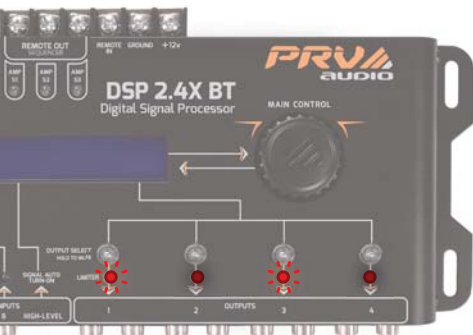


LIMITER INDICATOR LEDs:

The LEDs indicate when the Limiter function is active on the corresponding channel. Even when the limiter is not enabled, the LEDs still function as signal saturation indicators.



LEDs On:

Limiter active



LEDs Off:

Signal within
normal parameters

> LEVEL CONTROL / OUTPUT GAIN

Allows individual gain adjustment for each output from -45 dB to ± 15 dB, with 0.1 dB precision.

MASTER LVL: 55%
OUT1: +0.5 dB



The **MASTER LEVEL** controls the overall volume from 0 to 100%, either through the app or directly on the processor. On the same screen, you can access individual channel adjustments and the **MUTE** function.

> MUTE

Outputs can be quickly enabled or disabled using the corresponding **HOTKEY** shortcut. Additionally, on the

MUTE screen, you can manually control the channels, turning each output on or off individually, or all at once. In the app, the **MUTE** button is located in the Master Level section interface, allowing you to control the outputs directly from your smartphone.



OUT3: OFF
MAIN(ALL): ON

MAIN MENU ▶ SAVE / LOAD

> SAVE / LOAD ON THE PROCESSOR

You can store up to 3 profiles in the processor's internal memory, which can be loaded at any time with all previously adjusted parameters. Each profile can have a custom name.

The processor also features automatic saving: all parameter and setting changes are recorded immediately. This ensures that no configuration is lost, even if the product is powered off during adjustments.

To load previously saved parameters, use the **LOAD** menu. To return to the original settings, you can restore the factory parameters through the **DEFAULT** memory.



SAVE MEMORY1
Memory1



LOAD
Default



CONFIRM LOAD?
NO [YES]

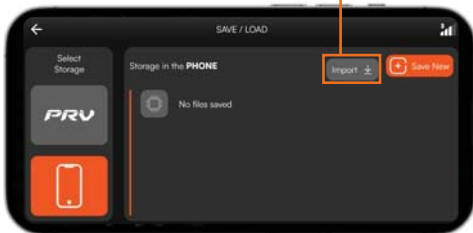
In the app, you can manage configuration profiles. Icons for **SAVE**, **LOAD**, and **EDIT** are available, allowing you to customize profile names.



> SAVE / LOAD ON THE SMARTPHONE

The app allows you to save settings directly to your smartphone's memory, making it easy to store and organize different profiles. Files can be shared with other users via messaging apps, email, or cloud storage platforms. When tapped, the system automatically recognizes them and offers the option to open them in the app, streamlining the loading process to the processor.

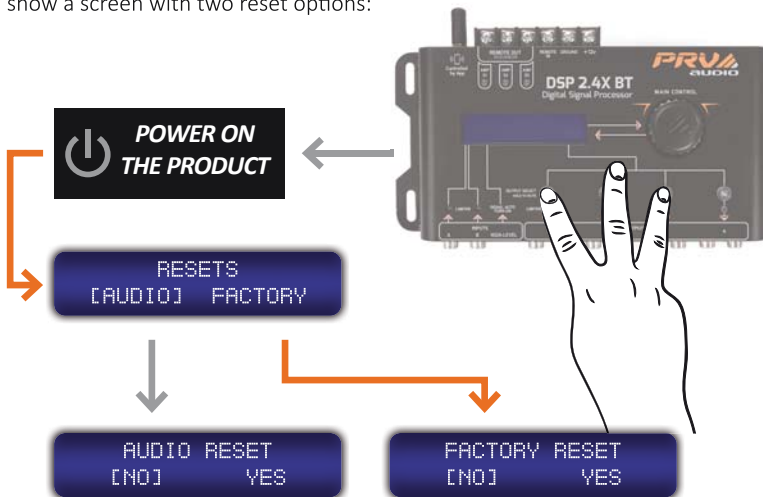
The **IMPORT** function allows you to load previously saved **PRV** settings. To use it, open the "Import" icon in the app and locate the file in the device's folders.



