



La Remote

USER MANUAL





Thank you for choosing Trinnov Audio !

This unique remote controller is the perfect companion to any Trinnov processor. It will adapt to the most complex set up and fit instantly into your workflow with eight custom keys and unlimited layers.

A precisely calibrated level is always displayed on, ensuring constant quality and confidence in your listening experience, this new companion will preserve you daily from hearing fatigue.

User Manual

The latest version of this user manual can be freely downloaded from our website <https://www.trinnov.com/>

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Safety Instructions

To ensure optimal performance, please pay attention to the instructions in this Quick Start Guide:

- *Read carefully and completely these instructions before using the device. Keep these instructions. Follow all instructions.*
- *Install the apparatus on a solid, flat, level surface that is dry.*
- *The apparatus must not come into contact with water. Do not expose this apparatus to humidity, steam, smoke or excessive dampness or dust. Do not expose this apparatus to dripping or splashing.*
- *Clean only with a dry cloth. Do not use liquid solvent-based cleaners.*
- *Maximum permissible operating conditions: 0 °C to 40 °C, 20-65% relative humidity.*
- *Unplug this apparatus during lightning storms or when unused for long periods of time.*
- *Do not open the equipment case or remove any of the cover panels. There are no user-serviceable parts in this equipment.*

Repair work must only be carried out by qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as, liquid has been spilled, or the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped. Unauthorized servicing/repair voids warranty. Changes or modifications of the apparatus not approved by the manufacturer may void the warranty and guarantee.

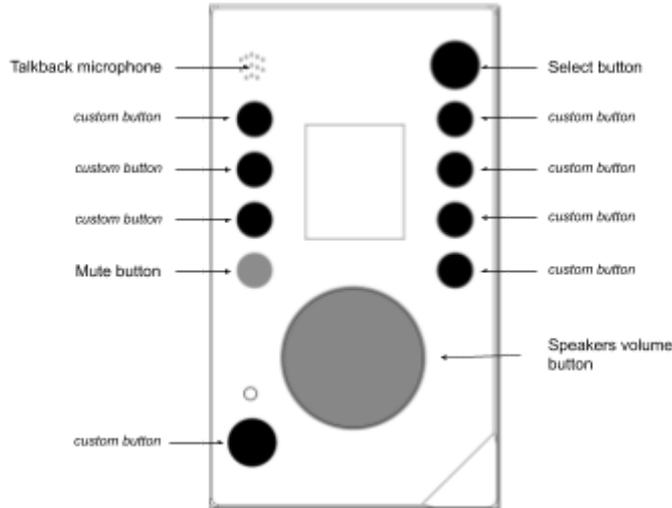
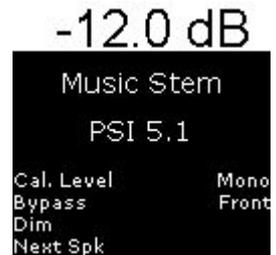
- *Use only attachments/accessories specified by the manufacturer.*
- *The apparatus is a digital control interface for professional audio applications for use with CE approved class B computers with USB slots.*
- *To comply with the European CE standard, the apparatus must be used with a CE approved Class B computer. All connecting cables must be shielded.*
- *The computer and all cables connected to the apparatus must be properly grounded. Operation with non-certified computers and cables may cause interference to other devices as well as the apparatus.*

Overview

La Remote includes a main volume big knob, a select knob, nine buttons, and a built-in Talkback microphone.

The Volume knob and Mute button (light gray) have fixed functions. They control the volume and mute of the active speaker set.

All the other buttons can be customized and be assigned to a specific function across multiple user-definable layers. To switch from a layer to another, use the top-right Select knob. Each button function is displayed on the screen. Depending on its function, the button's backlight will inform you of its status.



