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RadioShack 1500320

RadioShack 1500320 A/V Distribution Amplifier Splitter User Manual

Model: 1500320

Introduction

The RadioShack 1500320 A/V Distribution Amplifier Splitter is designed to distribute a single audio/video signal to multiple output devices. This unit can connect one A/V source, such as a VCR or DVD player, to up to four VCRs, TVs, or monitors. It also features the ability to convert composite video input to S-Video output, or S-Video input to four S-Video or composite outputs, while maintaining signal strength.

Key Features

- Distributes a single A/V signal to four separate components.
- Converts composite video input to S-Video output.
- Maintains consistent A/V signal strength across all outputs.

Package Contents

Verify that your package contains the following items:

- RadioShack 1500320 A/V Distribution Amplifier Splitter
- Power Adapter (DC 12V)
- User Manual (this document)



Image: Retail packaging for the RadioShack 1500320 A/V Distribution Amplifier Splitter, showing the product name and key features on the box.

Setup Instructions

Follow these steps to properly set up your A/V Distribution Amplifier Splitter:

1. **Placement:** Position the amplifier on a stable, flat surface near your A/V source and output devices. Ensure adequate ventilation.
2. **Connect A/V Source:** Connect your A/V source (e.g., DVD player, VCR) to the **INPUT** jacks on the amplifier.
    - For composite video, connect the yellow RCA cable to the "VIDEO" input.
    - For S-Video, connect the S-Video cable to the "S-VIDEO" input.
    - For audio, connect the red RCA cable to "R" (Right) and the white RCA cable to "L" (Left) audio inputs.
3. **Connect Output Devices:** Connect up to four output devices (e.g., TVs, monitors, VCRs) to the **OUTPUT** jacks. Each output set (1-4) includes connections for video, S-Video, and L-Audio-R.
    - Connect the corresponding video, S-Video, and audio cables from the amplifier's outputs to your display or recording devices.
    - The amplifier can convert composite video to S-Video, or S-Video to composite video, depending on the input and output connections used.
4. **Connect Power:** Insert the DC 12V power adapter into the "DC 12V" jack on the amplifier, then plug the adapter into a standard electrical outlet.
5. **Power On:** Turn on your A/V source and all connected output devices. The amplifier does not have a separate power switch; it powers on when connected to an electrical outlet.



Image: Top and bottom views of the RadioShack 1500320 A/V Distribution Amplifier Splitter, highlighting the DC 12V power input, single A/V and S-Video input, and four sets of A/V and S-Video outputs.

Operating Instructions

Once the amplifier is set up, operation is straightforward:

- **Signal Distribution:** The amplifier automatically distributes the input A/V signal to all four output channels simultaneously. There are no switches or controls for selecting individual outputs.
- **Video Conversion:** The unit automatically handles video signal conversion. If you input a composite video signal, you can output it as composite video or S-Video from any of the four output sets. Similarly, an S-Video input can be output as S-Video or composite video.
- **Signal Integrity:** The amplifier is designed to maintain the strength and quality of the A/V signal, preventing degradation that can occur with passive splitters over multiple connections.

Maintenance

To ensure optimal performance and longevity of your amplifier:

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the exterior of the unit. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Avoid placing the unit in enclosed spaces or on soft surfaces that may obstruct airflow.
- **Cable Connections:** Periodically check all cable connections to ensure they are secure. Loose connections can lead to signal loss or interference.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

Problem	Possible Cause	Solution
No video or audio output.	Power adapter not connected or faulty. Incorrect cable connections. A/V source or output device is off or malfunctioning.	Ensure the power adapter is securely connected to the amplifier and a working electrical outlet. Verify all A/V and S-Video cables are correctly connected to the input and output ports. Check that your A/V source and output devices are powered on and functioning correctly.
Poor video or audio quality (e.g., fuzzy picture, static sound).	Loose or damaged cables. Interference from other electronic devices. Using incorrect cable types (e.g., low-quality RCA cables).	Check all cables for secure connections and signs of damage. Replace damaged cables. Move the amplifier away from other electronic devices that may cause interference. Use high-quality shielded A/V cables for optimal performance.
Buzzing noise in audio.	Ground loop issue. Interference from power supply or other devices.	Try connecting all A/V equipment to the same power strip to minimize ground loops. Ensure power cables are not running parallel to audio cables.

Specifications

Model Number	1500320
Input	1 x Composite Video, 1 x S-Video, 1 x Stereo Audio (L/R)
Output	4 x Composite Video, 4 x S-Video, 4 x Stereo Audio (L/R)
Power Supply	DC 12V
Dimensions (H x W x D)	7 x 1.2 x 8.5 inches (approximate)
Weight	1 pound (approximate)
Manufacturer	RadioShack

Warranty and Support

Specific warranty information for the RadioShack 1500320 A/V Distribution Amplifier Splitter is not available in this document. For warranty details or technical support, please refer to the original product packaging or contact RadioShack customer service directly.

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