 This function is only available in the app and cannot be configured through the processor.

> AUDIO / FACTORY RESET

If necessary, you can restore all of the processor's original parameters by simultaneously holding the HOTKEY shortcuts for outputs 1, 2, and 3 while powering on the unit. If performed correctly, the processor's display will show a screen with two reset options:



AUDIO: Restores only the audio settings, keeping passwords and other adjustments intact.

FACTORY: Restores all settings, including audio parameters, passwords, and general adjustments.

Use the encoder to select the desired option and confirm by pressing it.

In the app, this feature is available under **Settings > Restore Product**.

When selecting this option, two alternatives will be displayed (**Audio and Factory**), the same ones available when performing the reset directly on the processor:



MAIN MENU ► COPY CHANNEL

Allows you to copy all audio settings from one output channel to another.

The copied parameters are: **OUTPUT PARAMETRIC EQUALIZER, ROUTING, CROSSOVER, ALIGNMENT, PHASE INVERSION, LIMITER, GAIN, and MUTE.**

COPY CHANNEL
Source: OUT1



COPY CHANNEL
Destination: OUT2



On the **COPY CHANNELS** screen, first select the **SOURCE** channel on the left side and then the **DESTINATION** channel on the right side. Next, tap **COPY** to transfer all settings from the source channel to the destination channel.

SETTINGS ► CHANNEL LINK

This function allows you to link pairs of output channels. When enabled, all audio settings made on the source channel will automatically be applied to the linked channel.

This feature is ideal for stereo setups or systems with duplicate speakers, as it simplifies the adjustment process and ensures consistent sound between channels, eliminating the need to configure each one separately.



Input parameters, signal routing, and channel mute are not affected by **CHANNEL LINK**. In other words, even when channels are linked, you can still keep inputs and signal paths independent.

LINKS: NO LINK
OUT: 1 2 3 4



LINKS:  OUT: 1 2 3 4



LINK 1->2
NO [YES]



Set the source and destination channels (e.g., **CH1 > CH2**). The link will be indicated by an icon. Tap Save Changes to apply. To unlink, select Delete for the corresponding pair.

SETTINGS ► PASSWORD / SECURITY

Enable the processor lock to prevent local adjustments, saving, and loading of settings. The Lock/Unlock option is available in the menu.

DEFAULT PASSWORD:

1234

SECURITY
Lock/Unlock

ENTER PASSWORD

To change the **PROCESSOR** password, use the **Change Password** option. Both passwords must be 4 digits (Numbers only).

SECURITY
Change Password

CHANGE PASSWORD
CurrentPW: ____

On the app's home screen, go to **Settings > Security Password** to make changes.



The password and lock are synchronized between the processor and the app. When the password is changed in one, it is automatically updated in the other.

With the lock enabled, the processor is completely restricted from any changes — its functions cannot be accessed or adjusted directly. However, if the app is connected with the correct password, settings can still be adjusted normally through it.

MAIN MENU ► AUDIO GENERATOR

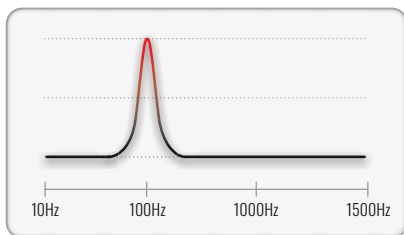
The processor and the app provide two tools to assist in system tuning: the FREQUENCY GENERATOR and the FREQUENCY SWEEP.

