

# Preliminary Operation Manual



## IN3600 Series 6-Input Switchers

IN3606 RGBS Switcher

IN3654 / IN3656 RGBHV Switchers

IN3666 VGA Switcher





## Installation and Safety Instructions

### *For Models without a Power Switch:*

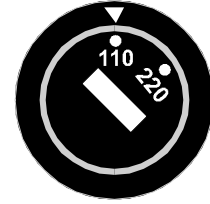
The socket outlet shall be installed near the equipment and shall be accessible.

### *For Models with 110 / 220V Power Selector:*

**Caution:** Before applying power to this unit, the voltage selector must be set to the appropriate setting to match local A/C line voltage. Improper setting of the voltage selector may cause damage to the unit and create a potential fire hazard.

The voltage selector is a round switch located next to the A/C power input connector which looks like this:

Using a straight slot screwdriver or small coin, rotate the selector to the correct position so that the arrow lines up with 110 or 220 as appropriate for local power line voltage as indicated in the chart below:



Local A/C Voltage	Voltage Selector Setting
110 ~ 120 VAC	110
220 ~ 240 VAC	220

### *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.

### *For IN2001 / IN3234 / IN3236 / IN3502 / IN3504 / IN3506 / IN3562 / IN3564 / IN3566 / IN3572 / IN3574 / IN3576:*

**Caution:** Double pole / neutral fusing.

### *For all Models with Integral Lithium Battery:*

**Caution:** Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.



## Instructions d'installation et de sécurité

### *Pour les modèles sans interrupteur de courant:*

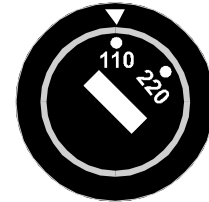
La prise de courant d'alimentation sera installé près de l'équipement et sera accessible.

### *Pour les modèles avec un sélecteur d'alimentation 110V/220V:*

**Attention:** Avant de connecter l'appareil au circuit d'alimentation, le sélecteur de courant doit être positionné sur la sélection appropriée correspondant au voltage du circuit de courant alternatif local. Une mauvaise sélection peut engendrer des dommages à l'appareil et créer un danger d'incendie.

Le sélecteur d'alimentation est un commutateur rond positionné près du connecteur d'alimentation. Il se représente comme suit:

A l'aide d'un tourne-vis plat ou d'une pièce de monnaie, le sélecteur peut être tourné dans la position adéquate en veillant que la flèche corresponde avec 110 ou 220, en fonction de la valeur du circuit de courant local. (Voir tableau ci-dessous)



Circuit local AC	Position Sélecteur
110 ~ 120 VAC	110
220 ~ 240 VAC	220

### *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.

### *Pour IN2001 / IN3234 / IN3236 / IN3502 / IN3504 / IN3506 / IN3562 / IN3564 / IN3566 / IN3572 / IN3574 / IN3576:*

**Attention:** Double pôle / fusible au neutre.

### *Pour tout les modèles avec une batterie au lithium interne:*

**Attention:** Danger d'explosion si la batterie est incorrectement remplacée. Ne remplacez la batterie qu'avec le même modèle, ou avec un modèle recommandé par le constructeur. Traitez les batteries usagées selon les instructions du fabricant, ou selon les normes écologiques en vigueur.



## Installations und Sicherheitshinweise

### Für Geräte ohne Netzschalter:

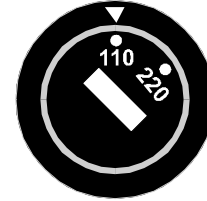
Die Netzsteckdose soll in der Nähe des Gerätes installiert und frei zugänglich sein.

### Für Geräte mit 110 / 220V Spannungswähler:

**Achtung:** Bevor Sie dem Gerät Spannung zuführen, muß der Spannungswähler entsprechend der Spannung des lokalen Wechselspannungsnetzes eingestellt werden. Die falsche Stellung des Spannungswählers kann eine Beschädigung des Gerätes und möglicherweise ein Feuer verursachen.

