



.: www.totalrecallvr.com :.

TRVR Audio Mixer

Quick Start Guide

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Related Documents:

[1] Prolancer Pty Ltd, Total Recall VR web site. Available from:
<http://www.totalrecallvr.com/>.

[2] Prolancer Pty Ltd, Prolancer web site. Available from:
<http://www.prolancer.com.au/>.

[3] Prolancer Pty Ltd, Total Recall VR Overview User Guide, 22.0, July 2018

Table of Contents

| | |
|--|-----------|
| 1. Preface | 4 |
| <i>1.1. Conventions</i> | <i>4</i> |
| 1.1.1. Notes & Warnings | 4 |
| 1.1.2. Typographic Conventions..... | 4 |
| 1.1.3. Procedures | 5 |
| <i>1.2. We Need Feedback</i> | <i>5</i> |
| 2. Introduction | 6 |
| 2.1. Thank You..... | 6 |
| 2.2. About This Guide..... | 6 |
| 2.3. What is Total Recall VR Audio Mixer?..... | 6 |
| 3. Pre Installation | 8 |
| 3.1. Unpacking | 8 |
| 3.2. Power Pack..... | 8 |
| 3.3. Input Panel | 9 |
| 3.4. Output Panel..... | 9 |
| 4. Installation | 11 |
| 4.1. Safety Information | 11 |
| 4.2. Rack Mount Shelf..... | 11 |

1. Preface

1.1. Conventions

Our guides use several conventions to highlight certain words and phrases and draw attention to specific pieces of information.

1.1.1. Notes & Warnings

We use the following visual styles to draw attention to information that might otherwise be overlooked:



Notes are tips, shortcuts or alternative approaches to the task at hand. Ignoring a note should have no negative consequences, but you might miss out on a trick that makes your life easier.



Important boxes detail things that are easily missed: configuration changes that only apply to the current session, or services that need restarting before an update will apply. Ignoring the information will not cause data loss, but may cause irritation and frustration.



Warnings should not be ignored. Ignoring warnings will most likely cause data loss.

1.1.2. Typographic Conventions

We use typographic conventions to call attention to specific words and phrases. These conventions, and the circumstances they apply to, are as follows.

| Example | Meaning |
|---------------------------------------|---|
| Select <u>Guide</u> to display ... | Locate the link named "Guide" on the screen, position the cursor over the link and then depress the appropriate mouse button to follow the link. |
| Select Add to create a new ... | Locate the button or menu item named "Add" on the screen, position the cursor over the button or menu item and then depress the appropriate mouse button to initiate an action. |

| | |
|--------------------------------|--|
| Enter <i>Commission</i> ... | Locate the field named "Commission" on the screen, position the cursor over the field and then depress the appropriate mouse button to select the field. Once the cursor appears in the field, enter a value. |
| Choose <i>Country</i> ... | Locate the field named "Country" on the screen, position the cursor over the field and then depress the appropriate mouse button to display the available options. Then position the cursor over the desired option and depress the appropriate mouse button to select it. |
| Tick <i>Active User</i> ... | Locate the check box named "Active User" on the screen, position the cursor over the check box and depress the appropriate mouse button to place a visual tick in the box. |
| Un-tick <i>Active User</i> ... | Locate the check box named "Active User" on the screen, position the cursor over the check box and depress the appropriate mouse button to remove the visual tick in the box. |
| Enter \$30.95 ... | Enter "\$30.95" using the keys on your keyboard. |

1.1.3. Procedures

We use numbered sequence of steps to define procedures for performing certain tasks. For example:

Procedure Title

1. This is the first step of the procedure.
2. This is the second step of the procedure.
 - a. This is the first sub-step of step 2.
 - b. This is the second sub-step of step 2.
3. This is step three.

1.2. We Need Feedback

If you find a typographical error in this guide, or if you have thought of a way to make this guide better, we would love to hear from you.

Please submit your feedback using the feedback form on our web site:

<http://www.prolancer.com.au/contact/feedback>.

If you have a suggestion for improving the guide, then try to be as specific as possible when describing your suggestion. Otherwise, if you have found an error, please include the section number and some of the surrounding text so we can find it easily.

2. Introduction

2.1. Thank You

Congratulations on your purchase of a Total Recall VR Audio Mixer. Thank you.