Both act as internal signal sources, routed to all outputs. While using these functions, inputs A and B are automatically replaced by the generated signals, allowing normal application of adjustments and settings to each output.

> FREQUENCY

Allows you to generate a specific frequency with gain control.

Press the **MAIN BUTTON** to switch between the editable parameters: **FREQUENCY**, **GAIN**, and **ON/OFF**. With the generator activated, you can adjust the frequency and gain in real time, as well as modify other audio parameters of the processor.



TONE GENERATOR
freq: 100 Hz

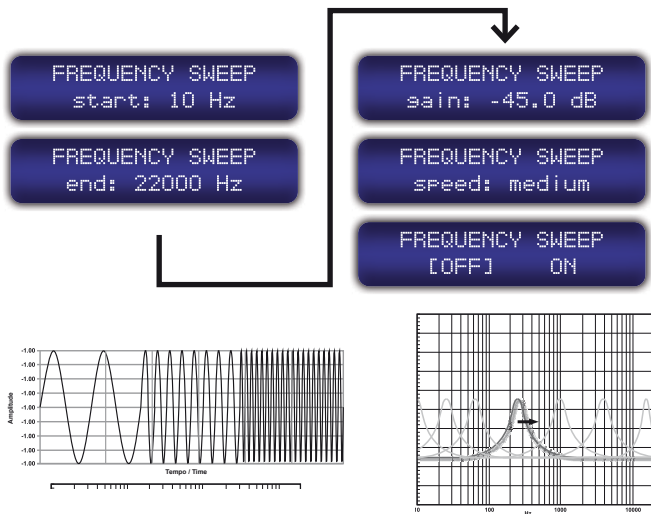
TONE GENERATOR
gain: -45.0 dB

TONE GENERATOR
OFF [ON]



> SWEEP

Allows you to perform a frequency sweep, with adjustments for start frequency, end frequency, gain, sweep speed, and **ON/OFF** activation. When activated, the sweep runs in a continuous cycle. On the processor, you can stop the process by pressing a **HOTKEY** or turning the **MAIN BUTTON**.



On the application screen, you can configure all sweep parameters: start and end frequency, gain, sweep speed, and **ON/OFF** activation.



MAIN MENU ► SCREENSAVER

 This function is available only on the processor and cannot be configured via the application.

The processor has a screensaver function, displayed when the product is powered on or when returning to the main menu. You can set a scrolling text of up to 15 characters.



SCREENSAVER
DSP 2.4% BT

MAIN MENU ► LANGUAGE

 This function is available only on the processor and cannot be configured via the application.

On the processor, you can select the system display language from: **ENGLISH**, **PORTUGUESE**, and **SPANISH**.



LANGUAGE
<< ENGLISH >>

MAIN MENU ► SEQUENCER

Allows the remote activation of multiple products in sequence.

The processor has three outputs (**S1, S2, and S3**) that turn on or off in sequence as soon as a signal is received at the remote input (**REM IN**). The activation and deactivation times can be configured independently, with adjustable values from 0 to 4 seconds.

SEQUENCER
Time

Time ON : 0.5s
Time OFF: 2.0s



If the configured time is set to **0 seconds**, all outputs will turn on or off simultaneously.

Each sequencer output can be turned on or off independently. If an output is set to OFF, it will not be activated when the processor is powered on again until this setting is changed.