Der Spannungswähler ist ein runder Schalter in der Nähe der Netzeingangsbuchse mit folgendem Aussehen:

Drehen Sie den Wähler mit einem normalen Schraubenzieher oder einer kleinen Münze so, daß der Pfeil auf die 110 oder 220 zeigt, entsprechend der Spannung Ihres lokalen Netzes wie hier angezeigt:



Lokale Netzwechselspannung	Stellung des Spannungswählers
110 ~ 120 V	110
220 ~ 240 V	220

### 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.

### Für IN2001 / IN3234 / IN3236 / IN3502 / IN3504 / IN3506 / IN3562 / IN3564 / IN3566 / IN3572 / IN3574 / IN3576:

**Achtung:** Allpolige Absicherung

### Für alle Geräte mit eingebauter Lithium Batterie:

**Achtung:** Explosionsgefahr bei falschem Batterieeinsatz. Batterie nur ersetzen durch den gleichen oder entsprechenden Typ wie vom Hersteller empfohlen. Entsorgung verbrauchter Batterien nur nach den Anweisungen des Herstellers.



## Instalacion E Instrucciones de Seguridad

### Modelos Sin Interruptor:

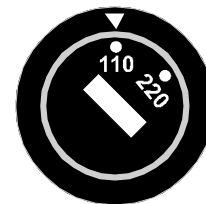
La conexión debe ser instalada cerca del equipo y debe ser accesible.

### Modelos con Selector de Voltaje de 110/220V:

**Precaución:** Antes de operar esta unidad, el selector de voltaje debe instalarse de forma que corresponda a la línea de voltaje local. Instalación inadecuada del selector de voltaje puede causar daño a la unidad y originar un incendio.

El selector de voltaje es un cambio vía redondo localizado cerca de la conexión eléctrica, como se ve en el dibujo:

Use un destornillador común o una moneda pequeña, mueva el selector a la posición correcta, de forma que las flechas indiquen 110 o 220 de acuerdo con el voltaje local, como está indicado a continuación.



Voltaje Local A/C	Selector de Voltaje
110 ~ 120 VAC	110
220 ~ 240 VAC	220

### Para Todos Los Modelos:

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

### Modelos con Fusibles Internos o Externos:

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

### Modelos IN2001 / IN3234 / IN3236 / IN3502 / IN3504 / IN3506 / IN3562 / IN3564 / IN3566 / IN3572 / IN3574 / IN3576:

**Precaución:** Double Polo / Fusible Neutral.

### Modelos con Batería de Lithium Interna:

**Precaución:** Peligro de explosión si la batería es reemplazada incorrectamente. Reemplace solamente con la misma clase de batería, o una equivalente recomendada por el fabricante. Deseche las baterías usadas de acuerdo con las instrucciones del fabricante.

**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.**

**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.

## DESCRIPTION

The **IN3600 Series** includes four high performance analog video switchers with four or six inputs and one output. The **IN3600 Series** switchers are designed to route several high resolution source signals to an attached desktop data monitor, presentation monitor or data projector. Users may select the desired input channel using front panel buttons or via remote control using an optional wired remote or control system. The **IN3600 Series** has six front panel buttons that may be used to select the desired input channel. Any time the unit is powered up, Input 1 is automatically selected. All non-selected channels are terminated to 75 Ohms. The output signal may be blanked (no input selected) by pressing the Blank button. Returning to normal operation (or un-blanking) is accomplished by pressing the Blank button again. Input channels may also be selected remotely by using an optional **IN3590** wired remote or a control system (see **Remote Control Operation** on page 4 for more details). The **IN3600 Series** Switchers offer easy operation and the following features:

- ◆ 300 MHz Bandwidth - switchers route ultra-high resolution video signals with no signal loss
- ◆ Design ensures compatibility with a wide range of video and audio signals
- ◆ Front Panel Channel Selection Controls and LED Indicators
- ◆ Contact Closure control port for remote selection of input channel
- ◆ Wide flexibility in programming for various configurations.

