



CVSD-41ARN

4x1 Video/S-Video Switcher



Operation Manual

DISCLAIMERS

The information in this manual has been carefully checked and is believed to be accurate. Cypress Technology assumes no responsibility for any infringements of patents or other rights of third parties which may result from its use.

Cypress Technology assumes no responsibility for any inaccuracies that may be contained in this document. Cypress also makes no commitment to update or to keep current the information contained in this document.

Cypress Technology reserves the right to make improvements to this document and/or product at any time and without notice.

COPYRIGHT NOTICE

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or any of its part translated into any language or computer file, in any form or by any means—electronic, mechanical, magnetic, optical, chemical, manual, or otherwise—without express written permission and consent from Cypress Technology.

© Copyright 2018 by Cypress Technology.

All Rights Reserved.

TRADEMARK ACKNOWLEDGMENTS

All products or service names mentioned in this document are trademarks of the companies with which they are associated.



SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
 - To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
 - Never spill liquid of any kind on or into this product.
 - Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
 - Do not attach the power supply cabling to building surfaces.
 - Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
 - Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
 - To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.
 - Please completely disconnect the power when the unit is not in use to avoid wasting electricity.
-

CONTENTS

1. Applications	1
2. Package Contents	1
3. Features.....	1
4. Operation Controls and Functions	2
4.1 Front Panel.....	2
4.2 Rear Panel.....	3
4.3 Remote Control	3
4.4 RS-232 Remote Control Protocol.....	4
4.5 Connection and Installation	5
5. Connection Diagram	6





1. APPLICATIONS

CVSD-41ARN CV/SV switcher is designed for switching between video & S-video sources. Such as VCR,DVD player... to share one TV display.

2. PACKAGE CONTENTS

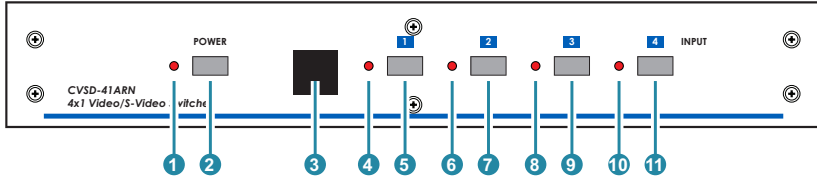
- Package includes:
- CVSD-41ARN unit
- IR remote control
- 5VDC power supply
- A battery
- Manual
- One set of 1 RCA-1 RCA video cable
- One set of S-video cable
- One set of 2 RCA-2 RCA audio cable

3. FEATURES

- LED indicators.
- IR remote control
- Supports standard video sources: 480i, 576i.
- Plug and play, easy to install and operate.
- CVSD-41ARN can be controlled either through input selection button on the front panel or using included infrared remote control.
- RS-232 interface allows control from a distant device.
- Ideal for presentation and large shop integration.
- Support audio format: L/R (analog) or PC AMP speaker system (option)

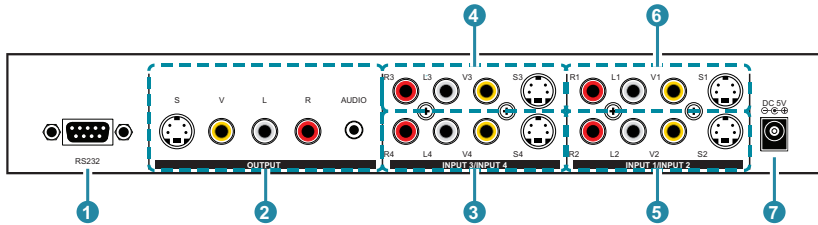
4. OPERATION CONTROLS AND FUNCTIONS

4.1 Front Panel



- 1 Power indicator LED
- 2 Power ON/OFF switch: Push the button to turn ON/OFF the power.
- 3 IR sensor: Infrared remote control sensor.
- 4 Input 1 indicator LED .
- 5 Input 1 switch: Push the button, LED lights up, source 1 is selected.
- 6 Input 2 indicator LED.
- 7 Input 2 switch: Push the button, LED lights up, source 2 is selected.
- 8 Input 3 indicator LED .
- 9 Input 3 switch: Push the button, LED lights up, source 3 is selected.
- 10 Input 4 indicator LED.
- 11 Input 4 switch: Push the button, LED lights up, source 4 is selected.

4.2 Rear Panel

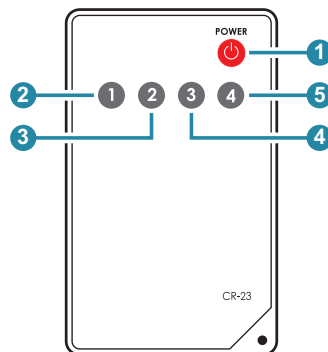


- 1 RS-232:** 9-pin D-sub female connector for connecting to your other control console for remote control.
- 2 CV/SV+Audio output:** Use a CV/SV cable to connect to your display.
Use a 1 RCA to 1 RCA video cable to your display.
Use a 2 RCA to 2 RCA audio cable to your display.
(Option) connects to your PC AMP speaker system.
- 3 CV/SV + Audio input 4:** Use a CV/SV cable to connect to your source 4.
- 4 CV/SV + Audio input 3:** Use a CV/SV cable to connect to your source 3.
- 5 CV/SV + Audio input 2:** Use a CV/SV cable to connect to your source 2.
- 6 CV/SV + Audio input 1:** Use a CV/SV cable to connect

4.3 Remote Control

- 1 POWER:** Press this button to power the unit on/off.
- 2 OUTPUT:** Press these buttons to select an output display from A to D first, then select an input number button, and press 'ENTER' to confirm the selection.
- 3 INPUT:** Press these buttons to select a desired input source from 1 to 16 after selecting the output display and then press 'ENTER' to confirm the selection.