Wiring Setup

You can choose to plug *La Remote* either:

- On the USB port of your DAW computer (i.e. at the keyboard or screen integrated USB hub) with the supplied cable. You will need the freely available "*Trinnov App*" to forward *La Remote* connectivity via a network up to the Trinnov Processor. Currently, only the macOS version is available. See the "*Trinnov App*" paragraph below for more information.
- Directly on your Trinnov device, in one of the available front or rear USB ports. This solution has the main advantage of keeping your remote working while your DAW may be shut down or the *Trinnov App* not launched. A USB extension cable could be used, up to 3 meters. If you need longer distances, a USB extender like the "LINDY USB 2.0 CAT5 Extender" may be used for this purpose.

There is no need for an external power supply. *La remote* is a USB powered device. If you use any USB hub or extender, keep in mind that the device consumption will be up to 200mA.

Compatible software versions:

For ST2 PRO and MC PRO products, based on a 3.8 software release, a free update is required. To be compliant with *La Remote*, you need to update your Trinnov device to software release 3.8.42 or above. Please contact your sales representative to proceed with the update.

For D-Mon and Altitude products running 4.2 software release, a free update is also required. To be compliant with *La Remote*, you need to update your Trinnov device to software release 4.2.2.18 or above for D-Mon and 4.2.17 for Altitude. You can update the Trinnov device on your own, after registering it at <https://my.trinnov.audio> account.

The Trinnov support team is also available for assistance at support@trinnov.com.

V3.8.x usage (ST2 Pro & MC PRO) :

Volume

The top header of the screen always displays the current volume of the machine. Keep in mind that this volume integrates a potential DIM state.

The central big volume knob always controls the current speaker set volume.

The mute button on the left side always controls the mute of the current speaker set. It will be illuminated in red when activated.



Layers

Several pre-configured and fixed layers are available. It is not possible to configure them with this Trinnov software release other than customizing the parameters of the Trinnov machine itself. The layers will self-adapt depending on the machine current setup: this also means that the features displayed will automatically change accordingly from a preset to another.

The following layers are available:

- Monitoring
 - On the left side, buttons to control:
 - Bypass
 - Bass management
 - DRC
 - Dim
 - On the right side:
 - Source selection (depending on the configured ones, several pages may be generated to display all available source items)
- Meters
 - Machine input level
 - Machine output level
- Speakers solo & mute
 - Solo or Mute mode
 - Per speaker activation. If more than 7 speakers are used in the current source, activations buttons are shortcuts to layers (front, center, front L/R, surround, height and subwoofer)
- Downmixes (depending on the configured ones, several pages may be generated to display all available items)
- Presets recall (several pages may be generated to display all presets. The "built-in" is not displayed. Make sure to set a custom name to each preset to ensure a readable name label on the display.)
- Profiles recall (MC product range only) several pages may be generated to display all profiles or sources.
- Network
 - IP and mask values
 - Ethernet link status
 - Service uplink connection status
 - Network mode selection: DHCP or fixed to IPv4 192.168.1.5 and mask 255.255.255.0
- Clock
 - Adjust synchronization, as external or internal with the selected sampling frequency.
NB: high sampling rate (192kHz) may not be available for all products. Check the Trinnov reference manual of your Optimizer regarding the accepted sampling frequency range.
- Optimizer
 - Acoustic correction, time alignment, delay alignment
 - Bypass
 - Remapping OFF, Auto, 2D, 3D

Lighting adjustment:

It is possible to adjust the display backlight of the screen along with the intensity of the buttons when they are lit. To do so, press and hold the select button and turn this select button. This lighting adjustment is persistent after a machine power cycle.

Volume sensitivity adjustment:

It is possible to adjust the sensitivity of the main volume button. To do so, engage the mute button then press and hold the select button and turn the volume button. This volume sensitivity adjustment is persistent after a machine power cycle.



V4.x usage (D-Mon, Altitude) :

Volume



The top header of the screen always displays the current volume of the machine.

The display value could be set up to:

- a relative scale in "dB",
- an absolute "dB C" once calibrated
- alternatively, a cinema scale.

The main big volume knob always controls the current speaker set volume.

The mute button, on the left side, always controls the main mute overall speakers. It lit red once the mute was engaged.