## COMPATIBILITY

The **IN3606 / IN3656 / IN3666** switchers are active devices which will switch a wide variety of signals. The four switcher models are very similar in operation and have the following differences:

Model	Input / Output Connectors	Number of Discrete Signal Paths	Signal Compatibility
<b>IN3606</b>	(4) Female BNC	4	RGBS, RGsB, Component, Y/C, Composite Video, Composite Monochrome with Sync
<b>IN3554/ IN3656</b>	(5) Female BNC	5	RGBHV, RGBS, RGsB, Component, Y/C, Composite Video, Composite Monochrome with Sync
<b>IN3666</b>	15-Pin HD	6	RGBHVS, RGBHV, RGBS, RGsB, Component, Y/C, Composite Video Composite Monochrome with Sync

## INSTALLATION

This section offers step-by-step instructions for installing **IN3600 Series** switchers.

1. Connect all sources to the input connectors. Unused inputs do not need to be terminated.
2. An interface may be required for each computer video signal source in order to split off a signal for each local monitor, bring all signals into the appropriate format, and amplify the signal to compensate for long input/output cable runs.
3. Connect the **IN3600 Series** switcher output to the display device.
4. Apply AC power to the unit.

It is very important that all input / output connections be made utilizing high resolution coaxial cables. Proper cable selection is critical to overall system performance, especially when working with high frequency signals and/or long cable runs. The **IN7000**, **IN7200** or **IN7300 Series** cables (available with 4 or 5 BNC connectors) or **IN8000 Series** VGA extension cables are recommended for best results.

## OPERATION

### Power Switch

The POWER switch is located on the back of the unit. When power is turned on, the unit will default to Input 1 and the Input 1 LED will light to indicate that the unit is active. When powering up several units that are linked together in a Master/Slave arrangement, it is required that either all units be powered on simultaneously or that the Master unit be powered on last. This is to allow the Master unit to poll all Slave units to determine how many are used in a multiple unit system.

### Modes of Operation

The **IN3600 Series** switchers provide various modes of operation. These modes include:

#### ◆ Manual Mode

In the Manual Mode, inputs from a single or multiple set of units are accessed by pressing the corresponding front panel switch for that input. In this mode, RGB delay and Vertical Interval Switching can be enabled. (See Programming Options)

#### ◆ Scan Mode

In the Scan Mode, the unit switches between inputs at a specified time period. The time period is programmable in 2.5 second increments up to 37.5 seconds. When the Blank button is used, all scanning stops and individual inputs can be selected and viewed. When Blank is depressed again, scanning will resume at the input it last left off at. In this mode, RGB delay and Vertical Interval Switching are disabled.

#### ◆ Autoswitching Mode

In the Autoswitching Mode, all inputs are scanned for active signals. The highest number input with an active signal is switched to the output. (i.e. If inputs 2,3 and 4 have active inputs, input 4 will be switched to the output.)

In all modes, the following options are available:

- ◆ Blank = nothing or sync
- ◆ Front Panel = enabled or disabled
- ◆ RS232 communication baud rates of 1200, 2400, 4800 or 9600

## Programming Options

### ◆ RGB Delay

Only H and V inputs of a particular input is switched immediately. This is to allow for resizing and syncing of monitors before the RGB picture elements are sent. The RGB inputs are switched a time period afterwards. This time period is programmable in half second increments from one half second to 7.5 seconds. (See Programming Procedures)

### ◆ Vertical Interval Switching

Switching between inputs occurs during the vertical interval sync pulse therefore eliminating screen jitter while switching.

## Programming Procedures

There are two ways of programming the **IN3600 Series**. One is by RS232 communications, the other by power up settings. Power up settings are accomplished by holding a particular input button while simultaneously powering up the unit.

## POWER ON SETTINGS

### To Reset Unit to Factory Defaults - Hold down INPUT 1 button during power-up.

The default settings are:

- Front Panel enabled
- Vertical Interval Switching off
- Master Switcher
- 1200 baud
- “[ ]” command codes
- Manual Switching (Scan off)
- Blank sends nothing to output

### To Set Miscellaneous Functions - Hold down INPUT2 button during power-up:

- A. BLANK LED goes solid
- B. Letting go of INPUT2, BLANK LED flashes
- C. Switches INPUT1 through INPUT4 are toggling options:
  - INPUT1 on = Vertical Switching on off = Vertical Switching off
  - INPUT2 on = Front Panel disabled off = Front Panel enabled
  - INPUT3 on = Auto Switching on off = Auto Switching off
  - INPUT4 on = Sync on Blank off = Nothing on Blank
- D. Depressing BLANK button saves this part of configuration and Blank LED flashes slower
- E. Switches INPUT1 and INPUT2 are alternate action selections:
  - INPUT1 on = Master mode
  - INPUT2 on = Slave mode
- F. Depressing BLANK button saves this part of configuration and Blank LED turns off.

