

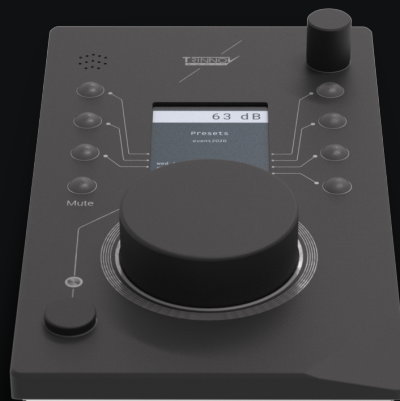


La Remote

USER MANUAL



Last update: March 2024



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 setup 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 monitoring experience.

User Manual

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

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IMPORTANT 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.

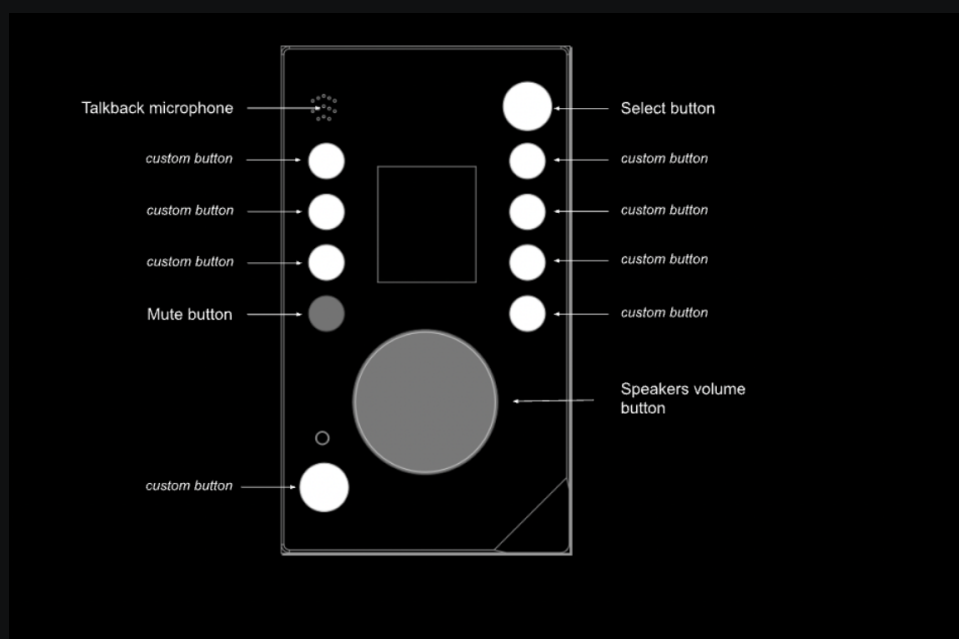
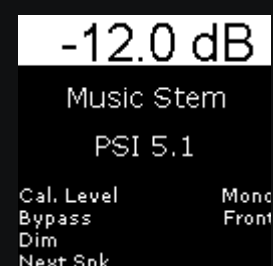
1. ABOUT LA REMOTE

1.1 OVERVIEW

La Remote is a device specifically designed for Trinnov processors.

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.
- The talkback microphone is not implemented yet to work with a connection through the processor .



1.2 DEVICE COMPATIBILITY

Intended for our professional product range, La Remote is nonetheless compatible with the entire range of processors designed by Trinnov Audio, including our commercial cinema and consumer products.

Depending on the device you use La Remote with, some differences exist.

Device	Setup Method	Features
ST2 Pro MC Processors	Fixed Layers and Features Options can be set directly on La Remote	Standard features: · Volume Control (Mute, Dim, Reference level recall) · Downmixes selection · Sources selection · Preset and profiles recall · Per speaker / group solo / mute grid · Network setup · Input / Output meters · Optimizer runtime options · Audio clocks
D-MON NOVA	Fully customizable buttons and layers Web User Interface with drag'n drop configuration	Standard features + · Speaker set / Source / Snapshot recall · Headphone Volume control · Talkbacks activation · Custom Logo · Backup/Restore configurations

1.3 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.

