

MANUAL PART NUMBER: 400-0060-003 PRODUCT REVISION: 3

DA1906SX

1-IN, 3-OUT VGA DISTRIBUTION AMPLIFIER

USER'S GUIDE





Tel: 714-990-2300 • Toll-Free: 1-800-ALTINEX • FAX: 714-990-3303 • E-mail: solutions@altinex.com • Web: www.altinex.com

INTRODUCTION

Thank you for purchasing the **DA1906SX** distribution amplifier. We are sure you will find it to be reliable and useful product.

Superior performance for the right price backed by solid technical and customer support is what we have to offer.

The product you are holding in your hands is designed using state-of-the-art technology and is superior to anything available on the market. You will find this and our other products reliable, long lasting, and simple to operate.

We are committed to provide our customers with solutions to the most demanding audio-visual installations at very competitive pricing.

We appreciate your selection of our products and are confident that you will join the ranks of our many satisfied customers throughout the world.

This manual covers:

DA1906SX - 1-in 3-out VGA/SVGA/XGA Distribution Amplifier

TABLE OF CONTENTS

Page

PRECAUTIONS / SAFETY WARNINGS	2
GENERAL	2
RACK MONT SAFETY GUIDELINES	2
INSTALLATION	2
CLEANING	2
FCC / CE NOTICE	2
ABOUT YOUR DISTRIBUTION AMPLIFIER	3
TECHNICAL SPECIFICATION	3
DESCRIPTION OF DA1906SX	4
INPUT	4
OUTPUTS	4
TERMINATION SWITCH	4
MOUNTING THE DA1906SX	5
APPLICATION DIAGRAM	6
INSTALLING YOUR DISTRIBUTION	
AMPLIFIER	6
OPERATION	7
ACCESSORIES	7
FREQUENTLY ASKED QUESTIONS	8
TROUBLESHOOTING GUIDE	8
ALTINEX POLICY	9
LIMITED WARRANTY	9
RETURN POLICY	9
CONTACT INFORMATION	9





Tel: 714-990-2300 • Toll-Free: 1-800-ALTINEX • FAX: 714-990-3303 • E-mail: solutions@altinex.com • Web: www.altinex.com

PRECAUTIONS / SAFETY WARNINGS

Please read this manual carefully before using your **DA1906SX** Distribution Amplifier. Keep this manual handy for future reference. These safety instructions are to ensure the long life of your **DA1906SX** and to prevent fire and shock hazard. Please read them carefully and heed all warnings.

1.1 GENERAL

- Unauthorized personnel shall not open the unit since there are high-voltage components inside.
- Qualified Altinex service personnel, or its authorized representative must perform all service.

1.2 SAFETY GUIDELINES FOR THE RACK-MOUNTING OF THE DA1906SX

- Maximum operating ambient temperature is 35 (degrees C).
- Never restrict the airflow through the device's fan or vents.
- When installing equipment into a rack, distribute the units evenly. Otherwise, hazardous conditions may be created by an uneven weight distribution.
- Connect the unit to a properly rated supply circuit.
- Reliable Earthing (Grounding) of Rack-Mounted Equipment should be maintained.

1.3 INSTALLATION

- For best results, place the **DA1906SX** Distribution Amplifier on a flat, level surface in a dry area away from dust and moisture.
- To prevent fire or shock, do not expose this unit to rain or moisture. Do not place the **DA1906SX** Distribution Amplifier in direct sunlight, near heaters or heat radiating appliances, or near any liquid. Exposure to direct sunlight, smoke or steam can harm internal components.
- Handle the **DA1906SX** Distribution Amplifier carefully. Dropping or jarring can damage internal components.
- Do not place heavy objects on top of the DA1906SX. If the DA1906SX is to be mounted to a table or wall, use only Altinex made mounting accessories like mini mount-bracket (DA1295FC) and cables for optimum setup.

