A WORLD OF A/V SOLUTIONS

DISTRIBUTION AMPLIFIERS

IN3260

INSTALLATION DISTRIBUTION AMPLIFIER FOR HIGH RESOLUTION VIDEO AND STEREO AUDIO WITH MODULAR A/V FACEPLATE

IN3260

OPERATION MANUAL

High Resolution Video Products • A/V System Integration Tools • Interactive Training Systems

Installation and Safety Instructions

For Models without a Power Switch:

The socket outlet shall be installed near the equipment and shall be accessible.

For all Models:

No serviceable parts inside the unit. Refer service to a qualified technician.

For Models with Internal or External Fuses:

For continued protection against fire hazard, replace only with same type and rating of fuse.

Instructions d'installation et de sécurité

Pour les modèles sans interrupteur de courant:

La prise de courant d'alimentation sera installé près de l'équipement et sera accessible.

Pour tout les modèles:

Pas de composants à entretenir à l'intérieur. Confiez toute réparation à un technicien qualifié.

Pour les modèles équipés de fusibles internes ou externes:

Afin d'éviter tout danger d'incendie, ne remplacer qu'avec le même type et la même valeur de fusible.

Installations- und Sicherheitshinweise

Für Geräte ohne Netzschalter:

Die Netzsteckdose soll in der Nähe des Gerätes installiert und frei zugänglich sein.

Für alle Geräte:

Keine Wartung innerhalb des Gerätes notwendig. Reparaturen nur durch einen Fachmann!

Für Geräte mit interner oder externer Sicherung:

Für dauernden Schutz gegen Feuergefahr darf die Sicherung nur gegen eine andere gleichen Typs und gleicher Nennleistung ausgewechselt werden.

Instalacion E Instrucciones de Seguridad

Modelos Sin Interruptor:

La conexión debe ser instalada cerca del equipo y debe ser accesible.

Para Todos Los Modelos:

Dentro de la unidad , no hay partes para reparar. Llame un tecnico calificado.

Modelos con Fusibles Internos o Externos:

Para prevenir un incendio, reemplace solo con el mismo tipo de fusible.

CE COMPLIANCE

All products exported to Europe by Inline, Inc. after January 1, 1997 have been tested and found to comply with EU Council Directive 89/336/EEC. These devices conform to the following standards:

EN50081-1 (1991), EN55022 (1987)
EN50082-1 (1992 and 1994), EN60950-92

Shielded interconnect cables must be employed with this equipment to ensure compliance with the pertinent Electromagnetic Interference (EMI) and Electromagnetic Compatibility (EMC) standards governing this device.

CE

FCC COMPLIANCE

This device has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide against harmful interference when equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense.

Product Overview

DESCRIPTION

The **IN3260** is a distribution amplifier for high-resolution computer video and stereo audio signals. This unit is specifically designed to mount in a wall, conference table or podium in a standard 3-gang junction box (included). The **IN3260** accepts the high-resolution video signals from a computer graphics card and the stereo audio signals from a computer sound card, then splits and amplifies the signals so they can simultaneously drive two data grade displays and two audio devices. The most common application for the **IN3260** is to provide signals for a local monitor and a second display device such as a data / presentation monitor or projector.

FEATURES

Easy Operation - The user simply brings in a computer and connects video and audio cables to the nearest **IN3260** distribution amplifier. This design eliminates the need to have a power supply, distribution amplifier and thick output cable dangling from the computer, and promotes easy operation, enhanced reliability, and a clean, high-tech look.

Modular Wall Plate - Available with a variety of popular connectors, the **IN3260** faceplate can be interfaced with up to three A/V modules. The unit can hold double size plates to accommodate large connectors such as XLR. The **IN3260** simplifies the design and installation process since a single unit fills the function of both video / audio distribution amplifier and A/V wall plate.

15-Pin HD VGA Standard Connectors - The **IN3260** connects directly to VGA graphics cards and local monitors by using high-resolution coaxial VGA extension cables such as the **IN8000** series. Input / output adapter cable sets are also available in a variety of lengths for MAC (15-Pin D), SUN (13W3), SGI (13W3) and workstations (4 or 5 BNC).

Ultra High-Resolution Amplification - The **IN3260** provides superb performance and maximum image clarity at any resolution. Several design elements combine to provide this level of performance: video bandwidth in excess of 400 MHz, a buffered local monitor output, and input / local monitor output cables constructed of high-resolution coaxial materials.

Adjustable Video Output Gain - is a feature that boosts the output signal voltage to compensate for signal loss occurring in long cable runs. Two separate sets of jumpers allow the installer to set unique output gain levels as required for the Local Monitor Output (15-Pin HD on front) and the Main Output (6-BNCs on back).

Sync Format / Polarity Preservation - The **IN3260** output signals have the same sync format and polarity as the input signal, ensuring excellent operation with a wide range of CRT, LCD, DMD, ILA and plasma data display devices.

