



AV Connectivity, Distribution And Beyond...

VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES

RS-232 Transmitter over CAT5, Cascading Module for DVI-SPLITPRO-4X / SPLITR-PRO-4K



Model #: C5-RS232-S

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Product Application & Market Sectors



Corporate



House Of Worship



Military



Residential



Education



Industrial



Medical



Aviation



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SECTION I: GETTING STARTED

I.1 IMPORTANT SAFEGUARDS

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by us.
 - Any damage of the product due to shipment.
 - Removal or installation of the product.
 - Causes external to the product, such as electric power fluctuation or failure.
 - Use of supplies or parts not meeting our specifications.
 - Normal wear and tear.
 - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

I.2 SAFETY INSTRUCTIONS

The Avenview C5-RS232-S over CAT5 RS 232 Extender has been tested for conformity to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment's, the C5-RS232-S should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.




- ⚠ Do not dismantle the housing or modify the module.
- ⚠ Dismantling the housing or modifying the module may result in electrical shock or burn.
- ⚠ Refer all servicing to qualified service personnel.
- ⚠ Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- ⚠ Keep the module away from liquids.
- ⚠ Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- ⚠ Have the module checked by a qualified service engineer before using it again.
- ⚠ Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



1.3 REGULATORY NOTICES FEDERAL COMMUNICATIONS COMMISSION (FCC)

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

Warning symbols	Description
	<p>ONLY USE THE PROVIDED POWER CABLE OR POWER ADAPTER SUPPLIED. DO NOT TAMPER WITH THE ELECTRICAL PARTS. THIS MAY RESULT IN ELECTRICAL SHOCK OR BURN.</p>
	<p>DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.</p>
	<p>THE VIDEO BOARDS ARE VERY SENSITIVE TO STATIC. PLEASE ENSURE IF RACK MOUNTED OR INSTALLED ON A SURFACE, IT SHOULD BE IN A GROUNDED ENVIROMENT.</p>

	<p>⚠ WARNING</p>
	<p>Read & understand user guide before using this device.</p> <p>Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.</p>

2. INTRODUCTION

C5-RS232-S is an ideal solution to cascade and communicate to the AV equipment connected. This device connects to the RS-233 port of the AV device to be controlled and then send RS-232 signal over CAT5 to the other cascading devices. The transmitter is used as a Cascading Module for DVI-SPILTPRO-4X/DVI-SPILTPRO-4K. After finishing the setup, the serial connection has a fixed communication channel between local and remote sites.




2.1 FEATURES

- Sends RS-232 data up to 1,000m;
- Real time pure hardware solution;
- Extra RJ45 for cascading;
- Compact size;
- Ability to cascade remote units up to 32 devices.



2.2 PACKAGE CONTENTS

Before you start the installation of C5-RS232-S, please check the STANDARD package contents.

1	C5-RS232-S	X 1	
2	POWER ADAPTER (5VDC)	X 1	
3	USER'S MANUAL	X 1	

2.3 BEFORE INSTALLATION

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.



2.4 SPECIFICATIONS

MODEL NAME		C5-RS232-S
ROLE OF USAGE		TRANSMITTER [TX]
TRANSMISSION LENGTH		UP TO 1,000M (1,100YD) [CAT5E]
BAUD RATE		UP TO 57.6KBPS IN CASCADE MODE
INPUT		1 X RS-232
OUTPUT		1 X RJ-45
RS-232 CONNECTOR		DE-9 [9-PIN D-SUB FEMALE]
RJ-45 CONNECTOR		WE/SS 8P8C WITH 2 LED INDICATORS
DIP SWITCH		6-PIN D & AUDIO MODE [SW MAIN] 6-PIN OPERATION & FIRMWARE UPDATE
MECHANICAL		C5-RS232-S
HOUSING		METAL CASE
DIMENSIONS [L X W X H]	MODEL	TBA
	PACKAGE	270 X 175 X 80MM [10.6" X 6.9" X 3.1"]
	CARTON	450 X 370 X 300MM [1'6" X 1'3" X 11.8"]
WEIGHT	MODEL	TBA
	PACKAGE	TBA
FIXEDNESS		WALL-MOUNTING CASE UPON REQUEST
POWER SUPPLY		5V 2A DC
POWER CONSUMPTION		1 WATT [MAX]
OPERATION TEMPERATURE		0~40°C [32~104°F]
STORAGE TEMPERATURE		-20~60°C [-4~140°F]
RELATIVE HUMIDITY		20~90% RH [NO CONDENSATION]