- To turn off main power, be sure to remove the Power Adapter from the power outlet. The power outlet socket should be installed as near to the equipment as possible, and should be easily accessible.
- Do not pull the cord of Power Adapter or any cable that is attached to the **DA1906SX** Distribution Amplifier.
- If the **DA1906SX** Distribution Amplifier is not used for an extended period of time, disconnect the Power (AC) Adapter from the power outlet.

1.4 CLEANING

1

 Unplug the DA1906SX AC Adapter from wall before cleaning. Clean surfaces with a dry cloth. Never use strong detergents or solvents such as alcohol or thinner. Do not use a wet cloth or water to clean the unit.

1.5 FCC / CE NOTICE

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This equipment 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 reasonable protection against harmful interference when the 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. mav cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
- Any changes or modifications to the unit not expressly approved by Altinex, Inc. could void the user's authority to operate the equipment.





ABOUT YOUR DISTRIBUTION AMPLIFIER 2

The **DA1906SX** is a 1 in 3 out distribution amplifier designed to allow the connection of a single VGA/ SVGA/ XGA/ UXGA source to up to three scan-rate compatible displays. Offering a video bandwidth of 350 MHz, the **DA1906SX** allows even very high-resolution video signals to pass without degradation to the image quality. The outputs of the **DA1906SX** allow signals to be driven through up to 100 feet of cable depending on the cable quality and the source signal resolution.

Compact and easy to use, the **DA1906SX** is perfect for small audio/visual installations where a single computer is connected to two or three computer monitors or data projectors. The **DA1906SX** has female 15-pin HD (VGA-type) connectors on all input and output connectors.

The **DA1906SX** can be used with readily available VGA-type cables. If desired, the input and/or outputs of the **DA1906SX** can be adapted easily to 5 BNC connectors. The **DA1906SX** is compatible with RGsB, RGBS, or RGBHV signals.

The **DA1906SX** is externally compact and can be mounted to furniture or other surfaces using optional hardware.

TECHNICAL SPECIFICATIONS

FEATURES/DESCRIPTION	DA1906SX
GENERAL	
No. of Inputs	One
Input Connector	15-pin HD Female
No. of Outputs	Two + One LOOP
Output Connectors	15-pin HD Female
Compatibility	high resolution
	RGBHV, RGBS, RGsB
	and RsGsBs

Table 1. DA1906SX General

MECHANICAL	DA1906SX
Material	0.1" AI
Finish	Gray
Top Panel	Lexan
Height (inches)	3.00in (76mm)
Width (inches)	4.50in (114mm)
Depth (inches)	1.00in (25mm)

0.40lbs (0.18kg)
2.4lbs (1.09kg)
10°C-35°C
50°C
90% non-condensing
40,000 hrs

Table 2. DA1906SX Mechanical

DA1906SX
1.5V p-p max
75 Ohms
TTL(+/-)
-0.3V
10k Ohms
Gain of 1.05 (+/-5%)
1.4
75 Ohms
TTL(+/-)
-0.3V
22 Ohms
380 MHz @ -3 dB
350 MHz @ -3 dB
15-200 kHz
47-180 Hz
DC
-40 dB @ 10 MHz
9V DC, 500 mA
4 watts max
DA1906SX
Х
Х
CB3703MR

Table 3. DA1906SX Electrical





DESCRIPTION OF DA1906SX

4.1 INPUT

The computer input connector of the **DA1906SX** is connected to the video output of the laptop or desktop computer. The **DA1906SX** is provided with a 3 foot Male to Male VGA input cable (ALTINEX part # **CB3703MR**). A longer input cable may be used but lengths over 15 feet are generally not recommended in order to preserve the signal quality. If desired, the HD-15 input can be adapted easily to 5-BNC connector outputs with a proper cable.

4

Often, laptop computers will require a "toggle command", which will instruct the laptop to output to the internal display, as well, as to the external video port simultaneously. You may need to check the user's manual for your laptop computer to determine this command.

