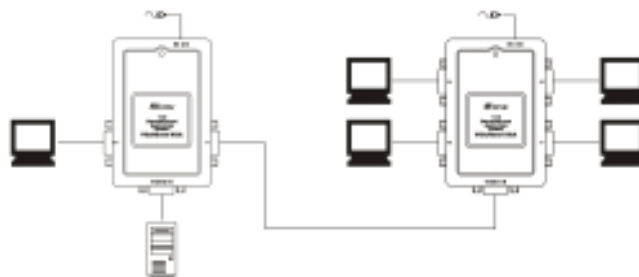
Please use the listed resolution matrix as a guide for setting the monitors. Some results may vary depending on the frequency and size of monitors.

Up to 2048 x 1536 @ 60Hz	Up to 32ft
Up to 1600 x 1200 @ 60Hz	Up to 50ft
Up to 1280 x 1024 @ 60Hz	Up to 100ft
Up to 1024 x 768 @ 60Hz	Up to 130ft
Up to 800 x 600 @ 60Hz	Up to 165ft
Up to 640 x 480 @ 60Hz	Up to 200ft

DAISY CHAINING

To provide video display for multiple monitors, additional distribution amplifiers are required to create a daisy chain. Use a high density HD15 male/male video cable (CC388D) to connect any available **Video-Out** port on the higher level distribution amplifiers to the **Video-In** port of the lower level distribution amplifiers.

You can chain up to **two levels** of distribution amplifiers as well as intermix the use of other models on the same chain.



RADIO & TV INTERFERENCE

WARNING!!! This equipment generates, uses, and can radiate radio frequency energy. If this product is not installed and used in accordance with the instruction manual, it may cause interference to radio communications. This equipment has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of the FCC Rules & Regulations, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user may be required to correct the interference at his/her own expense.

For additional technical support send an email to: support@gvs.com.