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› TENEALAY RC32 RCA Stereo Audio Switch User Manual

## TENEALAY RC32

# TENEALAY RC32 RCA Stereo Audio Switch User Manual

Model: RC32

## 1. PRODUCT OVERVIEW

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The TENEALAY RC32 is a versatile RCA stereo audio switch designed to manage multiple audio sources and outputs. This passive, non-powered device allows for flexible audio routing, functioning as either a 3-input, 2-output (3-in-2-out) selector or a 2-input, 3-output (2-in-3-out) redirector. It is ideal for connecting various audio devices such as CD players, DVD players, TVs, PCs, and amplifiers without the need for constant cable swapping.

A key feature of the RC32 is its independent ground connection design. When switching signal sources, the ground connection is also switched, ensuring that all sources do not share a common ground. This design helps to minimize potential audio noise and hum.



Front view of the TENEALAY RC32 RCA Stereo Audio Switch, showing the compact aluminum chassis and selector buttons.

## 2. SETUP AND CONNECTIONS

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The TENEALAY RC32 offers two primary configuration modes:

### 2.1. 3-Input, 2-Output Configuration

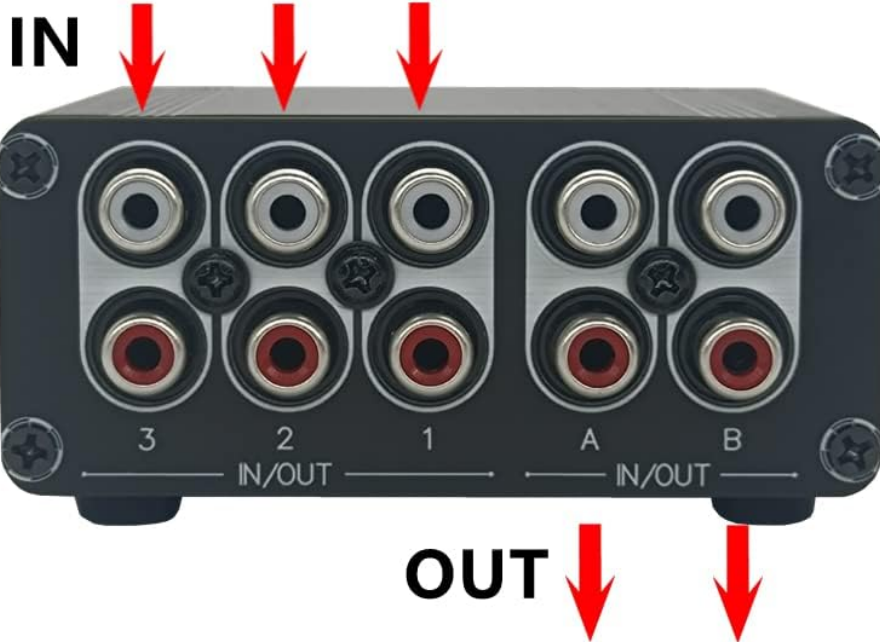
In this mode, the RC32 acts as a selector for up to three stereo audio sources, directing the selected source to one of two output devices (e.g., amplifiers). This is useful for systems where you have multiple audio sources but want to switch between them to feed two different audio systems.

1. Connect your three audio sources (e.g., CD player, TV, PC) to the RCA input ports labeled **1**, **2**, and **3** on the rear of the RC32. Ensure left (white) and right (red) channels are correctly matched.
2. Connect your two output devices (e.g., Amplifier A, Amplifier B) to the RCA output ports labeled **A** and **B**.
3. Use the front panel buttons to select the desired input source (1, 2, or 3) and the desired output (A or B).

# 3 IN 2 OUT



or other line level and headphone level audio sources. CD players, MP3 players, satellite radios, computer sound cards, etc... are examples of unamplified low level audio sources input.



Headphone Amp



Power AMP

**It can quickly and easily chooses any three stereo audio input sources and play between A/B AMP**

Illustration of the 3-input, 2-output setup, connecting three audio sources to inputs 1, 2, 3 and two output devices to A, B.

## 2.2. 2-Input, 3-Output Configuration

Alternatively, the RC32 can function as a redirector, taking two audio sources and allowing you to switch them to one of three output devices (e.g., headphone amplifier, active speakers, main amplifier). This is beneficial when you have fewer sources but multiple listening options.

1. Connect your two audio sources to the RCA input ports labeled **A** and **B** on the rear of the RC32.
2. Connect your three output devices (e.g., Headphone Amp, Active Speaker, Power Amp) to the RCA output ports labeled **1**, **2**, and **3**.
3. Use the front panel buttons to select the desired input source (A or B) and the desired output (1, 2, or 3).