2.5 DEVICE DESCRIPTION & LAYOUT

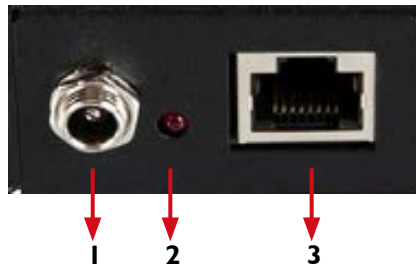
2.) .1 Front Panel (Transmitter, C5-RS232-S)



1. RS232

2. Dip Switch

2.5.2 Rear Panel (Transmitter, C5-RS232-S)



1. +5V DC: Connect to 5V DC power supply

2. POWER: Red LED Power On




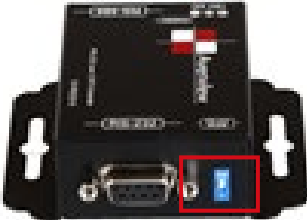


3. RS485

Note: Preferred CAT6 and Gigabit 10/1000 Router to ensure HD 1080p resolution without delay in transmission

Important Before starting the installation please ensure that all devices are powered OFF



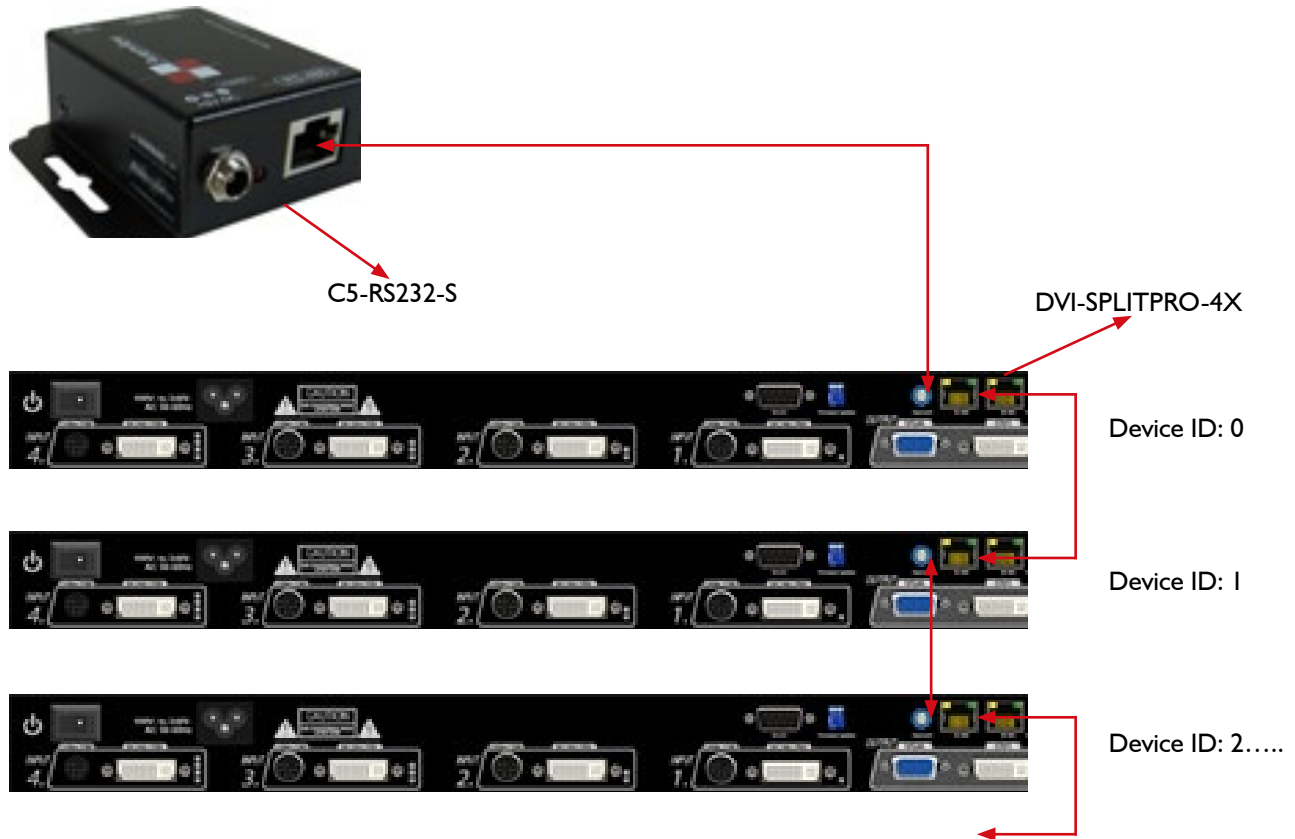
3. CASCADE INSTALLATION FOR DVI-SPLITPRO-4X/DVI-SPLITPRO-4K (LAYOUT 1)