1.4 BEFORE YOU START

If you just purchased your processor and La Remote, your devices should have been delivered with the latest software versions.

If you were already a Trinnov Processor owner and just purchased La Remote, you need to make sure that your Trinnov processor is running the latest software version and includes La Remote support.

1.4.1 Update your Trinnov Processor

The current software version of your Trinnov Processor is indicated in the About Page of the User Interface.

Device	Required Software Version	Update Method
ST2 Pro MC Processors	3.8.40 or above	1/ Make sure your Processor is online and connected to the internet 2/ Contact your Trinnov representative or contact us
D-MON	4.2.2.18 or above	1/ Make sure your Processor is online and connected to the internet 2/ Contact your Trinnov representative or contact us
NOVA	1.0.17 or above	1/ Make sure your Processor is online and connected to the internet 2/ Connect to the Trinnov application and check for updates

1.4.2 Update La Remote Firmware

Please ensure the firmware (La Remote internal software) is also up-to-date.

As you plug La Remote to an up-to-date Trinnov processor or to the Trinnov application, your remote controller will flash if a new firmware is available.

In order to update La Remote with the latest firmware version to benefit from all its latest features, please visit https://my.trinnov.audio/remotes_update from a Google Chrome or Microsoft Edge web browser and follow the instructions.

Just beware that you will be required to plug La Remote to the same computer used to browse this website.

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

2. USING LA REMOTE WITH AN ST2 PRO/MC PRO

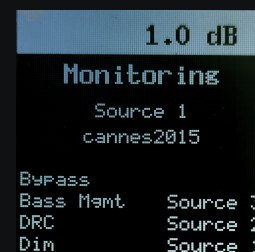
2.1 VOLUME

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 display value could be set up to:

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



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

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

Important note: if a reference level is set, it will always be displayed in dB on La Remote, regardless of the display value.

2.2 SETUP

Important note: all settings are stored automatically inside the Trinnov processor and not inside La Remote.

To activate La Remote setup mode, **double click on the top select button**: the center part of the screen displays the current setting name and value.

While in this setup mode, it is possible to change the current value with the select knob:

- A simple push on this same select knob jumps to the next setting.
- A double push exits the setup mode.

While in the setup mode, all other buttons including mute and volume remain active.

The available settings in this setup mode are:

1. **Volume sensitivity adjustment:** it is possible to adjust the sensitivity of the main volume button with a 0.5dB step, from 0.5dB per step up to 6dB per step.
2. **Volume acceleration:** With a very fine volume sensitivity (likely 0.5dB per step), it may be hard to quickly reach extreme values. With volume acceleration enabled, the dB per step value is increased with the rotation speed.
3. **Reference volume recall level:** It is important to define your constant working level, which will be quickly available on the first layer. This recall value refers to the dBFS attenuation value of the volume. If you want to display an absolute dBC value after your calibration, you can enable this in the Trinnov interface, under the "Processor" tab, "Master" subtab, in the "Level display offset frame" select the "dBC" button. The recall value will be the one when this "dBC" button is not engaged.

4. **Sources only mode:** It is possible to reduce the number of available layers to the strict minimum, to avoid user misuse. Activating this mode will leave the sources selection and speaker solo & mute only, hiding the other layers.
5. **Screen backlight Lighting adjustment:** It is possible to adjust the display backlight brightness of the screen.
6. **Screen invert video:** It is possible to shift the display of the screen for a better readability, depending on your lighting conditions.
7. **Buttons lighting adjustment:** It is possible to adjust the intensity of the buttons when they are lit, to perfectly match your lighting conditions.

2.3 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's current setup: this also means that the features displayed will automatically change accordingly from a preset to another.