Stereo Audio Signal Balancing - The **IN3260** provides stereo buffering and balancing to support multimedia applications. The 3.5mm audio input jack accepts unbalanced stereo audio from the computer sound card and splits / amplifies the signal. One output connector can feed a local audio device such as powered speakers or an audio / video recorder, while the other can supply the line level audio signal to a presentation monitor or house sound system. The local audio output is a 3.5mm stereo mini jack that provides an unbalanced output signal. The main audio output (located on the back side of the unit) is provided on a 5-pin creative screw terminal and can be set for either a balanced or unbalanced output signal.

Compatibility

INPUT

The **IN3260** Installation Distribution Amplifier operates with analog video input from a wide variety of IBM and compatible computer video signal formats including VGA, SVGA and XGA.

OUTPUT GAIN

To set the output gain for the main or local monitor outputs, close the appropriate jumpers according to the table below. Be sure that the Red, Green and Blue output jumpers for each output are all set to the same setting. The factory default setting for both outputs is unity gain.

Output Gain Jumper Settings for Output 1 (15-pin HD Local Monitor Output)

	Gain 1.0 (Unity)	Gain 1.2 (20% Signal Boost)	Gain 1.4 (40% Signal Boost)
Red	9	8	7
Green	13	12	11
Blue	16	15	14

Output Gain Jumper Settings for Output 2 (6 BNC Main Output)

	Gain 1.0 (Unity)	Gain 1.2 (20% Signal Boost)	Gain 1.4 (40% Signal Boost)
Red	19	18	17
Green	22	21	20
Blue	25	24	23

MONITOR EMULATION

Setting the jumpers according to the table below will configure the unit for automatic or manual emulation:

Emulation for 15-pin HD Male Input Connector	Auto Emulation (Factory Default)	Manual Emulation (Pin Always Grounded)
Pin 11	JP1 Open	JP1 Closed

Automatic Factory Emulation (Factory Default)

When the unit is operating in automatic emulation mode, emulation sense pins are treated in the following manner:

- **Monitor Connected to Local Monitor Output -** All sense pins are passed from the input connector to the local monitor output connector, allowing the monitor to set the emulation automatically.

- **No Monitor Connection to the Local Monitor Output -** The distribution amplifier emulates a VGA Color / MAC 13” RGB monitor automatically.

Manual Emulation Sense Pin Selection

The **IN3260** cannot automatically emulate some MAC monitors. Some newer MAC G3 / G4 models require jumper pin 11 to be grounded in order for the PC to boot-up. Manually adjusting, or grounding jumper pin 11, allows the user to force the video card into the proper configuration. If so desired, grounding pin 11 on the video output connector [15-pin HD male] will achieve the same results.
Note: JP2 must be closed.

STEREO AUDIO BUFFER OPERATION

The **IN3260** accepts unbalanced stereo audio signals applied to the 3.5mm stereo mini audio input connector. This signal is amplified and split into the Local Audio and Main Audio Outputs as indicated in the chart below:

	Local Audio Output	Main Audio Output
Connector Type / Location	3.5mm Stereo Mini Female Located on Interface	5-pin Captive Screw Terminal Located on PCB
Signal Format	Unbalanced Audio	Balanced Audio (Factory Default) or Unbalanced Audio Depending on Jumper Settings

Local Audio Output

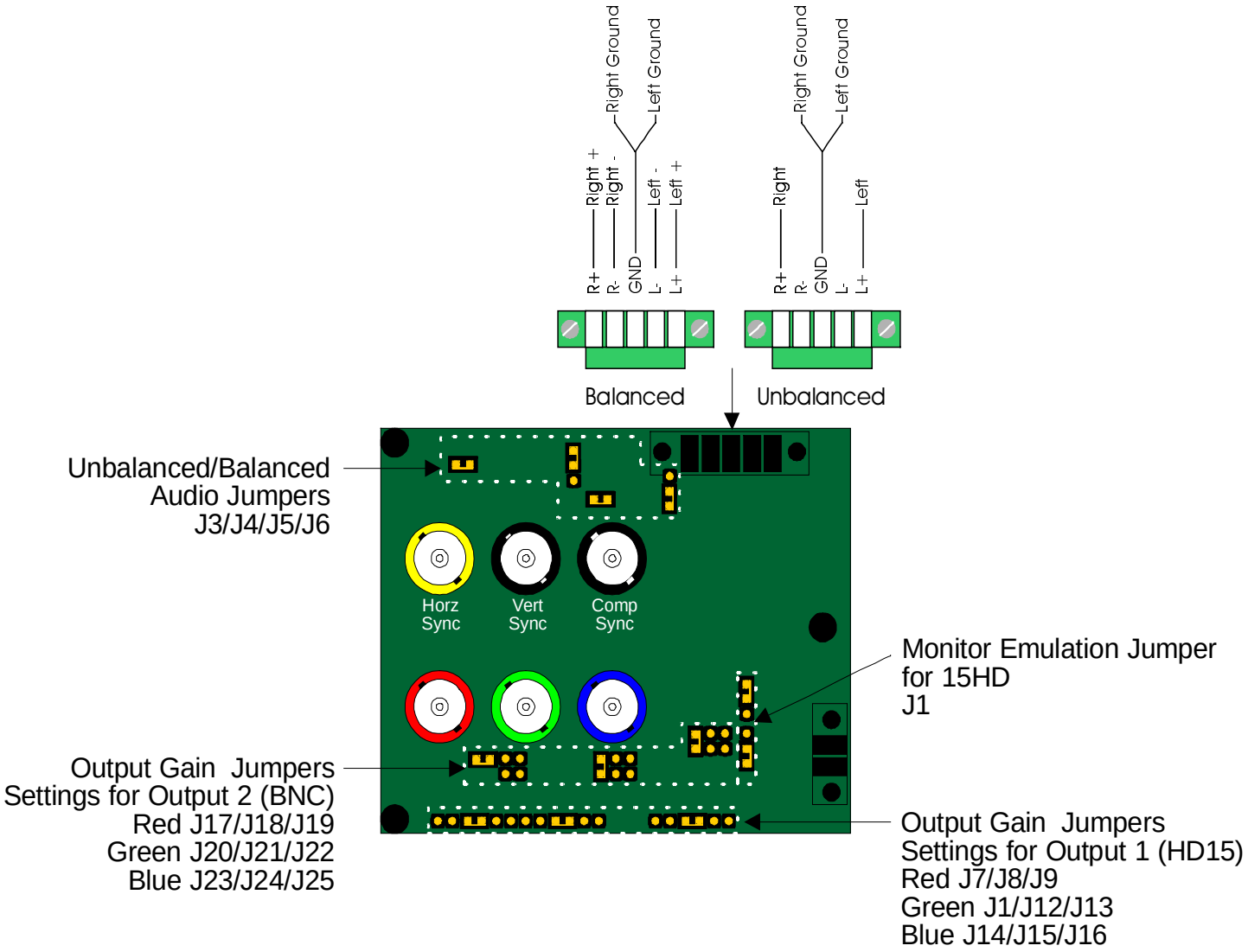
The **IN3260** outputs unbalanced stereo audio at the local audio connector, permitting a local audio device such as powered speakers, an audio / video recorder or teleconferencing codec input to be connected.