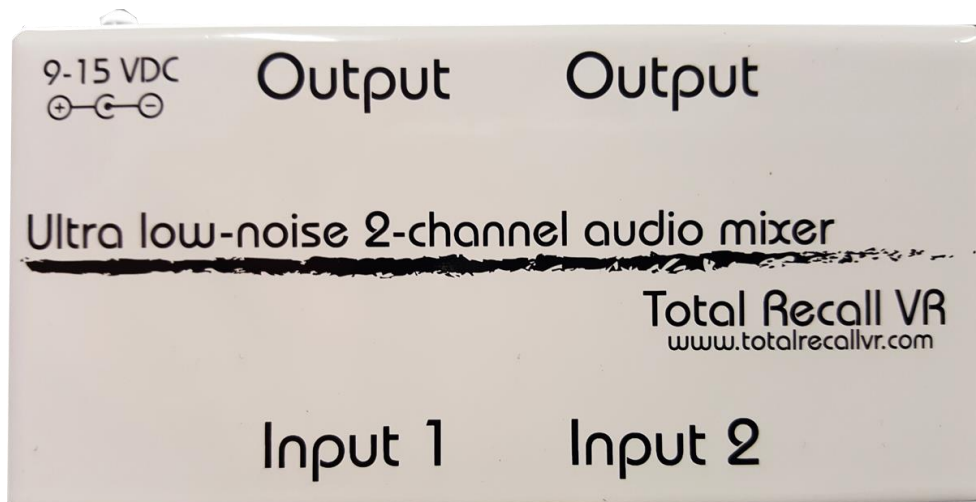
Total Recall VR Audio Mixer is a low noise 2-channel audio mixer designed to work best with Total Recall VR audio logging and call recording systems. However, it can be used with other equipment as well where it is necessary to combine two audio sources into a single audio source.

2.2. About This Guide

This guide contains information intended to get you working with your new Total Recall VR Audio Mixer as quickly as possible.

2.3. What is Total Recall VR Audio Mixer?

Total Recall VR Audio Mixer is a low noise 2-channel audio mixer that can combine two audio sources into one.



You can use Total Recall VR Audio Mixer to:

- Combine (mix) a stereo audio signals into a mono signal.
- Combine (mix) the transmit (Tx) and receive (Rx) audio signal of a 2-way radio, repeater or base station.
- Combine (mix) any two line level audio signals into a single line level signal.

Specification:

- 3.5mm TS and RJ12 connector for each input
- Signal level control (gain) for each input

- Redundant line-level output
- 3.5mm TS and RJ12 connector for each output
- 9-15VDC power source centre negative
- Maximum output signal level: +16dBu (with 15VDC power supply)
- Minimum input signal level: -30dBu
- Input impedance: 100Kohm
- Frequency response: 20Hz-20KHz
- Total harmonic distortion: < .005%



When using Total Recall VR Audio Mixer with a Total Recall VR audio logging and call recording system adjust the output signal level to about -10dBu.

3. Pre Installation

3.1. Unpacking

Please use care when unpacking Total Recall VR Audio Mixer.



DO NOT DROP Total Recall VR Audio Mixer. It contains sensitive electronic components.

Check the box for damage. A crushed box, holes, or water damage, for example, could indicate that Total Recall VR Audio Mixer has been damaged. Open the box and inspect Total Recall VR Audio Mixer and associated accessories.



If Total Recall VR Audio Mixer appears damaged then contact your supplier, or us, right away. Save all packaging and if possible take photos that clearly show the damage to all packaging and Total Recall VR Audio Mixer.

3.2. Power Pack

Total Recall VR Audio Mixer requires a DC power pack that can produce between 9VDC and 15VDC.



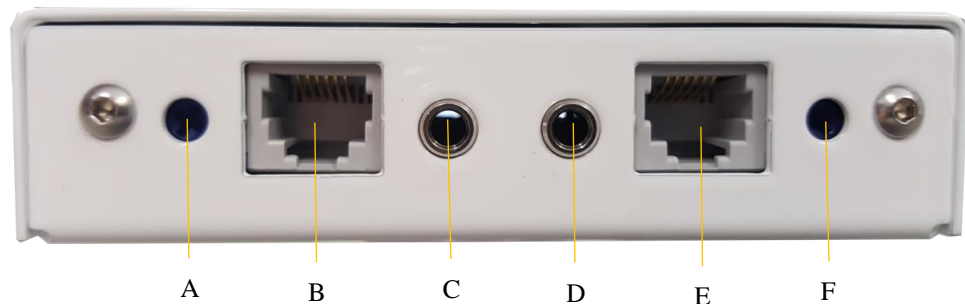
This power pack is not supplied with Total Recall VR Audio Mixer.