The following layers are available:

Layer	Display	Left Buttons		Right buttons
Monitoring	Source name Preset name	Reference level recall		Source selection (depending on the configured ones, several layer pages may be generated to display all available source items)
		Bypass <i>(hidden in source only mode)</i>		With only 2 sources: Speaker Solo Left & Right
		Bass management On/Off (if any subwoofer declared)		With a single source Mono to Center / Mono to L/R Downmix
		Dim		
Meters	The screen shows the Input and Output meters. The top line indicated the 0 dBFS upper limit The steps below are referring respectively to -6dBFS, -12dBFS, -24dBFS, -48dBFS. The lower limit of the meters is -76dBFS.			
Speakers solo & mute	Speakers Solo/Mute	Solo / Mute mode (Talkback button) Speakers listed across all buttons: Each speaker name if only 7 speakers Front, Center, Front L/R, Surround, Height, Sub if more than 7 speakers		
Downmixes	Submixes	Depending on the Downmixes available in your preset		
Presets	Presets	Depending on the presets configured on your Trinnov Processor, a different amount of presets will be available for recall. Several pages may be generated. The “Built-in” preset it nos displayed		
Profiles (MC Only)	Profiles	One button per profile available		
Network	Network IP Address Mask value	Ethernet Link Status Service Connection Status		Static Mode DHC Mode
Clock	Clock Mode Sampling Rate	Clock modes selection		
Optimizer	Optimizer	Acoustic Correction On/Off Level Alignment On/Off Delay Alignment On/Off Bypass		Remapping 3D Remapping 2D Remapping Auto Remapping Off

3. USING LA REMOTE WITH A D-MON/ALTITUDE

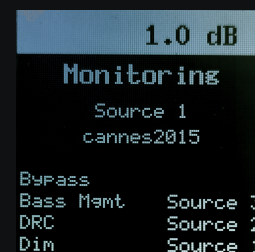
3.1 VOLUME

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 display value could be set up to:

- a relative scale in "dB",
- an absolute "dB C" once calibrated
- alternatively, a cinema scale.(D-MON only)



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

The mute button always controls the mute of the current speaker set.

It will be illuminated in red when activated.

Important note: if a reference level is set, it will always be displayed in dB on La Remote, regardless of the display value.

3.2 SETUP

When used with D-MON, La Remote can be fully configured via a dedicated configuration page.

The setup page can be accessed either:

- Via the "Trinnov App". In the control menu, choose "La Remote setup"
- From a web browser by typing the following URL: http://<device_ip>/remote/setup.html

This is the configuration user interface.



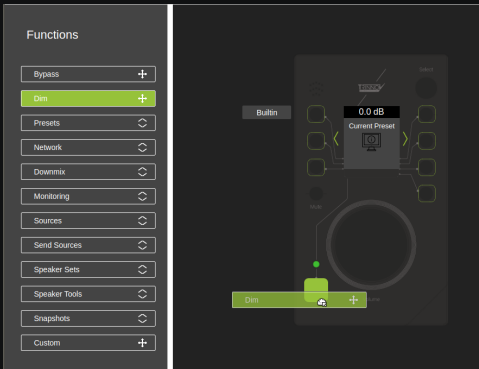
3.2.1 LAYERS

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 an entirely new set of layers according to the current configuration.

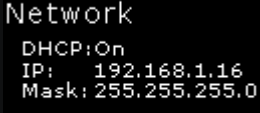
To show and edit a layer, click on its name on the right panel. It will then be displayed on the center panel. Double-click to edit its name. Click the minus button at the bottom to delete a layer, or the plus button to create a new blank one.

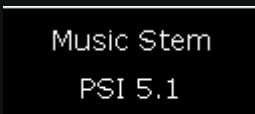
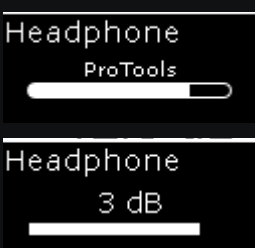
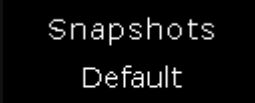
To assign an action to a button in a given layer, simply drag-drop a function on the left side upon a button to target a new action.