Configuration setup

La remote is a fully configurable device. It is possible to access the setup page:

- Via the "Trinnov App" (in the control menu, choose "La Remote setup")
- Alternatively, open in a web browser at the URL http://<device_ip>/remote/setup.html



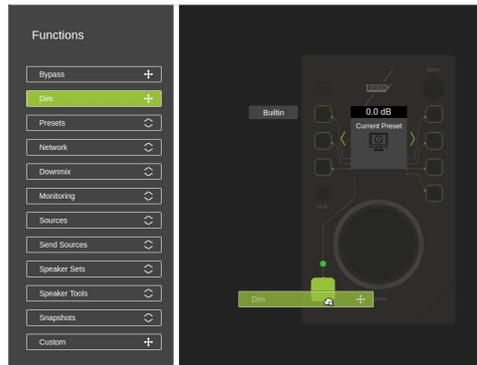
Layers

It is possible to create multiple pages of button layout, according to your needs. This feature greatly enhances the possibilities of La Remote.

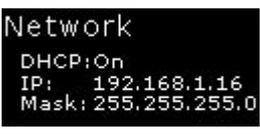
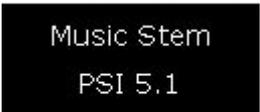
At the first device plug, A default set of layers is generated for the main adjustments. It is possible to get back to this automatically generated set of layers by hitting the reset button. Reset will automatically regenerate a completely new set of layers according to the current configuration.

To show and edit a layer, click on its name on the right panel. It will then be displayed on the center panel. Double-click to edit its name. Click the minus button at the bottom to delete a layer, or the plus button to create a new blank one.

To assign an action to a button in a given layer, simply drag-drop a function on the left side upon a button to target a new action.



The center part of the screen (between the top level and the buttons assignments labels) is also customizable. You can select one of the following :

Screen function	Description	Machine availability	Screen Sample
 Meters	Display the output meters of the machine.	all	
 Current Preset	Display the currently loaded preset	all	
 Network params	Display the network IP and mask of the machine.	all	
 Current speaker set and source(s)	Display the currently selected speaker set, along with the currently selected source. If more than one source is selected (sum mode), the first source is displayed prefixed with a "+"	D-Mon	
 Headphone Volume	Display the current headphone source and volume. A click on the select button allows you to enter into the headphone volume edition mode, and therefore the select knob is used to adjust the headphone gain. A new click on the select button reverts to the normal layer switch function for the select knob.	D-Mon	 

 Speaker solo & mute	Display a small grid representing the active speakers (filled) or not (with a border only). The subwoofers are labeled with a "S".	D-Mon	
 Snapshots	Display the currently loaded snapshot, if any	D-Mon	
 Custom Logo	Display a user logo. See "Custom logo" below.	all	
 Current Codec	Display the current codec information.	Altitude	
 Network audio source	Display the information about the current content played over the network DLNA or Roon.	Altitude, Amethyst	
 Current profile/source	Display the currently selected source	Altitude, Amethyst	

Lighting adjustment

The lighting adjustment will allow you to finely adjust the visibility of *La remote* depending on its environment. There is separate control over both the buttons and the screen backlight

Volume sensitivity adjustment

The volume knob sensitivity adjustment will allow you to finely adjust the feeling of the main big knob of *La remote*. Also, it is possible to enable an accelerated enhancement, for quicker volume moves.

Custom logo

It is possible to upload a custom PNG picture sized at 128px per 103px. This picture can be displayed in any layer that has the "logo" feature selected.

You can also choose to display this logo in a bigger presentation once the mute is engaged over the buttons labels. To activate this, check the ad hoc button on the right panel.



Backup & Restore

The setup for La Remote is automatically saved into the Trinnov device. You can export this setup to quickly re-apply it later or onto another device. Please note that the logo file, if set, is not included in the exported file and should be back up separately.

Talkback microphone

An internal microphone is available for talkback purposes. Once connected to your DAW, La remote will be automatically recognized as a microphone input. You can then forward this signal up to your monitoring chain. Helper software like Voicemeter (<https://vb-audio.com/Voicemeeter/index.htm>) may help with this task.

Custom commands

It is possible to reach about any internal Trinnov Optimizer function. If you need advanced integration or have custom needs, it is possible to build a "one-button" shortcut for your needs.