The input is standard VGA compatible. MAC/SUN/SGI outputs can be used with the appropriate input cable.

PIN No.	Input signals on 15-pin HD female
	connector
1	Red
2	Green
3	Blue
4	ID Bit 0 (connected to Ground, when
	ID Bit 0 switch is ON)
5	Ground
6	Ground
7	Ground
8	Ground
9	No connection
10	ID Bit 1
11	ID Bit 2
12	ID Bit 3
13	Horizontal Sync
14	Vertical Sync
15	Not used

4.2 OUTPUTS

The **DA1906SX** has 3 buffered outputs with 15pin HD female connectors. Loop output is amplified output to attach a local monitor. The main output is for the distant presentation display (large screen monitor or LCD projector) up to 250 feet away. The main output is precompensated for optimal performance with 75 ft of Altinex super high-resolution VGA cable. If desired the outputs can be adapted easily to 5-BNC connectors with a proper cable.

PIN No.	Main Output signals on 15-pin HD female connector
1	Red
2	Green
3	Blue
4	No connection
5	Ground
6	Ground
7	Ground
8	Ground
9	Composite Sync
10	No connection
11	No connection
12	No connection
13	Horizontal Sync
14	Vertical Sync
15	Ground

PIN No.	Loop Output signals on 15-pin HD female connector
1	Red
2	Green
3	Blue
4	ID Bit 0
5	Ground
6	Ground
7	Ground
8	Ground
9	No connection
10	ID Bit 1
11	ID Bit 2
12	ID Bit 3
13	Horizontal Sync
14	Vertical Sync
15	No connection

4.3 TERMINATION SWITCH

The **DA1906SX** offers the ability to terminate the input with 75 ohms using a switch located on the side of the unit, next to the 15-pin HD input connector. This switch should normally be in the UP or "ON" position when used with straight VGA type cables. This will insure that the signal is properly terminated by the **DA1906SX**.

When a VGA "Y" cable (**MS8117CA**) is used with the **DA1906SX**, the Termination Switch



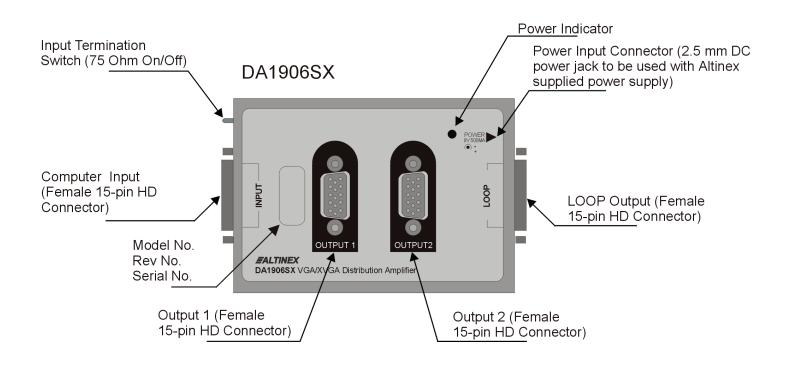


should be in the DOWN or "OFF" position if a monitor is attached, because the termination is made by the monitor. If a VGA "Y" cable is used, but <u>no local monitor is present</u>, the Termination Switch should be in the UP or "ON" position.

4.4 MOUNTING THE DA1906SX

To mount **DA1906SX**, the Altinex offers optional "L" shaped mini-brackets, **DA1295SX**, which provide wings on either side of the unit. The **DA1906SX** can be installed on a rack plate, furniture, or wall.