**To set Input Scan Options - Hold down INPUT3 button during power-up:**

- A. BLANK LED goes solid
- B. Letting go of INPUT3, BLANK LED flashes
- C. Press one of the INPUT buttons to select inputs to scan:
  - INPUT1                    Disable scanning (If entered, skips to end)
  - INPUT2                    Scan Inputs 1 to 2
  - INPUT3                    Scan Inputs 1 to 3
  - INPUT4                    Scan Inputs 1 to 4
  - (And for the IN3656 switcher:)
  - INPUT5                    Scan Inputs 1 to 5
  - INPUT6                    Scan Inputs 1 to 6
 (INPUT1 LED will go on to show scan enabled and 2-6 LED will go on to show to what input)
- D. The BLANK LED now flashes at a slower rate
- E. Switches INPUT1 through INPUT4 are toggling options:
  - INPUT1                    Add 2.5 seconds of scan delay
  - INPUT2                    Add 5.0 seconds of scan delay
  - INPUT3                    Add 10.0 seconds of scan delay
  - INPUT4                    Add 20.0 seconds of scan delay
  - (Up to 37.5 seconds of delay can be programmed in)
- F. Depressing BLANK button saves configuration and Blank LED goes off

**To set RGB Delay Options - Hold down INPUT4 button during power-up:**

- A. BLANK LED goes solid
- B. Letting go of INPUT4, BLANK LED flashes
- C. Switches INPUT1 through INPUT4 are toggling options:
  - INPUT1                    Add 0.5 second of RGB delay
  - INPUT2                    Add 1.0 seconds of RGB delay
  - INPUT3                    Add 2.0 seconds of RGB delay
  - INPUT4                    Add 4.0 seconds of RGB delay
  - (Up to 7.5 seconds of delay can be programmed in)
- D. Depressing BLANK button saves configuration and Blank LED goes off

**To set RS-232 Serial Control Baud Rate - Hold down BLANK button during power-up :**

- A. BLANK LED goes solid
- B. Letting go of BLANK, BLANK LED flashes
- C. Switches INPUT1 through INPUT4 select baud rate:
  - INPUT1 on = 1200 baud
  - INPUT2 on = 2400 baud
  - INPUT3 on = 4800 baud
  - INPUT4 on = 9600 baud
- D. Depressing BLANK button saves configuration and Blank LED goes off

Calling these up will also show present settings. (i.e. INPUT2 settings, INPUT2 LED may be on showing that the front panel is already enabled)

## RS232 Commands

Programming and information polling is also possible by RS232 communication through the RS232 connector on the back of the unit. Connection is made via an **IN9317** connector wired to either a 9-pin D or 25-pin D connector. The input labeled GND (pin2) goes to either pin 7 of a 25 pin connector or pin 5 of a 9 pin. The input labeled TX (pin1) goes to either pin 3 of a 25 pin connector or pin 2 of a 9 pin connector. The input labeled RX (pin3) goes to either pin 2 of a 25 pin connector or pin 3 of a 9 pin connector. Default communication settings are 8 bits, 1 stop bit, no parity and 1200 baud. All commands sent to the unit must be enclosed in brackets. When linking units together, up to four units can be programmed with different brackets for an ID when communicating with all units. Possible brackets are [ and ], { and }, ( and ), < and >. The default brackets are [ and ]. So a command sent to the unit would look like: [BLANK0]. Letters are not case sensitive and can be written as BLANK or blank. Possible commands are:

ACI3	Set to 1200 Baud		
ACI4	Set to 2400 Baud		
ACI5	Set to 4800 Baud		
ACI6	Set to 9600 Baud		
BLANK0	Blank Output (Same as Blank key)		
BLANK1	Un-Blank Output (Return to previous channel)		
BLANKB	Set for BLANK=BLANK		
BLANKS	Set for BLANK=SYNC		
CH0	Select Blank (Same as Blank0)		
CH1,2,3,4,5,6	Select Channel 1,2,3,4,5,6		
CMDCD0,1,2,3	Set unit for commands with [ ], { }, ( ) or < > respectively		
FP	Front Panel Enable/Disable Toggle		
FP0	Front Panel Disable		
FP1	Front Panel Enable		
INF0	Display Model Number and Software Version		
INF1	Display Current Channel		
INF2	Display all setup parameters		
Mode0	Manual Mode		
Mode1	Autoswitching		
Mode2	Turn on Vertical Switching		
Mode3	Turn off Vertical Switching		
Mode4	Set as Master		
Mode5	Set as Slave		
RGBx	x=RGB Delay Time (i.e. [RGB2.5] )		
	Possible allowable times are:	0.5 seconds	1.0 seconds
		2.0 seconds	2.5 seconds
		3.5 seconds	4.0 seconds
		5.0 seconds	5.5 seconds
		6.5 seconds	7.0 seconds
			1.5 seconds
			3.0 seconds
			4.5 seconds
			6.0 seconds
			7.5 seconds
Scan0	Disable Scanning		
Scan1	Enable Scanning		
Scan2,3,4,5,6	Scan to Channels 2,3,4,5,6		

ScantX	X=Scan Time between Channels (i.e. [SCANT12.5] would set the scan time to 12.5 seconds)			
	Possible allowable times are:	2.5 seconds	5.0 seconds	7.5 seconds
		10.0 seconds	12.5 seconds	15.0 seconds
		17.5 seconds	20.0 seconds	22.5 seconds
		25.0 seconds	27.5 seconds	30.0 seconds
		32.5 seconds	35.0 seconds	37.5 seconds

## REMOTE CONTROL OPERATION

The **IN3600 Series** switchers have a REMOTE CONTROL port which allows these units to be remotely controlled. Channels can be selected through the remote port by providing contact closures between the appropriate pins. The port also includes a +5V power supply and tally outputs. Several contact closure type control devices are available including:

**IN3590** - An optional hard wired remote designed to work with **IN3600 Series** switchers.

**IN6901 / IN6902 RS232 to Contact Closure Converters** - allow **IN3600 Series** switchers and other **INLINE** devices with contact closure control ports to be controlled by RS232 sources such as control systems and computer serial ports.

**Control System** - many control systems are capable of providing contact closures.

### Control Parameters

In order to select a channel, the channel select pin (pins 1 - 6) must be connected to Common (pin 7 or 8). The contact closures may be momentary or continuous (latching).

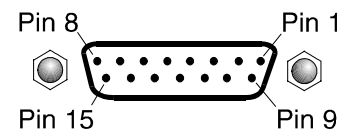
*Example:* To switch to Input Channel #4, apply a contact closure between Pin 4 and Pin 7.

### Tally Output

The REMOTE CONTROL port also provides tally outputs (pins 10 - 15) which may be used to trigger other devices, provide feedback to a control system, or light indicator lights on a custom remote control panel. When a channel is selected, either from the front panel or through the REMOTE CONTROL port, the Tally Output for that channel is switched on. The Tally Output can switch voltages of up to 50 volts and current up to 1.5 amps.

### Control Port Pin Outs

The REMOTE CONTROL port is a Female 15 Pin D connector with the following pin outs:



Pin 1	Select Channel 1	Pin 9	+5 volts DC
Pin 2	Select Channel 2	Pin 10	*Tally output for Channel 6
Pin 3	Select Channel 3	Pin 11	*Tally output for Channel 5
Pin 4	Select Channel 4	Pin 12	Tally output for Channel 4
Pin 5	Select Channel 5	Pin 13	Tally output for Channel 3
Pin 6	Select Channel 6	Pin 14	Tally output for Channel 2
Pin 7	Common	Pin 15	Tally output for Channel 1
Pin 8	Common		

## IN3546R STEREO AUDIO SWITCHER

The **IN3546R** Stereo Audio Switcher may be attached to the **IN3600 Series** via the REMOTE CONTROL port. This provides a +5V power supply for the **IN3546R** Switcher and a control link. When the **IN3546R** is attached to the control port using an **IN9112** control link cable, the **IN3546R** will automatically switch to the appropriate input channel, mirroring the input selected on the attached switcher and adding audio-follow-video capability to the switcher.