Note: Selectable inputs are dependant on the controlling model.



- 4 ENTER:** Press this button to confirm each input/output selection.

4.4 RS-232 Remote Control Protocol

* The connection between CVSD-41ARN and remote controller with RS-232 modem cable.

Pins definition of modem cable

OSD			Remote Controller	
PIN	Definition		PIN	Definition
1	NC		1	NC
2	T x D		2	R x D
3	R x D		3	T x D
4	NC	→	4	NC
5	GND		5	GND
6	NC	←	6	NC
7	NC		7	NC
8	NC		8	NC
9	NC		9	NC

RS-232 transmission format:

Baud Rate : 9600 bps

Data Bit : 8 Bits

Parity: None

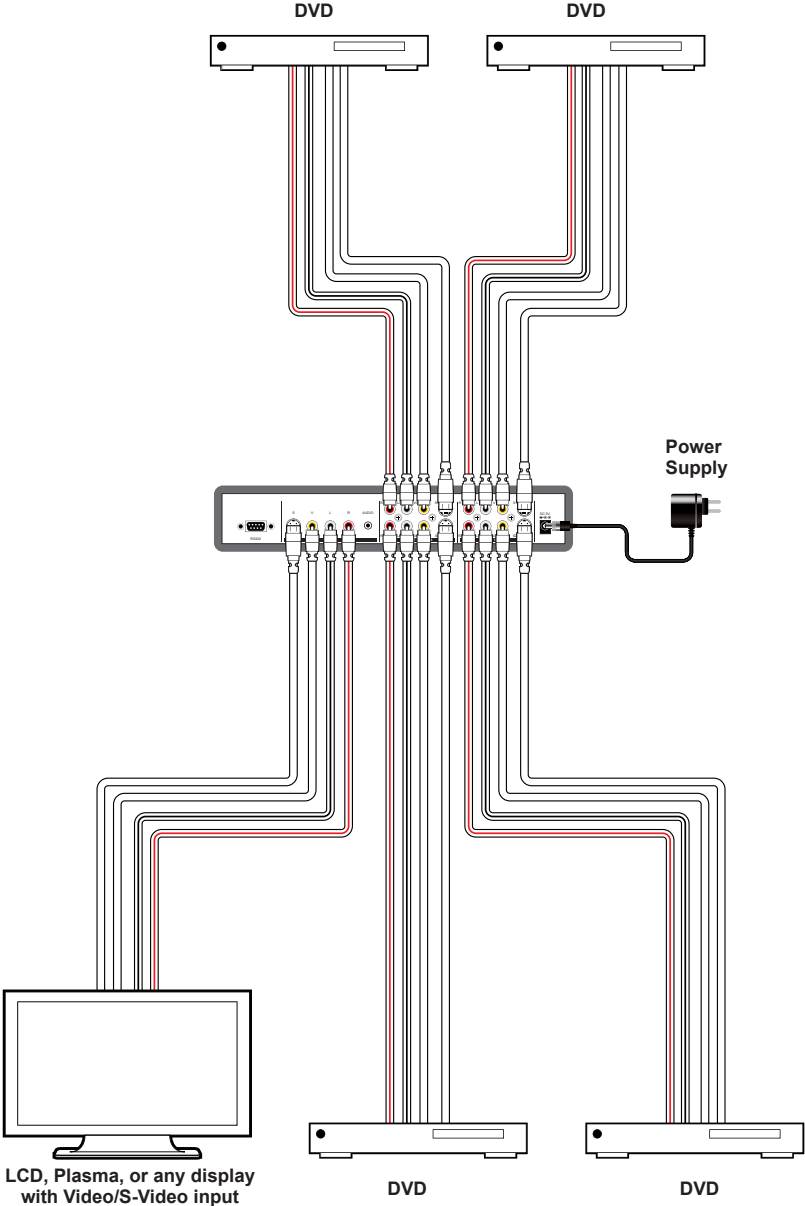
Stop Bit: 1 bit

4.5 Connection and Installation

COMMENT CODE	COMMENT
11	PORT 1 ON
12	PORT 2 ON
13	PORT 3 ON
14	PORT 4 ON
P1	POWER ON
P0	POWER OFF

Note: Any commands will not be executed unless followed by a carriage return. Commands are case-insensitive.

5. CONNECTION DIAGRAM





CYPRESS TECHNOLOGY CO., LTD.
www.cypress.com.tw