TOP VIEW OF DA1906SX

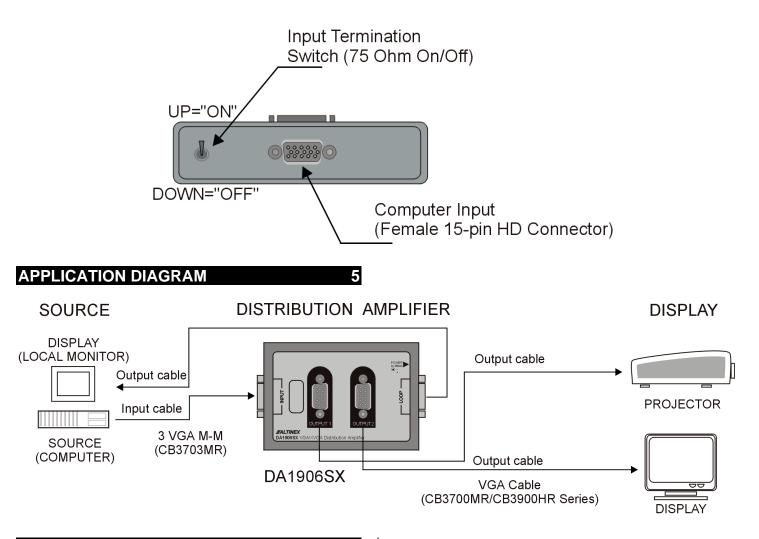




SIGNAL MANAGEMENT SOLUTIONS



SIDE VIEW OF DA1906SX



6

INSTALLING YOUR DISTRIBUTION AMPLIFIER

- Step 1. Connect the 9V 500-mA AC adapter's output plug to the DA1906X's power input connector 2.5 mm DC Jack. Verify that a red LED is displayed in the top right corner of the unit on the front panel.
- Step 2. Remove the protective port covers. Connect the video output from the computer to computer input connector on the DA1906X using the provided CB3703MR-3 feet input VGA cable. If a longer cable is required, please make

sure that the cable has video signal through coaxial component and that it is not excessively long.

- **Step 3.** Connect monitors or projectors to the outputs of the **DA1906SX** using the appropriate VGA type cables or adapter cables.
- Step 4. Check position of Termination Switch. Ensure the proper setting by closely examining the image quality as described section 4.3. in An unterminated image will appear too bright and may cause colors to blur and text to appear unreadable.



SIGNAL

MENT



Tel: 714-990-2300 • Toll-Free: 1-800-ALTINEX • FAX: 714-990-3303 • E-mail: solutions@altinex.com • Web: www.altinex.com

- **Step 5.** Verify that the picture quality on all displays is good. If you are not receiving a signal, make sure that the display is compatible with the resolution of the computer graphics card.
 - Note:

High levels of static discharge under some conditions may shutdown the unit. To reset the unit simply, disconnect the input cable and reconnect it back.

CONGRATULATIONS! YOU ARE DONE.

If you experience any problems, please call 1-800-258-4623 or 1-714-990-2300 for international calls.

OPERATION

The settings of the **DA1906SX** Distribution Amplifier can be adjusted using the Termination Switch as described in Section no. 4.3. There are no other adjustments necessary to operate the unit. The **DA1906SX** will operate successfully as long as cables are attached properly and other specifications are followed.