## SPECIFICATIONS

	IN3606	IN3654 / IN3656	IN3666
<b>Inputs</b>			
Connector type	(6) Sets of 4-BNC Female	(6) Sets of 5-BNC Female	(6) 15-Pin HD Male
Maximum Signal Components per Input	4	5	6
Signal Compatibility	RGBS, RGsB, Component, Y/C, Composite Video, Composite Monochrome with Sync	RGBHV, RGBS, RGsB, Component, Y/C, Composite Video, Composite Monochrome with Sync	RGBHVS, RGBHV, RGBS, RGsB, Component, Y/C, Composite Video, Composite Monochrome with Sync
<b>Output</b>			
Connector type	4-BNC Female	5-BNC Female	15-Pin HD Female
Bandwidth	300 MHz @ -3dB		
Isolation	60 dB @ 50 MHz	55 dB @ 75 MHz	50 dB @ 100 MHz
Switching Time	3.0 mS		
<b>Power</b>			
Voltage	110 / 220 - User Selectable		
Consumption	10 Watts		
<b>Dimensions</b>			
Size	Height: 4.4" / 11.2cm	Width: 8.5" / 21.6cm	Depth: 5.1" / 13.0cm
Weight	Product Weight: 4 lbs. / 1.8 Kg Shipping Weight: 6 lbs. / 3 Kg		
<b>Parts Included</b>	AC Power Cable (US Only) Operation Manual		

<b>Optional Accessories</b>	
Input / Output Cables	<b>IN7000 Series:</b> Standard Resolution Coaxial Cables with 4 or 5 BNC Connectors <b>IN7200 Series:</b> Ultra High Resolution Coaxial Cables with 4, 5 or 6 BNC Connectors <b>IN7300 Series:</b> Super High Resolution Coaxial Cables with 5 or 6 BNC Connectors <b>IN8000 Series:</b> VGA Extension Cables with (1) Male 15-Pin HD and (1) Female 15-Pin HD <i>All cable grades available in a variety of lengths from 6' to 250'</i>
Stereo Audio Switcher	<b>IN3546R Stereo Audio Switcher</b> – Featuring 6 Inputs and 1 Output, the <b>IN3546R</b> adds stereo audio - follow-video capabilities to <b>IN3600 Series</b> Switchers. The <b>IN3546R</b> attaches to the <b>IN3600 Series</b> REMOTE CONTROL port and receives both power and switching commands from the control port.
Control	<b>IN3590</b> Wired Remote Control with 25' Long Cable Allows Remote Channel Selection for <b>IN3600 Series</b> Switchers

## TROUBLESHOOTING

### **The display device connected to the switcher output has a bad/scrambled image.**

**Solution 1:** The display device connected to the output of the switcher may not be compatible with the computer output. 640 x 480 VGA runs at 31.5 KHz, but SVGA, XGA and SXGA modes can be as high as 48 - 80 KHz and higher depending on the refresh rate. MACII/Quadra computers sense what monitor is connected and configure themselves accordingly, with horizontal scan rates ranging from 24.48 to 68.9 KHz. Graphics workstations may put out frequencies as high as 82 KHz. Check the operation manual on both the computer graphics card and the display device to ensure that they are compatible.

**Solution 2:** The input or output cable may have a bad sync line. Try running the sync through another cable.

### **The unit does not pass any signals.**

**Solution:** Verify that the unit is getting power by any LED on the front. If the LED is not on, the AC power source may be faulty or the unit may have an internal problem.

### **When controlling the IN3600 Series switcher through the REMOTE CONTROL port, the image is blanked and no channel is being selected.**

**Solution:** The control system may be closing two contacts at the same time. Check the wiring on the control cable and the control system programming.

## 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 two (2) 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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