Main Audio Output

The main audio output is a 5-pin captive screw terminal located on the back of the video distribution amplifier. The factory default signal for the main output is unbalanced audio. By setting the jumpers (JP#) to the appropriate positions, the main output can be set for balanced audio (see illustration on page 4). This is desirable for systems where the audio signal will be connected to equipment with balanced audio inputs, and is helpful in preserving signal integrity and minimizing outside signal interference when sending the audio signal over lengthy cable runs. The main audio output can be set for balanced or unbalanced output by setting the four jumpers as indicated below:

Unbalanced Output Signal (Factory Default)	Balanced Output Signal
JP3 / JP4: Closed JP5: Jumper Connects 2 Upper Pins JP6: Jumper Connects 2 Lower Pins	JP3 / JP4: Open JP5: Jumper Connects 2 Lower Pins JP6: Jumper Connects 2 Upper Pins

IN3260 JUMPER ILLUSTRATION



Installation

CAUTION: Installation of the IN3260 must only be carried out by qualified technicians. Care must be taken to avoid static shock to the internal components.

This section offers step-by-step instructions for installing the **IN3260.** The front panel connector diagram on page 8 shows the location and function of the **IN3260** connectors. An application diagram is included on page 7.

1. Install the junction box in accordance with standards set forth in the National Electrical Code. Secure the junction box with nails (2 places minimum) if mounting to a wooden stud or self-tapping screws when attaching to a metal stud. You may also install the interface in an

   existing 3-gang junction box. Run the video coax cable, power cable and stereo audio cables (if used) to the junction box.

2. Connect the **IN3260** output (6 BNC connectors) to the data display device's RGB input, using four, five or six high-resolution BNC cables or a multi-conductor RGBHV, RGBS, or RGsB "snake" (most installations will require five or six connector cables). The **IN7000 Series, IN7200 Series, IN7300 Series** and **IN7400 Series** high-resolution cables are well suited for this purpose (see RGB INSTALLATION CABLE table on page 12). Take care while making connections to ensure that the red output is connected to the red input, sync output to the sync input, etc.

3. Connect the left, right and ground conductors on the audio cable to the **IN3260** 3-pin mini Phoenix connector (J4). This connector will accept stranded or solid cables from 20 - 26 AWG.

4. Connect the power cable to the unit. The power connector has a sticker showing the correct polarity. **Be extra careful to connect positive to the (+) connector and negative to the (-) connector. Connecting the power with reversed polarity may permanently damage the unit! If in doubt, measure the power cable with a voltmeter to verify positive and negative.** The **IN9204** 9 VDC 500 mA power supply (included) will power one **IN3260.** You may also use the optional **IN9210** rack mounted power supply which will power up to 10 amplifiers. The power cable used to connect the power supply to the unit should be 18 gauge to 22 gauge, depending on the length of the cable. INLINE offers the **IN8500P-2** power cable, an 18 gauge, 2-conductor, plenum rated cable.

5. The factory default setting is auto power disabled (P3 jumper placed on left pin and center pin) meaning that the amplifier is powered up as long as 9VDC power is applied. If you want to use the auto power (unit automatically powers up when the input cable is attached), move the P3 jumper to cover the center pin and right pin (see illustration on previous page).