# 2 IN 3 OUT



Illustration of the 2-input, 3-output setup, connecting two audio sources to inputs A, B and three output devices to 1, 2, 3.

## 2.3. General Connection Notes

- Always use high-quality RCA cables for optimal audio performance.
- Ensure all connections are secure to prevent signal loss or interference.
- The RC32 is a passive device and does not require external power.

## 3. OPERATING INSTRUCTIONS

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The TENEALAY RC32 features a straightforward front panel for selecting audio paths.

## A note about:

like hum. this usually is not needed in most installations, but please read.

Audio can be tricky sometime, especially when multiple devices are connected in same system, it creates audio noise hum...

If for this reason, we recommend to connect a Ground Loop isolator on the way that has noise, to avoid or solve noise problems.

You can search "Ground loop isolator" to find one.



## Eliminates or Reduces Possible Audio Noise Problems

Detailed view of the RC32, highlighting the front panel selector buttons and the rear RCA input/output ports.

### 3.1. Front Panel Controls

- **Selector Buttons (1, 2, 3):** These buttons are used to select the active audio path. Pressing a button engages that specific input/output channel.
- **A/B Selector Button:** This button toggles between output A and output B (in 3-in-2-out mode) or input A and input B (in 2-in-3-out mode). When the button is **ON**, it selects B. When **OFF**, it selects A.

### 3.2. Switching Audio Paths

To switch between different audio sources or outputs:

1. Ensure all connected audio devices are powered on.
2. Press the desired numbered button (**1**, **2**, or **3**) to select the corresponding audio path.
3. If using the A/B functionality, press the **A/B** button to toggle between the A and B paths as needed.
4. Adjust the volume on your amplifier or active speakers as required.

## 4. MAINTENANCE

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To ensure the longevity and optimal performance of your TENEALAY RC32 audio switch, follow these simple maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Do not expose the device to excessive moisture, heat, or direct sunlight.
- Avoid dropping or subjecting the device to strong impacts.
- Ensure proper ventilation around the unit, although as a passive device, heat generation is minimal.

## 5. TROUBLESHOOTING

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If you encounter issues with your TENEALAY RC32, refer to the following common problems and solutions:

### 5.1. No Audio Output

- **Check Connections:** Ensure all RCA cables are securely connected to the correct input and output ports.
- **Verify Source/Output Selection:** Confirm that the correct input (1, 2, or 3) and output (A or B) are selected using the front panel buttons.
- **Test Cables:** Try different RCA cables to rule out faulty wiring.
- **Check Devices:** Ensure your audio sources and output devices (amplifiers, speakers) are powered on and functioning correctly.

### 5.2. Hum or Static Noise

Audio systems can sometimes experience noise, especially when multiple devices are connected. The RC32 is designed with independent ground connections to minimize this, but external factors can still cause issues.

- **Ground Loop Isolator:** If you experience persistent hum or static, it may be due to a ground loop. Consider connecting a ground loop isolator to at least one of your audio sources. This device helps to break the electrical path that causes hum.
- **Cable Quality:** Ensure you are using shielded, high-quality RCA cables.
- **Power Source:** Ensure all connected devices are plugged into properly grounded outlets.

## Product Details



Recommendation for connecting a Ground Loop Isolator to eliminate or reduce possible audio noise problems.

### 5.3. Popping Sound When Switching

A slight popping sound when switching inputs is sometimes inherent in passive audio switches due to the instantaneous change in electrical paths. This is generally not harmful to your equipment.

- **Lower Volume:** Reduce the volume on your amplifier or active speakers before switching inputs to minimize the perceived pop.
- **Power Cycle:** In some cases, briefly powering off and on your amplifier after switching may help, though this is often unnecessary.

## 6. SPECIFICATIONS

Below are the technical specifications for the TENEALAY RC32 RCA Stereo Audio Switch:

Feature	Specification
Model Number	RC32
Product Dimensions	3.46 x 2.76 x 1.5 inches
Item Weight	5.6 ounces
Connector Type	RCA
Cable Type	RCA
Compatible Devices	DVD Player, CD Player, TV, PC, Amplifiers, Active Speakers, Headphone Amps
Operation Mode	Passive (Non-powered)
Chassis Material	Aluminum



Physical dimensions of the RC32 unit.

## 7. WARRANTY AND SUPPORT

For warranty information and customer support regarding your TENEALAY RC32 RCA Stereo Audio Switch, please refer to the documentation included with your purchase or contact TENEALAY customer service directly through their official website or the retailer where the product was purchased. Please have your model number (RC32) and purchase date available when contacting support.