As a matter of example, it is possible to integrate an external device on the same network and emit a network HTTP POST request to it with this configuration :

Function	Custom
Label	User
Action path	/rest
Action Type	String
Action value	http://192.168.0.10/action.cgi?relay=1&state=on
Busy Blinking	<input type="checkbox"/> Slow Blinking
<input type="button" value="Apply"/> <input type="button" value="Close"/>	

Please note that contacting our support team at support@trinnov.com for assistance regarding such custom requests may be subject to specific fees.

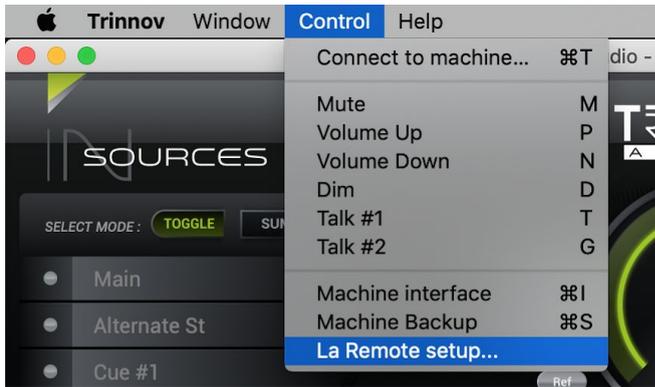
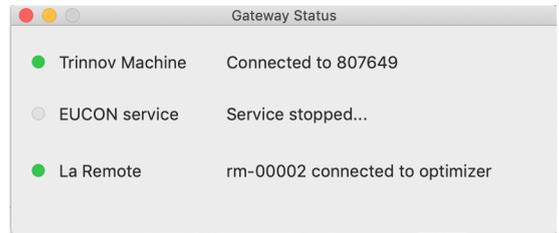
Trinnov App support

It is possible to plug La Remote directly into the DAW. It does not require any driver, as *La Remote* follows the usb-midi and usb-audio standard.

La Remote requires the Trinnov App starting with version 3.1. You can download the latest version from <https://www.trinnov.com/>

Once connected, the "Trinnov App" status window will confirm the remote connection.