6. Carefully attach the **IN3260** to the outlet box making sure that no cables are pinched or damaged.

7. Turn the computer and computer monitor off. Disconnect the computer monitor (if present) from the video output port on the computer.

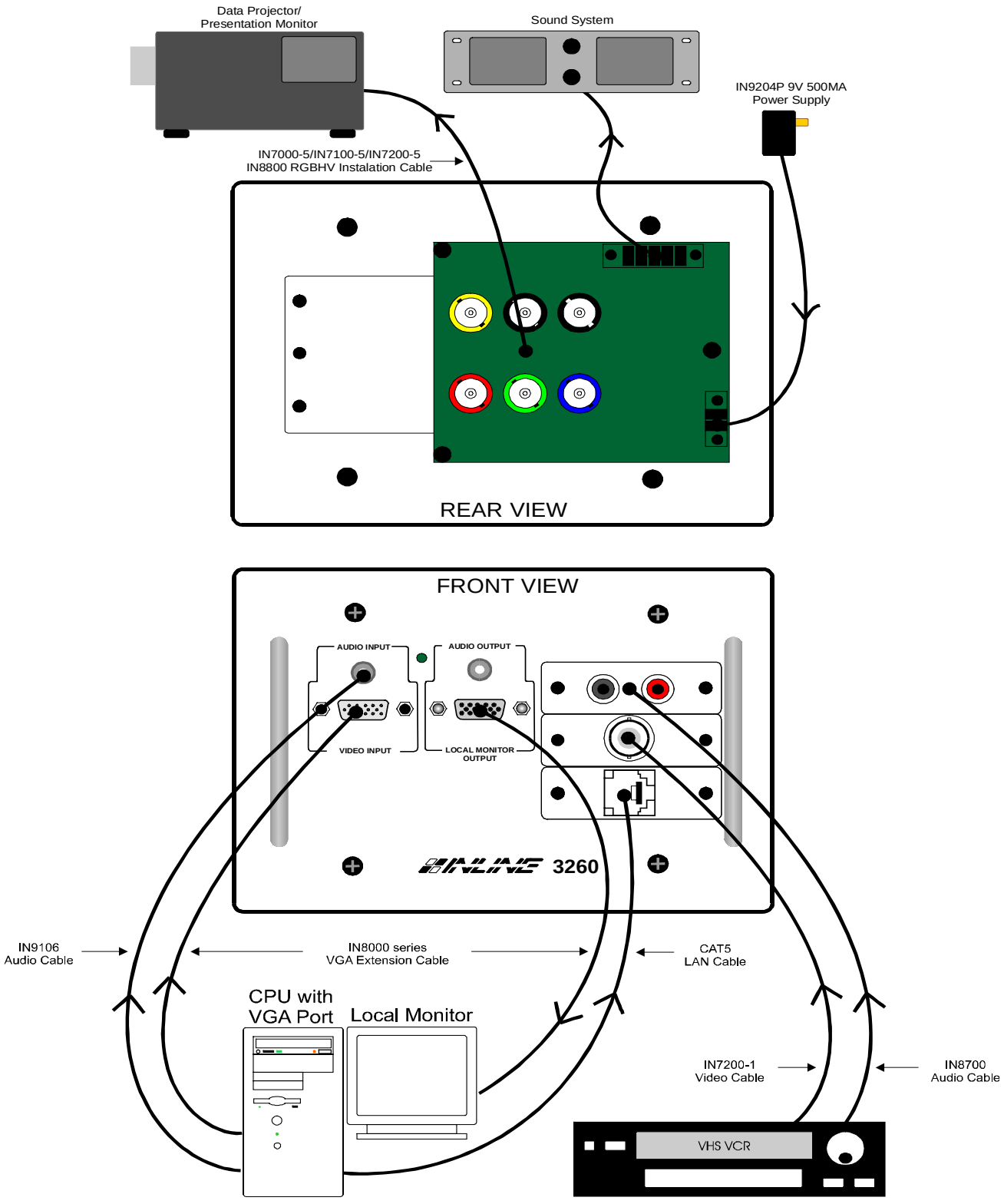
8. Connect the local computer monitor (if present) to the local monitor output of the **IN3260**. VGA monitors will attach directly to the local monitor output. For other types of monitors, use the appropriate local monitor output adapter cable (see list on page 13). No termination is required if the **IN3260** is use without a local monitor.

9. Connect the computer graphics card video output to the **IN3260** Input using the appropriate input cable (see list on page 13).