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	

3.2.2 OTHER SETTINGS

Besides layouts, other settings are available:

- **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 with fast knob movements.

3.2.3 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.



3.3.4 BACKUP & RESTORE SETTINGS

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.

4. USING LA REMOTE WITH A NOVA

4.1 VOLUME

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

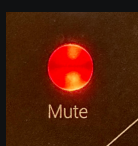
Keep in mind that this volume integrates a potential DIM state.

The display value could be set up to:

- a relative scale in “dB”,
- an absolute “dB C” once calibrated



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

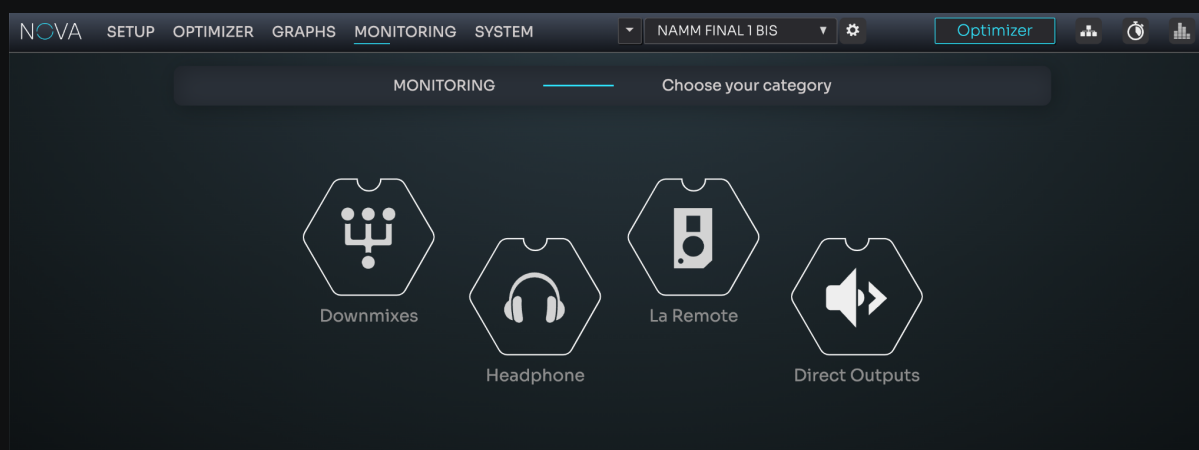


The mute button always controls the mute of the current speaker set. It will be illuminated in red when activated.

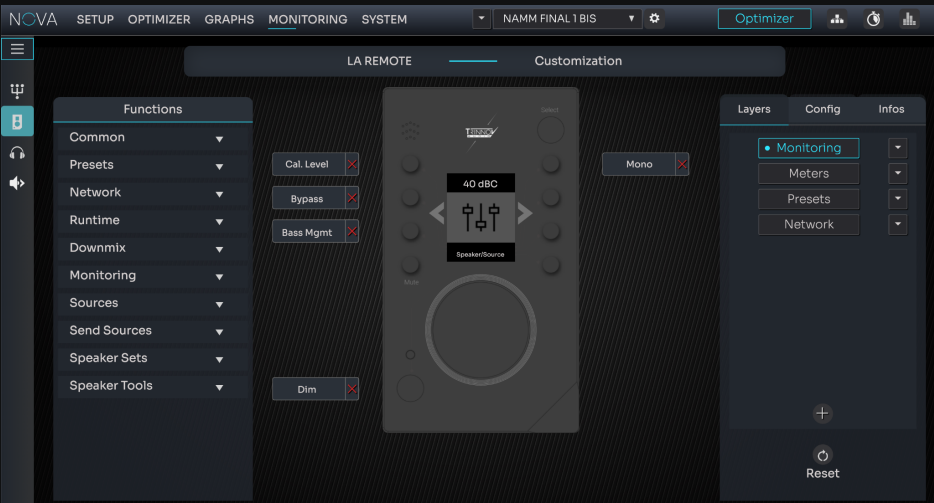
Important note: if a reference level is set, it will always be displayed in dB on La Remote, regardless of the display value.