When deciding on a power pack, select power packs with 9VDC to 15VDC 500mA rating and centre negative DC connector with dimensions as shown on the adjacent image.

3.3. Input Panel

The input panel of Total Recall VR Audio Mixer features two different types of connectors for each input and the input signal level controls.

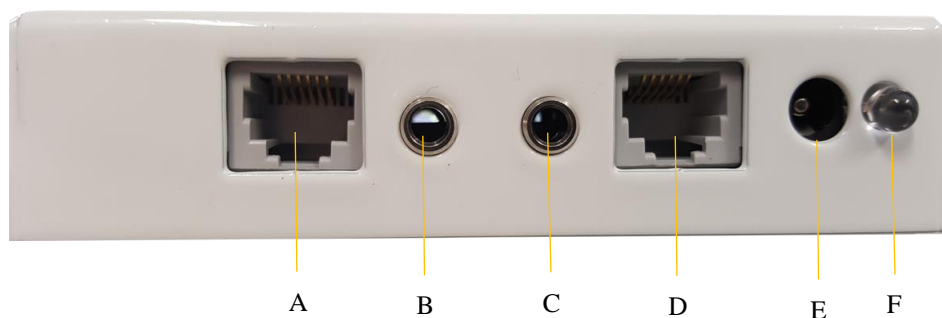


In summary:

| Item | Description | Note |
|------|---------------------------|---|
| A | Input 1: level adjustment | |
| B | Input 1: RJ12 connector | Use pins 3+4 or 2+5. |
| C | Input 1: 3.5mm TS connect | Disconnects the signal on the RJ12 connector when in use. |
| D | Input 2: level adjustment | |
| E | Input 2: RJ12 connector | Use pins 3+4 or 2+5. |
| F | Input 2: 3.5mm TS connect | Disconnects the signal on the RJ12 connector when in use. |

3.4. Output Panel

The output panel of Total Recall VR Audio Mixer features a redundant output with two different types of connectors and the power input connector.



In summary:

| Item | Description | Note |
|------|----------------------------|---|
| A | Output 1: RJ12 connector | Use pins 3+4 or 2+5. |
| B | Output 1: 3.5mm TS connect | Disconnects the signal on the RJ12 connector when in use. |
| C | Output 2: RJ12 connector | Use pins 3+4 or 2+5. |
| D | Output 2: 3.5mm TS connect | Disconnects the signal on the RJ12 connector when in use. |
| E | Power input connector | Centre negative. |
| F | Power on indicator | |



The same signal exists on both output 1 and 2. However, the outputs are independent of each other and can be connected to the audio inputs of different equipment.

4. Installation



If a ruling is required on the legality of recording in your country, please seek legal advice.

This product must not be used for illegal or unauthorised recording purposes.

4.1. Safety Information

Always follow basic safety precautions when installing Total Recall VR Audio Mixer to reduce the risk of injury from electrical shock and fire.



WARNING: Potential shock hazard. Total Recall VR Audio Mixer must be installed by qualified person.

Observe the following:

1. Read and understand all instructions in Total Recall VR Audio Mixer guides.
2. Observe all warnings and instructions marked on the product.
3. Use only grounded electrical outlet when connecting Total Recall VR Audio Mixer to a power source. If you are unsure the outlet is grounded, then have a qualified electrician check it.
4. First connect Total Recall VR Audio Mixer to grounded outlet, and only then connect the appropriate interface lines.
5. Do not touch the contacts on the ends of any cables used with Total Recall VR Audio Mixer. If any cable becomes damaged, then have it replaced immediately.
6. Shut down and unplug Total Recall VR Audio Mixer from telephone jacks, and then from power outlets, prior to moving or cleaning.
7. Do not open Total Recall VR Audio Mixer. There are no user serviceable parts inside Total Recall VR Audio Mixer. Refer all servicing to qualified personnel.

4.2. Rack Mount Shelf

A rack mount shelf is available for installation of multiple Total Recall VR Audio Mixers into an equipment rack.

Use the shelf to install 4 Total Recall VR Audio Mixers so that the whole assembly is 1RU high.



Alternatively, use the shelf to install 16 Total Recall VR Audio Mixers so that the whole assembly is 3RU high.



[End of document]