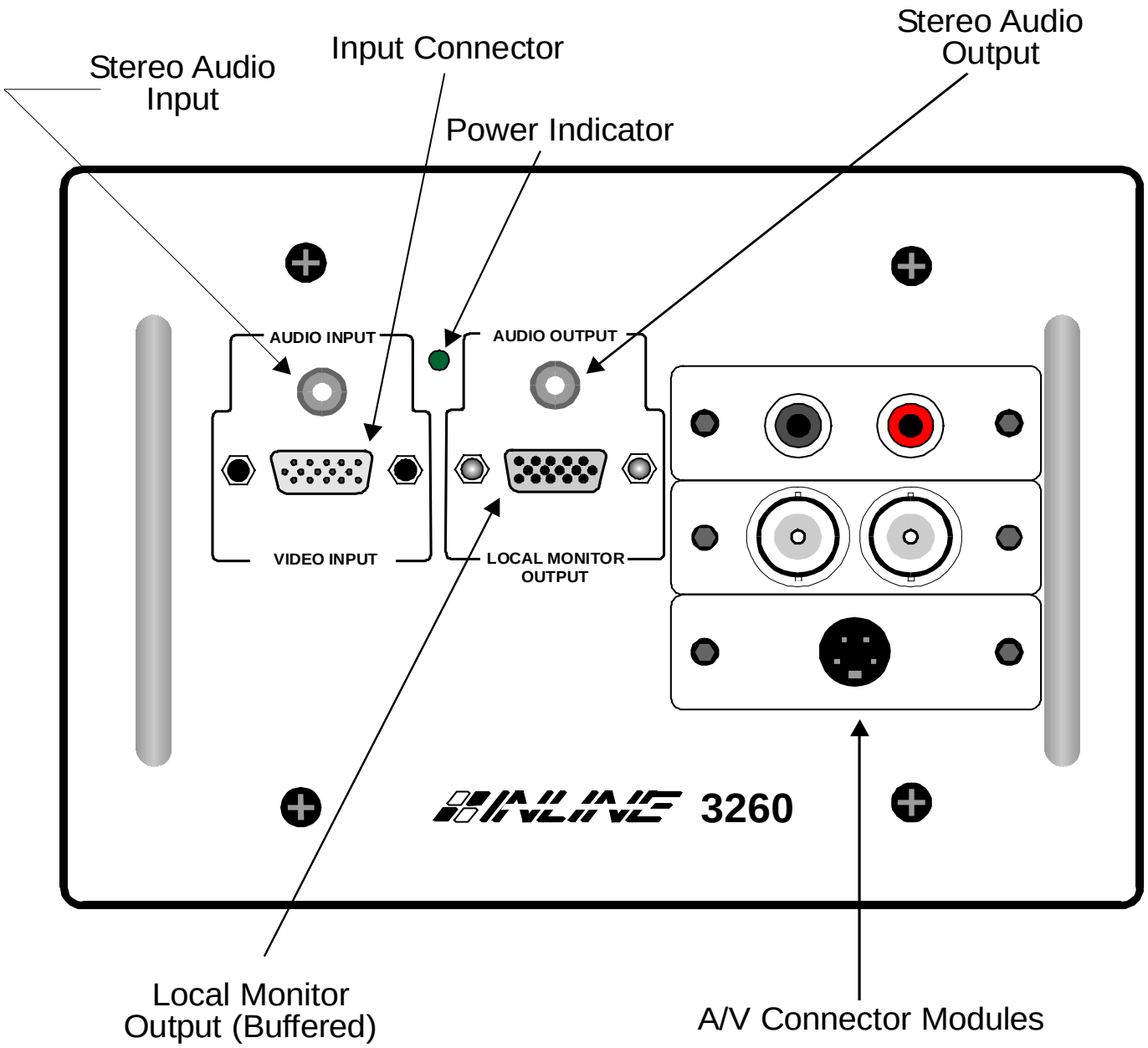
10. Connect the computer sound card output (if present) to the audio input connector using an **IN9106** audio patch cable. For computers with RCA connectors, use the **IN9107** audio adapter cable.