Model No.	Description	
	TERMINATION PLUGS	
MS8000TP	15-pin HD VGA	
MS8144MG	15-pin HD (M) to 15-pin HD (M)	
MS8145MG	15-pin HD (F) to 15-pin HD (F)	
	RACK MOUNTING BRACKETS	
DA1295SX	Rack/Wall mount mini-brackets for	
	DA1900 series distribution amplifiers (2	
	- "L" shaped brackets)	
INPUT	STANDARD 15 PIN VGA MALE TO	
CABLES	MALE (COAXIAL TYPE CABLE	
	INTERNALLY)	
CB3703MR	3 ft	
CB3706MR	6 ft	
CB3715MR	15 ft	
CB3725MR	25 ft	
CB3750MR	50 ft (Super High Resolution Coaxes)	
CB3775MR	75 ft (Super High Resolution Coaxes)	
CB37100MR	100 ft (Super High Resolution Coaxes)	
CB37150MR	150 ft (Super High Resolution Coaxes)	
OUTPUT	STANDARD 15 PIN VGA MALE TO	
CABLES	FEMALE (COAXIAL TYPE CABLE	
	INTERNALLY)	
CB3903HR	INTERNALLY) 3 ft	
	INTERNALLY) 3 ft 6 ft	
CB3903HR	INTERNALLY) 3 ft 6 ft 15 ft	
CB3903HR CB3906HR	INTERNALLY) 3 ft 6 ft 15 ft 25 ft	
CB3903HR CB3906HR CB3915HR	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes)	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes)	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes)	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes)	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA MS8104CA MS8105CA	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft 15 pin HD Male to 5 BNC Male, 15ft 15-pin HD Male to 5 BNC Male, 50 ft 15 pin HD Male to 5 BNC Female, 6 ft	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA MS8102CA MS8104CA MS8106CA MS8106CA	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft 15 pin HD Male to 5 BNC Male, 15ft 15 pin HD Male to 5 BNC Male, 50 ft 15 pin HD Male to 5 BNC Female, 6 ft 15 pin HD Female to 5 BNC Male, 6ft	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA MS8104CA MS8105CA	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft 15 pin HD Male to 5 BNC Male, 15ft 15 pin HD Male to 5 BNC Male, 50 ft 15 pin HD Male to 5 BNC Female, 6 ft 15 pin HD Female to 5 BNC Male, 15ft	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA MS8102CA MS8104CA MS8106CA MS8106CA	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft 15 pin HD Male to 5 BNC Male, 15ft 15 pin HD Male to 5 BNC Male, 50 ft 15 pin HD Male to 5 BNC Female, 6 ft 15 pin HD Female to 5 BNC Male, 15ft 15 pin HD Female to 5 BNC Male, 15ft POWER CABLES	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA MS8104CA MS8104CA MS8106CA MS8112CA MS8112CA MS8114CA PC5301US	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft 15 pin HD Male to 5 BNC Male, 15ft 15 pin HD Male to 5 BNC Male, 50 ft 15 pin HD Male to 5 BNC Female, 6 ft 15 pin HD Female to 5 BNC Male, 15ft 15 pin HD Female to 5 BNC Male, 15ft 15 pin HD Female to 5 BNC Male, 15ft POWER CABLES Power cable for US	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA MS8104CA MS8104CA MS8105CA MS8106CA MS8112CA MS8114CA	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft 15 pin HD Male to 5 BNC Male, 15ft 15 pin HD Male to 5 BNC Male, 50 ft 15 pin HD Male to 5 BNC Female, 6 ft 15 pin HD Female to 5 BNC Male, 6ft 15 pin HD Female to 5 BNC Male, 6ft 15 pin HD Female to 5 BNC Male, 15ft POWER CABLES Power cable for US Power cable for England	
CB3903HR CB3906HR CB3915HR CB3925HR CB3950HR CB3975HR CB39100HR CB39150HR MS8102CA MS8104CA MS8104CA MS8106CA MS8112CA MS8112CA MS8114CA PC5301US	INTERNALLY) 3 ft 6 ft 15 ft 25 ft 50 ft (Super High Resolution Coaxes) 75 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 100 ft (Super High Resolution Coaxes) 150 ft (Super High Resolution Coaxes) VGA TO RGB ADAPTOR CABLES 15 pin HD Male to 5 BNC Male, 6ft 15 pin HD Male to 5 BNC Male, 15ft 15 pin HD Male to 5 BNC Male, 50 ft 15 pin HD Male to 5 BNC Female, 6 ft 15 pin HD Female to 5 BNC Male, 15ft 15 pin HD Female to 5 BNC Male, 15ft 15 pin HD Female to 5 BNC Male, 15ft POWER CABLES Power cable for US	