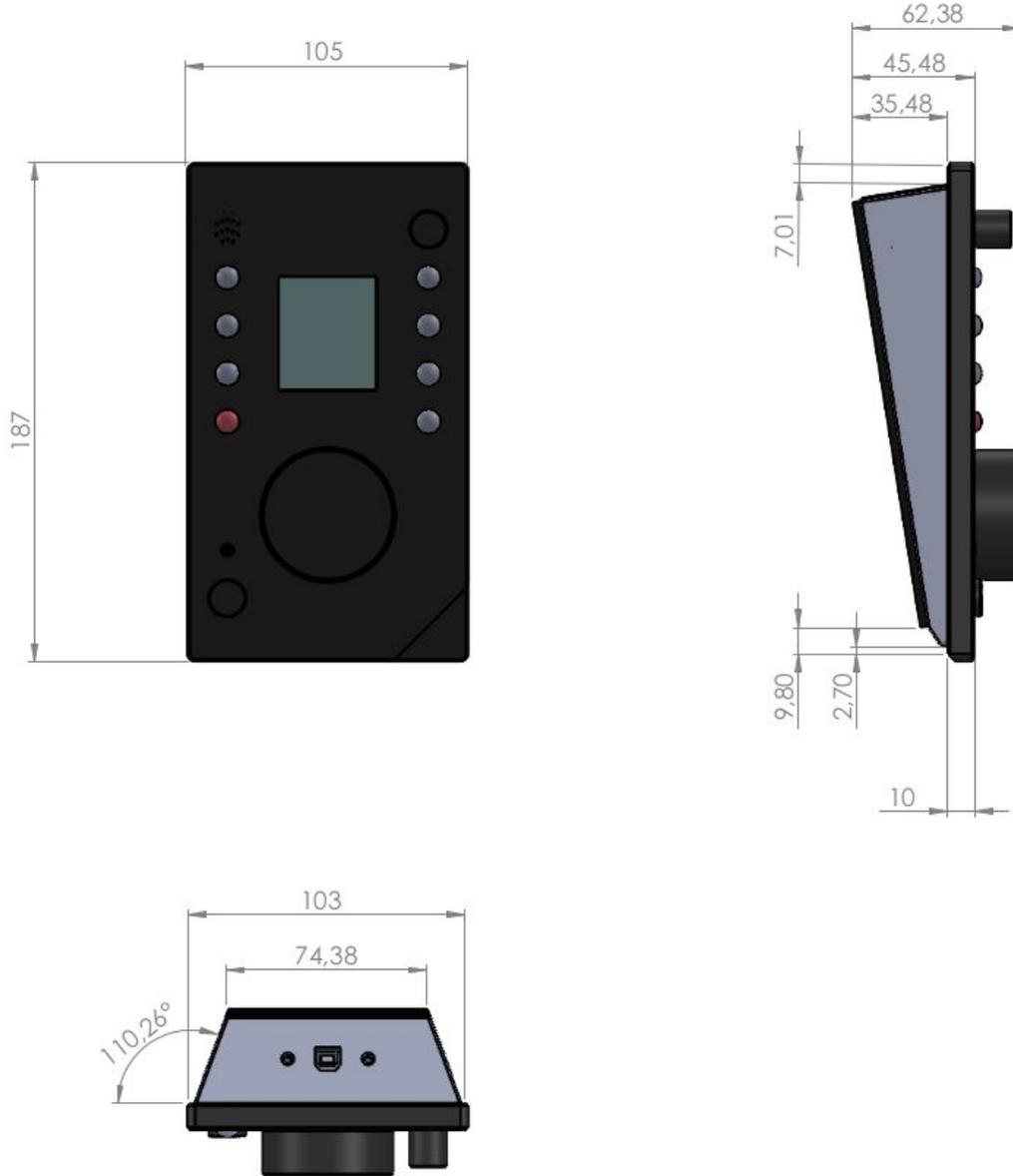
To open the remote setup window, select the ad hoc entry in the "Control" menu.



Troubleshooting

- **Once connected directly to the Trinnov processor, La Remote device stays on the “welcome” screen.**
=> Your Trinnov device requires an update to be compatible with *La Remote*. Please contact your sales representative to proceed with the update.
 - **Once connected directly, the remote device stays on the “initialization, please wait...” screen.**
=> *La remote* has been recognized but a fatal error prevents the complete initialization.
Ensure your Trinnov processor is powered up and able to connect to the internet, then contact Trinnov support for assistance support@trinnov.com
 - **If you would like to set up your own button combination but the setup.html is not accessible**
=> Custom button mapping is only available with Trinnov processors running a software version 4.x or above.
 - **I uploaded a logo but once the selected layer with a logo is active, a “logo not found” is displayed instead of the logo.**
=> Unplug and re-plug *La Remote* to force the logo transfer.
- I would like a specific function <xxx> to be available in one of the custom buttons and this function is not listed in the available ones on the Setup page**
=> If your Trinnov processor is running software version 4.x, this may be possible. Please contact our support for investigating your request. Please note that such specific integration requests may be subject to specific fees.
- **I purchased a specific USB cord but La Remote is not recognized or has not consistent behavior.**
=> *La Remote* is compliant with the USB standard 1.1 Full Speed Mode, and the cable length should not exceed 3 meters. If you need a longer distance, please choose one of the other options in the Wiring Setup paragraph above. Avoid USB extension cable, prefer one single USB cable.
 - **I plugged La remote directly into the computer keyboard and I got a warning about a USB deactivation due to high consumption.**
=> *La remote* requires up to 200mA, and the global consumption of some keyboard plus *La Remote* may exceed the capacity of your computer USB port. You can try to lower the LED intensity by plugging temporarily *La remote* directly into the Trinnov processor. Alternatively, a powered USB hub could be inserted before your computer keyboard to help the integrated power supply of your computer.

Mechanical specifications



measures are in millimeters, +/- 0.1