11. Complete the installation by turning the computer and computer monitor on.

IN3260 APPLICATION DIAGRAM



IN3260 FRONT PANEL CONNECTOR DIAGRAM



A/V CONNECTOR MODULES

Connector Module Black / White	Description	Type	Size
Video Modules			
IN9351B / IN9351W	(2) BNC Female	Barrel	Single
IN9352B / IN9352W	(1) 4-Pin Mini DIN Female (S-Video)	Installation	Single
IN9357B / IN9357W	(2) F-Connector Female	Barrel	Single
IN9363B / IN9363W	(1) 4-Pin Mini DIN Female (S-Video) (1) BNC Female Barrel	Barrel	Single
IN9381B / IN9381W	(1) BNC Female	Barrel	Single
IN9382B / IN9382W	(1) F-Connector Female	Barrel	Single
IN9383B / IN9383W	(1) RCA Female - White	Barrel	Single
IN9390B / IN9390W	4-Pin Mini DIN Female (S-Video)	Barrel	Single
IN9468B / IN9468W	(2) 4-Pin Mini DIN Female Barrel (S-Video)	Barrel	Single
IN9475B / IN9475W	(2) RCA Female to BNC Female Adapters	Barrel	Single
IN9476DB / IN9476DW	(1) 4-Pin Mini DIN (S-Video)	Quick Connect	Double
Audio Modules			
IN9353B / IN9353W	(2) RCA Female - Red / White	Installation	Single
IN9354B / IN9354W	(2) ¼" Stereo Phono Female	Installation	Single
IN9355B / IN9355W	(2) 3.5mm Mini Stereo Female	Installation	Single
IN9360B / IN9360W	(1) Contact Closure Switch (Single Pole) with Internal LED (1) 3.5mm Stereo Mini Female	Installation	Single
IN9365DB / IN9365DW	(1) XLR 3-Pin Female (Neutrik)	Installation	Double
IN9373B / IN9373W	(2) RCA Female - Red / White	Barrel	Single
IN9384B / IN9384W	(1) ¼" Stereo Phono Female	Installation	Single
IN9385B / IN9385W	(1) 3.5mm Mini Stereo Female	Installation	Single
IN9395DB / IN9395DW	(1) XLR 3-Pin Female (Switchcraft)	Installation	Double
IN9398DB / IN9398DW	(1) XLR 3-Pin Male (Cannon)	Installation	Double
IN9450B / IN9450W	(1) Mini XLR 3-Pin Male (Switchcraft)	Installation	Single
IN9451B / IN9451W	(2) Mini XLR 3-Pin Male (Switchcraft)	Installation	Single
IN9456B / IN9456W	(2) RCA Female - Red / White	Quick Connect	Single
IN9457B / IN9457W	(2) 3.5mm Mini Stereo Female	Quick Connect	Single
IN9458B / IN9458W	(1) 3.5mm Mini Stereo Female	Quick Connect	Single
IN9459B / IN9459W	(1) ¼" Stereo Phono Female	Quick Connect	Single
IN9460B / IN9460W	(1) Contact Closure Switch (Single Pole) with External LED (1) 3.5mm Mini Stereo Female	Quick Connect	Single
IN9463B / IN9463W	(1) Mini XLR 3-Pin Male (Switchcraft)	Quick Connect	Single
IN9473DB / IN9473DW	(1) 4-Pole Speakon Male (Neutrik)	Installation	Double
Audio / Video Modules			
IN9372DB / IN9372DW	A/V Super Module: (2) RCA Female - Audio: Red / White (1) RCA Female - Video: Yellow (1) 4-Pin Mini DIN Female - S-Video	Installation	Double
IN9376DB / IN9376DW	A/V Super Module: (2) RCA Female - Audio: Red / White (1) RCA Female - Video: Yellow (1) 4-Pin Mini DIN Female - S-Video	Barrel	Double
IN9377DB / IN9377DW	(2) RCA Female - Audio: Red / White (1) RCA Female - Video: Yellow	Installation	Double
IN9386B / IN9386W	(1) BNC Male (2) 3.5mm Stereo Mini Female	BNC: Barrel 3.5mm Mini: Installation	Single
IN9387B / IN9387W	(1) 4-Pin Mini DIN Female - S-Video (1) 3.5mm Stereo Mini Female	Installation	Single
IN9388B / IN9388W	(1) RCA Female - Video: Yellow (1) 3.5mm Stereo Mini Female	Installation	Single
IN9461DB / IN9461DW	A/V Super Module: (2) RCA Female - Audio: Red / White (1) RCA Female - Video: Yellow (1) 4-Pin Mini DIN Female - S-Video	Quick Connect	Double
IN9462DB / IN9462DW	(2) RCA Female - Audio: Red / White (1) RCA Female - Video: Yellow	Quick Connect	Double
IN9469B / IN9469W	(2) RCA Female - Audio: Red / White (1) RCA Female - Video: Yellow	Installation	Single