4.2 SETUP

When used with NOVA, La Remote can be fully configured via a dedicated configuration page. Click on Monitoring then select La Remote .

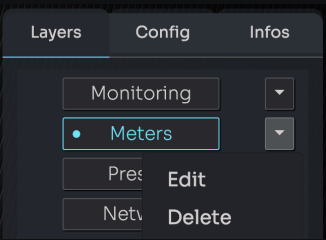


This is the configuration page :



4.2.1 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 an entirely 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. Click on the arrow to edit its name or to delete a layer. The "+" button will create a new blank layer..

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	Presets Builtin
 Network params	Display the network IP and mask of the machine.	all	Network DHCP: On IP: 192.168.1.16 Mask: 255.255.255.0
 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 /NOVA	Music Stem PSI 5.1
 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 /NOVA	Headphone ProTools  Headphone 3 dB 
 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 / NOVA	
 Custom Logo	Display a user logo. See "Custom logo" below.	all	-12.0 dB  ProTools Sequoia Pyramix Nuendo Toggle Talkback Sum

4.2.2 OTHER SETTINGS

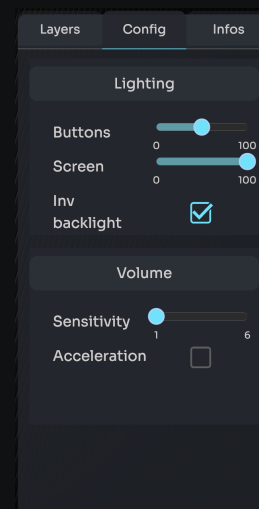
Besides layouts, other settings are available:

Lighting:

- The lighting adjustment will allow you to finely adjust the visibility of La Remote depending on its environment.
- There are separate controls over both the buttons and the screen backlight
- You can also invert the backlight .

Volume :

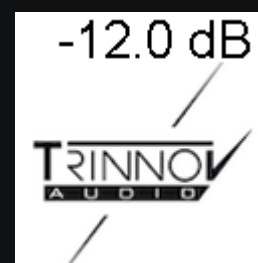
- **Sensitivity:** the volume knob sensitivity adjustment will allow you to finely adjust the feeling of the main big knob of La Remote. The steps can be set from 1 dB to 6 dB .
- Also, it is possible to enable an accelerated enhancement, for quicker volume moves with fast knob movements.



4.2.3 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.



4.3.4 BACKUP & RESTORE SETTINGS

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.

Appendix

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.

The ST2 does not feature a talkback circuit, only the D-MON has such capabilities. Also, currently, if you plug directly La Remote to the ST2, D-MON or NOVA it is not possible to output its signal directly to one of the physical audio outputs.

The talkback mic is directly available as a USB audio input into your macOS workstation (windows support is ongoing), so you can use it directly with your preferred audio software, or forward it to your talkback/mixer system, or to the Trinnov D-MON or NOVA via a standard audio interface.

Custom commands (D-MON only)

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 :

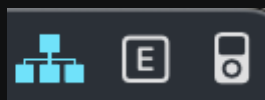
Function	Custom
Label	User
Action path	/rest
Action Type	String
Action value	http://192.168.0.10/action.cgi?relay=1&state=on
Busy Blinking	Slow Blinking ☐
Apply Close	

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

Firmware update

It is recommended to update to the latest firmware (internal software) version to benefit all the features. To proceed with the update, visit https://my.trinnov.audio/remote_update.

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/en/resources/trinnov-app/>

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

- 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.