PRODUCT	SETTINGS
	<p>The device id number will show on the vfd, like below picture</p>
	<p>The "device id" number can adjust by button menu.</p> <ol style="list-style-type: none"> 1. Please push the "down, up, left, right" button, 2. Enter menu → "(05/05) system 3. Setting" menu → "(03/03) device id" menu.
	<p>Push the "right" button. When the "up" and "down" arrow are display, you can adjust number by "up" and "down" button.</p>
	<p>Set the dip switch on the c5-rs232-s to the on position As illustrated in picture</p>
	<p>Set the dip switch on the dvi-splitpro-4x to # 1 off (up) #2 on (down) As illustrated in picture</p>
	<p>When set dvi-splitpro-4x to rs485 mode by "dip switch". Please check the vfd will display "square" icon</p>

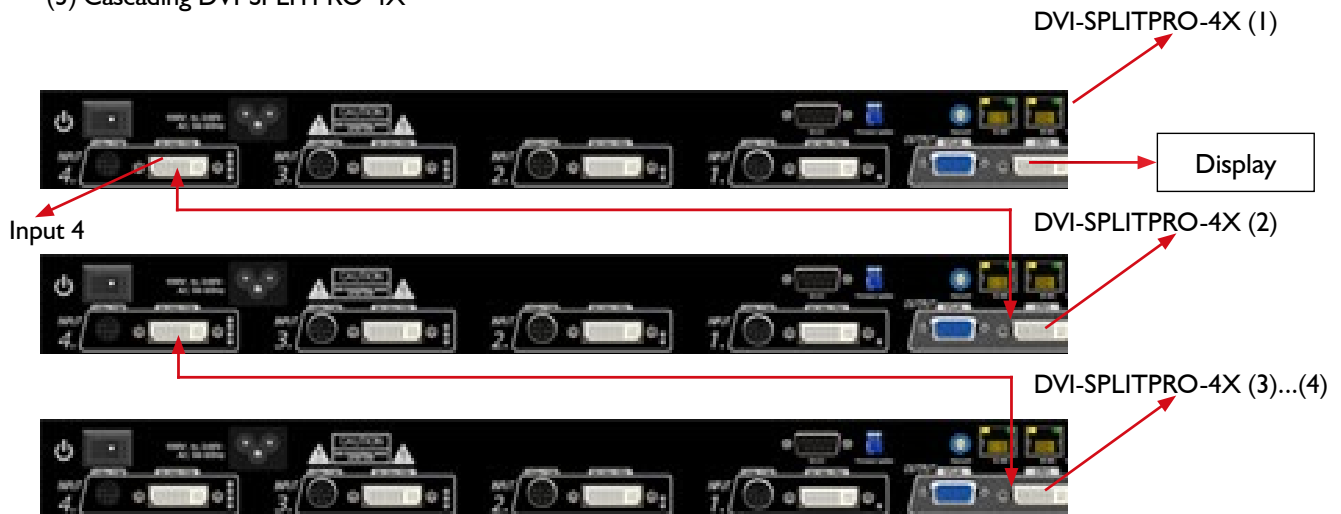


3.1 CASCADE INSTALLATION FOR DVI-SPLITPRO-4X/DVI-SPLITPRO-4K (LAYOUT 2)

* Using C5-RS232-S to control all the cascaded DVI-SPLITPRO-4X



(3) Cascading DVI-SPLITPRO-4X



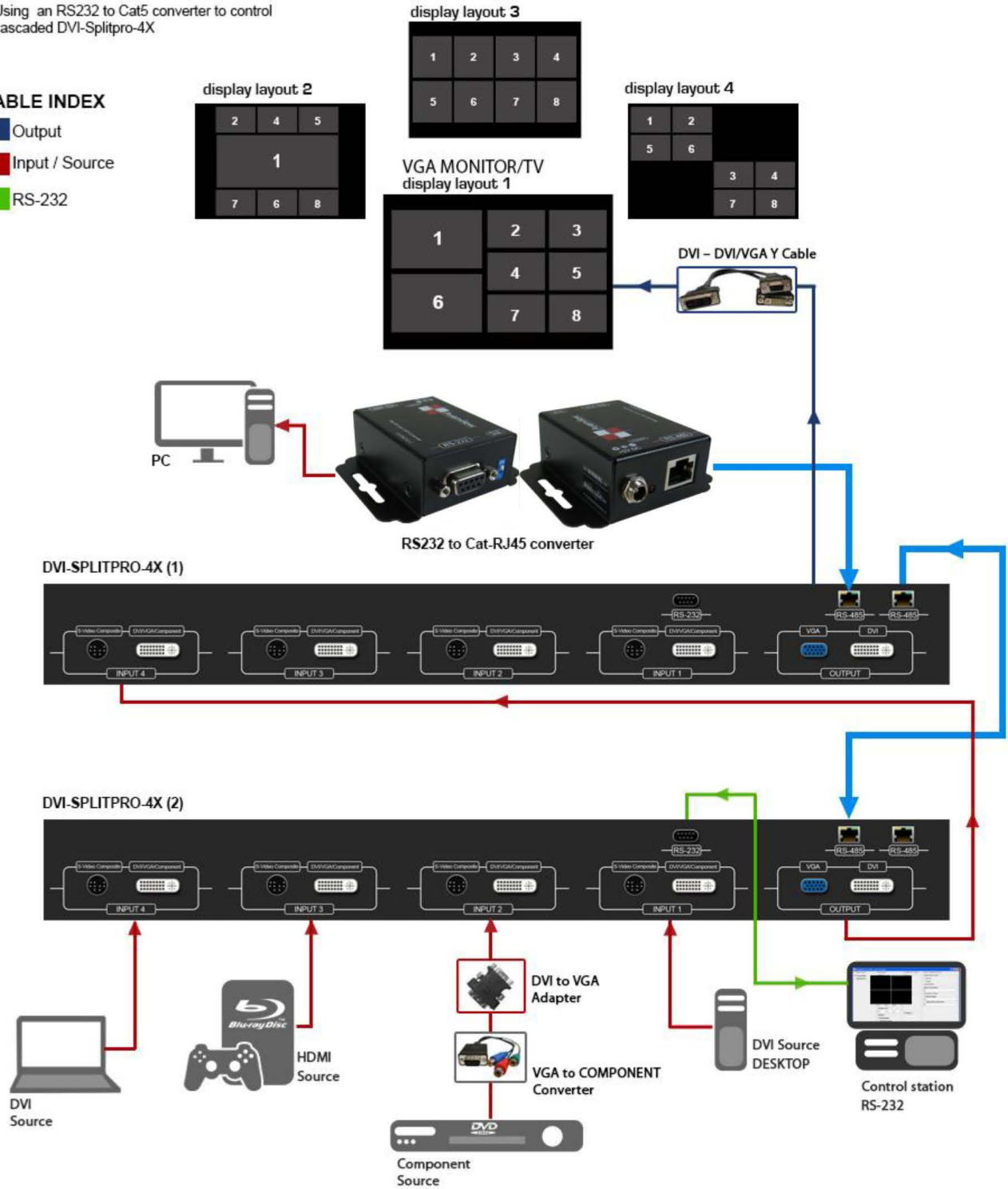
- a. Display to connected DVI-SPLITPRO-4X (1) DVI output.
- b. DVI input 4 to connected DVI-SPLITPRO-4X (2) DVI output.
- c. Others are cascaded by this way.



Using an RS232 to Cat5 converter to control cascaded DVI-Splitpro-4X

CABLE INDEX

- Output
- Input / Source
- RS-232



Avenview Warranty Certificate

AVENVIEW CORP. ("Avenview") warrants Avenview-branded product(s) contained in the original packaging against defects in materials and workmanship when used normally in accordance with Avenview's enclosed manual guidelines for a period of THREE (3) YEARS from the date of original retail purchase - Warranty Period. Avenview's published guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

LABOR: During the Warranty Period of THREE (3) YEARS, Avenview will repair or replace the product(s) at no cost using new or used parts equivalent to novel performance and reliability if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Labor applicable to product(s) after Warranty Period. For labor costs, please contact support@avenview.com.