Connector Module Black / White	Description	Type	Size
Control / Computer Modules			
CTL131DB / CTL131DW	Remote IR Sensor	Quick Connect	Double
IN9356B / IN9356W	(1) 5-Pin Captive Screw Terminal	Installation	Single
IN9360B / IN9360W	(1) Contact Closure Switch (Momentary - Single Pole with LED) (1) 3.5mm Stereo Mini Female	Installation	Single
IN9361B / IN9361W	(1) 15-Pin HD Female	Barrel	Single
IN9362B / IN9362W	(1) 15-Pin HD Male	Barrel	Single
IN9364DB / IN9364DW	(1) XLR 4-Pin Female (Neutrik)	Installation	Double
IN9366DB / IN9366DW	(1) XLR 6-Pin Female (Neutrik)	Installation	Double
IN9374B / IN9374W	(1) 9-Pin D Female	Barrel	Single
IN9375B / IN9375W	(2) 6-Pin Mini DIN Female - Keyboard / Mouse	Barrel	Single
IN9378B / IN9378W	(1) 9-Pin D Male	Barrel	Single
IN9379B / IN9379W	(1) 6-Pin Mini DIN Female - Keyboard / Mouse	Installation	Single
IN9389B / IN9389W	(1) 6-Pin Mini DIN Female - Keyboard / Mouse	Barrel	Single
IN9391DB / IN9391DW	(1) XLR 5-Pin Female (Neutrik)	Installation	Double
IN9394DB / IN9394DW	(1) XLR 4-Pin Female (Switchcraft)	Installation	Double
IN9396DB / IN9396DW	(1) XLR 6-Pin Female (Switchcraft)	Installation	Double
IN9397DB / IN9397DW	(1) XLR 7-Pin Female (Switchcraft)	Installation	Double
IN9399B / IN9399W	(1) Mini XLR 6-Pin Male (Switchcraft)	Installation	Single
IN9452B / IN9452W	(1) Mini XLR 4-Pin Male (Switchcraft)	Installation	Single
IN9460B / IN9460W	(1) Contact Closure Switch (Momentary - Single Pole with LED) (1) 3.5mm Stereo Mini Female	Quick Connect	Single
IN9464B / IN9464W	(1) Mini XLR 4-Pin Male (Switchcraft)	Quick Connect	Single
IN9465B / IN9465W	(1) Rocker Switch (Latching - Single Pole), Max Voltage: 10A / 125VAC, 6A / 250VAC Approvals: UL / CSA	Installation	Single
IN9466B / IN9466W	(2) 6-Pin Mini DIN Female - Keyboard / Mouse	Installation	Single
IN9467B / IN9467W	(1) USB Connector	Quick Connect	Single
IN9470B / IN9470W	(1) Switch with Integral LED: (Latching, Single Pole, Single Throw) Max. Voltage: 5A / 125VAC, 3A / 250VAC Approvals: CSA	Installation	Single
IN9471B / IN9471W	(1) Switch: (Latching, Single Pole, Double Throw) Max. Voltage: 15A / 125VAC, 10A / 250VAC, 10A / 28VDC Approvals: CSA	Installation	Single
IN9472DB / IN9472DW	(1) Switch: (Latching, Double Pole, Double Throw) Max. Voltage: 15A / 125VAC, 10A / 250VAC, 10A / 28VDC Approvals: CSA	Installation	Double
Data / Phone Modules			
IN9358B / IN9358W	(1) RJ11 Female - Phone	Installation	Single
IN9358DB / IN9358DW	(1) RJ11 Female - Phone	Installation	Double
IN9359B / IN9359W	(1) RJ45 Female - Data	Installation	Single
IN9359DB / IN9359DW	(1) RJ45 Female - Data	Installation	Double
IN9453B / IN9453W	(1) RJ11 Female - Phone	Barrel	Single
IN9453DB / IN9453DW	(1) RJ11 Female - Phone	Barrel	Double
IN9454B / IN9454W	(1) RJ45 Female - Data	Barrel	Single
IN9454DB / IN9454DW	(1) RJ45 Female - Data	Barrel	Double
Blank Plate			
IN9350B / IN9350W	Blank Plate - Single		Single
IN9367DB / IN9367DW	Blank Plate - Double		Double
IN9368TB / IN9368TW	Blank Plate - Triple		Triple
IN9369QB / IN9369QW	Blank Plate - Quad		Quad
IN9474QB / IN9474QW	(1) Grommet - 1” ID		Quad

INLINE A/V Connector Modules are designed to work with: CIA 100 Series / IN2111 Series / IN2112 Series / IN2114 / IN2116 / IN2118 Interfaces; DAV151 VGA & Stereo Audio Line Drivers; TPT111 Twisted Pair Transmitters; IN3260 Video Distribution Amplifiers; IN9254 Rack Mount Ears for the CIA116 Interface; IN9166 / IN9167 / IN9168 Modular A/V Connector Plates; IN9172 Rack Mountable Modular A/V Connector Plates; IN9177 Table Mountable Modular Connector Bays; CPM115 / IN9179 / IN9180 Modular A/V Connector Plates (for Steel City® floor boxes)

Specifications

IN3260 Installation Distribution Amplifier	
Input	
Connector Type	(1) 15-pin HD male (female connector available upon request)
RGB Video Signal	Analog, 1.5 Vp-p max.
Input Terminations	75 ohms
Sync Signals	TTL compatible
Compatible Formats	RGBHV / RGBS / RGsB / RGBHVS
Horizontal Sync Range	15 to 130 KHz
Vertical Sync Range	30 to 120 Hz
Stereo Audio Input	3.5mm Stereo Mini Female, Unbalanced Audio
Output	
Buffered Local Monitor	15-pin HD female (male connector available upon request)
Main Output	Six (6) BNC female
Output Format	Same as Input - RGBHV / RGBS / RGsB / RGBHVS
Video Gain	1.0 / 1.2 / 1.4
Local Audio Output	3.5mm Stereo Mini Female, Unbalanced Audio
Main Audio Output	5-Pin Captive Screw Terminal, Unbalanced (Default) or Balanced
General	
Bandwidth	400 MHz @ -3 dB
Internal Jumpers	Local Monitor Output Gain, Main Output Gain, Audio Output Balanced / Unbalanced, Monitor Emulation Auto / Always Grounded
Power	
Power Supply	9 VDC, 500 mA
Dimensions	
Size (including J-Box)	4.5” x 6.4” x 2.6” / 11.4cm x 16.3cm x 6.6cm
Weight	Shipping: 4lbs. / 2 kg. Product: 2lbs. / 0.9 kg.
Regulatory Compliance	
Safety	UL 1950, CAN/CSA-22.2 No. 950, Third Edition
EMI	FCC class A; CE: EN55022 (1987), EN50081-1 (1991), EN50082-1 (1992 and 1994), EN60950-92

Parts Included
(1) IN3260 Installation Distribution Amplifier **(1) IN9204** External Power Supply **(1) IN9334** Allen Wrench **(1) IN9161** 3-Gang Junction Box - 2.5” Deep **(1) IN9154** ¾” EMT Conduit Coupler, Set-Screw Type