8

No: Question Answer 1 When using In some cases there may be a loop a need for longer cables, but lengths over 12 ft are output as output 3? generally not recommended. How far can I run the signal? 2 Are outputs Yes, the **DA1906SX** has 1 & 2? three Individually buffered outputs. 2 Is input The **DA1906SX** may be used with two types of input cables cable type - VGA Y-type cables and important when I use straight VGA Male to Male cables. Altinex recommends the **DA1906SX**? straight input VGA cable. 3 May I use You can not use cat 5 cable cat 5 cable instead of coaxial cable, instead of because the quality of received signal will be lost. coaxial Since there is no isolation on cable? each wire, the signals will interfere with each other.

It is not recommended, since

one power supply is supplied

consider the PS5581SM. a

with each unit. Please

FREQUENTLY ASKED QUESTIONS

	through the DA1906SX ?	
3	If I'm not using Loop Output, do I have to do anything?	No, you can leave loop output unterminated.

TROUBLESHOOTING GUIDE

9

10

- Please make sure that input amplitude of the video analog signal is less than 1.5V and is at TTL level for SYNC signal.
- Please use only an Altinex supplied external AC adapter supplying 9V DC at 500mA to power up DA1906SX.
- Please make sure that proper quality of cables is used. We recommend Altinex made cables for best results, where video signals are pass through loop components.
- Please make sure that the outputs are terminated properly and cable runs do not exceed 15 feet for the loop output port & 100 feet for any of the main output ports.
- If the problem shows up after continuous usage at higher voltage, higher temperature, higher humidity, or at other extreme environmental conditions, please correct the problem.

	supply to power 2 units at the same time?	rack mount power supply.
5	Does the DA1906SX pass DDC signals between the display and computer?	Yes, the DA1906SX does pass DDC signals to a video output connector as long as the pin-outs of the computer are standard per VGA.
6	What are resolutions of input computer signals that can pass	1280x1024 – UXGA 1024x768 – XGA 800x600 – SVGA 640x480 – VGA.



4

May I use

DA1906SX

the

power

8

ALTINEX POLICY

11

11.1 LIMITED WARRANTY

Altinex warrants that its products and cables are free from defects in materials under normal use and service. This warranty is limited to repairing at company's factory any part or parts of the product, which upon company's examination shall disclose to be, thus defective. Products considered defective should be returned to company with transportation charges pre-paid within 2 years (90 days for cables) from date of shipment to the purchaser. The warranty is expressly instead of all other warranties expressed or implied. Altinex neither assumes nor authorizes any other person to assume for it any other liability in connection with the sale of the products. This warranty shall not apply to any product that shall have been repaired or altered outside of company's factory in any way so as, in its judgment, to affect its stability or reliability, or that has been subject to misuse, negligence or accident.

11.2 RETURN POLICY

It is very important that you receive products that you have ordered and that this product fulfills your need. In the unlikely event that an Altinex product needs to be returned please follow the policies below:

Altinex will accept product returns for a period of 30 days from authorized Altinex dealers. Products must be returned in an unopened package.

If a product has been opened, the restocking fees will apply. For the restocking fee amount, please contact an Altinex Sales Representative.

If the product is in your possession for more than 30 days, the restocking fees will apply.

Altinex will not accept any returns on cables or custom products.

If your product is in warranty and needs service, contact the Altinex Sales Department for an RMA (Return Material Authorization). Products returned without an RMA number may experience a delay in service. If your product is out of warranty and needs service, contact the Altinex Sales Department for an RMA (Return Material Authorization). Products returned without an RMA number may experience a delay in service. The service charges will be quoted to you before the actual repairs are done.

11.3 CONTACT INFORMATION

Sales Department

Phone:	714-990-2300
Fax:	714-990-3303
Accounting Department	

Phone:	714-990-6088
Fax:	714-990-5778