PARTS: During the Warranty Period of THREE (3) YEARS, Avenview will supply new or rebuilt replacements in exchange for defective parts of the product(s) at no cost if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Parts applicable to product(s) after Warranty Period. For part(s) costs, please contact support@avenview.com.

To obtain Warranty: (a) proof of purchase in the form of a bill of sale or receipted invoice reflecting that the registered product(s) is within warranty period must be presented to obtain warranty service; (b) product(s) must be registered at time of purchase. Failure to do so will result in applicable parts and labor charges. Returning product(s) must be shipped in Avenview's original packaging or in packaging pertaining equal degree of protection to Avenview's. Both Avenview and purchaser are responsible for freight charges and brokerages when shipping the product(s) to the receiver.

NOT COVERED BY THIS WARRANTY

This warranty does not apply to any non-Avenview branded product(s); non-registered Avenview product(s). This warranty does not apply: (a) to cosmetic damage, including but not limited to scratches, dents and broken cords; (b) to damage caused by use with another product; (c) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external cause; (d) to damage caused by operating the Avenview product(s) outside Avenview's manuals or guidelines; (e) to damage caused by service performed by anyone who is not a representative of Avenview or an Avenview authorized personnel; (f) to defects caused by normal wear and tear or otherwise due to the normal aging of the Avenview product(s), or (g) if any serial number has been removed or defaced from the Avenview product(s).

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