Required Accessories (Ordered Separately)
Input and Local Monitor Adapter and Extension Cables: **VGA: IN8000 Series** 15-pin HD male to 15-pin HD female, various lengths from 3' to 100' For Other Monitors: see the list on the following page

Optional Accessories
Power Equipment: **IN9210:** Rack mountable power supply, powers up to ten 9 VDC / 12 VDC devices **IN8500 Power Cable:** 18 Gauge, 2-Conductor power cable, bulk. *Note: When extending power distances of 50 feet or more, use 18 gauge (or thicker) power cable. Thinner cables may cause problems.*
Audio Input / Output Adapter and Extension Cables: **IN9106:** 3.5mm stereo mini male to 3.5mm stereo mini male, 6' long **IN9107:** (1) 3.5mm stereo mini male to (2) RCA male, 6' long
Installation Cables: **IN7000P-5 Series RGBHV Cable:** Standard Resolution, Plenum Cable available in bulk lengths **IN7000P-5K Series RGBHV Cable:** Standard Resolution, Plenum Cable available in 1000' bulk length **IN8800:** 18 Conductor Super High-Resolution Cable: (3) Super High-Res. Coax., (3) Mini Coax., (5) 26 Gauge Twisted Pairs, (1) Gauge Pair
Installation Accessories: **IN9162:** 3-Gang Junction Box, 3.5" Deep - For Use With **IN7200** Series Cables **IN9155:** ¾" Romex Connector, Cable Strain Relief

Coaxial Cables	**1-Conductor**	**3-Conductor**	**5-Conductor**
Standard Resolution			**IN7000-5**
Standard Resolution, Plenum			**IN7000P-5**
Super High Resolution		**IN7300-3**	**IN7300-5**
Super High Resolution, Plenum			**IN7400P-5**
Ultra High Resolution	**IN7200-1**	**IN7200-3**	**IN7200-6**

All cable grades are available in lengths from 3' to 250' pre-terminated with high quality BNC connectors or as bulk cable.

ADAPTER / EXTENSION CABLES FOR INPUT AND LOCAL MONITOR OUTPUT

The **IN3260** has 15-pin HD VGA-type input and local monitor output connector ports. The following cables / adapters are available:

Computer	3’	6’	12’	25’
VGA: 15-Pin HD				
Input Cable		**IN8006**	**IN8012**	**IN8025**
Output Cable (Optional		**IN8006**	**IN8012**	**IN8025**
MAC with 15-Pin D:				
Input Cable		**IN9140**		**IN9144**
Output Cable	**IN9141**			**IN9145**
MAC G3, G4 and PowerBook with 15-Pin HD*:				
Input Cable		**IN8006**	**IN8012**	**IN8025**
Output Cable		**IN8006**	**IN8012**	**IN8025**
SUN: 13W3 (may also be used with SGI with RGsB output)				
Input Cable		**IN9142**		**IN9146**
Output Cable	**IN9143**			**IN9147**
Workstation: 5 BNC / RGBHV				
Input Cable		**IN9046-L6**	**IN9046-L12**	**IN9046-L25**
Output Cable		**IN9045-L6**	**IN9045-L12**	**IN9045-L25**
Workstation: 4 BNC / RGBS				
Input Cable		**IN9100**		

*Newer Mac G3 models (with translucent cases) have 15-Pin HD connectors (pins arranged in 3 rows). Older G3 models (with solid white enclosures) incorporate 15-Pin D connectors (pins arranged in 2 rows).

Troubleshooting

Problem: The display device connected to the IN3260 output has a bad/scrambled image.

Solution 1: Verify that the correct input cable is being used (see the table on the previous page).

Solution 2: The display device connected to the output of the interface may not be compatible with the computer output. Standard 640 x 480 VGA runs at 31.5 KHz, but SVGA can be as high as 48 - 58 KHz depending on the vertical refresh rate. PC, MAC, Sun and other high resolution workstations have new ultra high resolution modes such as 1600 x 1200 and 1800 x 1440 and can output a video signal with a horizontal scan rate of over 100 KHz! Many data monitors and data projectors are not compatible with these resolutions and frequencies.

Solution 3: The RGBS or RGBHV cable may have a bad sync line. Try running the sync through another cable (i.e. temporarily use the red coax to connect the sync).

Problem: The local monitor looks fine but the image on the LCD projector is wavy or has vertical bars in the picture.

Solution 1: LCD / DMD displays often have an adjustment called Phase Adjust or Fine Phase Control. This control should be adjusted to provide the best image.

Problem: The output image is doubled, with two images displayed side-by-side.

Solution: The display device may not be compatible with the horizontal scan rate of the computer. This problem often occurs when a 31.5 KHz VGA signal is sent into an RGB monitor that is only compatible with signals at 15.75 KHz.

If problems persist, call INLINE Technical Services at (714) 450-1800 for further assistance. You may also send email to tech@inlineinc.com. or send a fax to (714)450-1850.

Warranty

- INLINE warrants the equipment it manufactures to be free from defects in materials and workmanship.

- If equipment fails because of such defects and INLINE is notified within three (3) years from the date of shipment, INLINE will, at its option, repair or replace the equipment at its plant, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications.

- Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of re-shipment to the Buyer.

- **This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.**

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