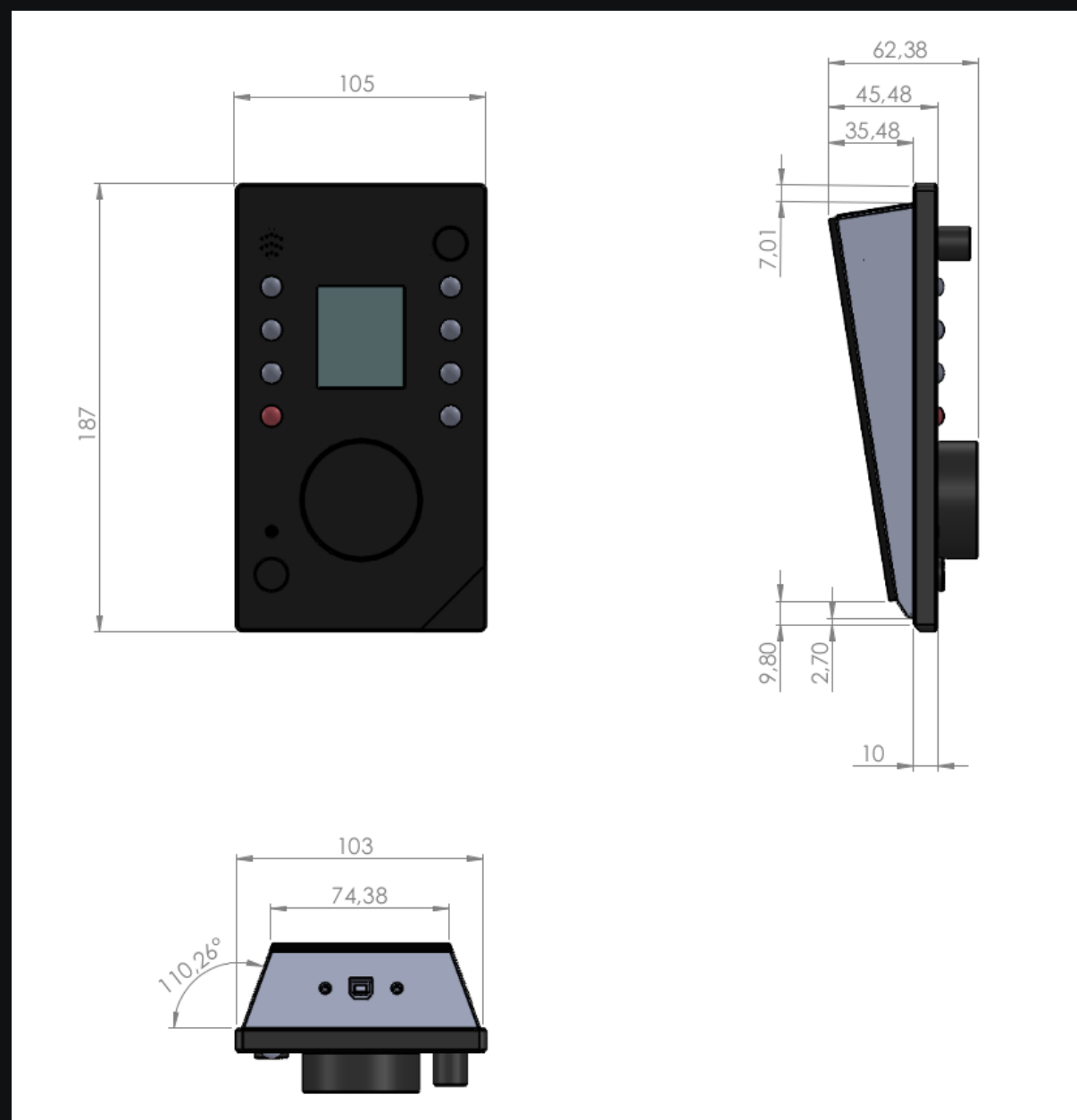
- I purchased a specific USB cord but La Remote is not recognized or has not consistent behavior.

- 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