SEQUENCER
ON/OFF

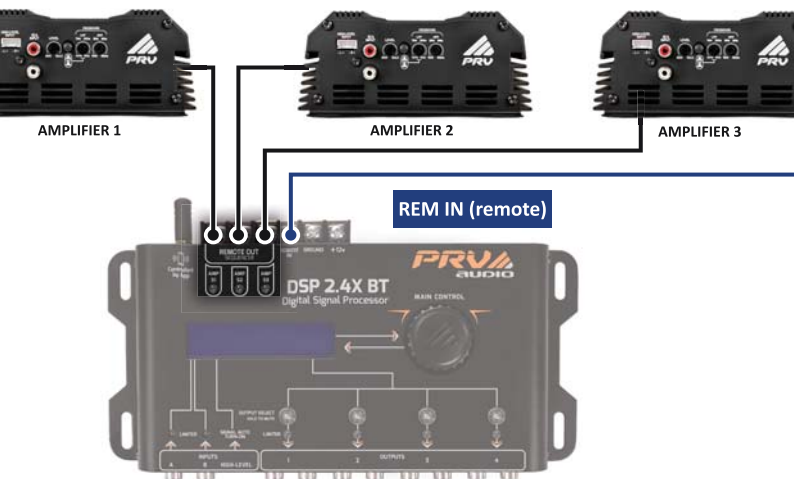
SEQUENCER
S1: ON



Set the amplifier activation time by defining the delay time for power-on and power-off.

Sequencer Installation Example

For remote output connections, use cables with a minimum cross-section of **18 AWG**



Troubleshooting

In cases of malfunction or abnormal product behavior, these tips can help with troubleshooting and problem-solving:

PRODUCT WILL NOT TURN ON

- Check if the cables are properly connected and if all connections have both electrical and mechanical contact.
 - The fuses may be faulty or blown. Check their condition and make sure they match the specifications recommended for the equipment.
 - Verify that the battery connections are energized and the charge is sufficient for the product to operate.
-

NO SOUND

- The speaker cables or audio connections may be disconnected or defective. Check in the application if the desired audio source is selected for a better diagnosis.
 - In the application, verify that the **LEVEL** control is not set to minimum or that the **MUTE** option is not active.
-

AUDIO DISTORTION

- The speakers may be overloaded or defective. Check if the equalization settings are appropriate.
-

WEAK BASS

- Speaker cables may have their polarities  and  reversed (speakers out of phase), or the phase inversion mode in the application may be active.

CONNECTION ISSUES WITH THE APPLICATION

- Make sure all permissions requested by the application are granted to allow pairing with the product.
- Check if the product is within range (up to 30 ft).
- Try restarting the product (turn it off for 10 seconds and turn it back on).
- Close the application and reopen it. Check for updates and, if necessary, reinstall the application (this last option will erase the application's internal settings).
- In case of a password connection failure, enter the new password or perform a factory reset on the processor.

If you have questions, contact the store where the purchase or installation was made.
For more information please contact: **support@prvaudio.com**



Any updates to this manual will be made available for consumer reference free of charge on the brand's website. It is recommended to consult the updated manual whenever necessary.

FCC Warning

 FCC ID: 2BBF7-PRVDSP24XBT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Note: The Grantee is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. To maintain compliance with FCC's RF exposure guidelines, the distance must be at least 20 cm between the radiator and your body, and fully supported by the operating and installation.

Technical Specifications

Number of Channels:	Input: RCA (A+B) / HIGH INPUT (A+B) Output: RCA (1, 2, 3, 4)	
Graphic Equalizer:	10 Bands (gain $\pm 12\text{dB}$)	
Graphic EQ Presets:	12	
Parametric Equalizer:	10 Bands (2 input + 8 output) (gain $\pm 12\text{dB}$, factor Q 0.4 ~ 10.0)	
Crossover with Variable Frequency:	Butterworth: 12/18/24/30/36/42/48 dB/8^a Linkwitz-Riley: 12/18/24/30/36/42/48 dB/8^a Bessel: 12/18/24/30/36/42/48 dB/8^a	
Routing:	A / B / A+B	
Alignment:	0ms ~ 8ms (275cm)	
Phase Inversion:	0° ~ 180°	
Limiter:	Threshold: -48dB ~ 0dB Attack: 0.1ms ~ 100.0ms Release: 1ms ~ 2000ms	Automatic Attack/Release Mode Limiter ON/OFF
Output Gain:	-45dB ~ +15dB	
Frequency Generator:	10Hz ~ 22kHz (Level-60dB ~ 0dB)	
Frequency Sweep:	10Hz ~ 22kHz (Level-60dB ~ 0dB)	
Input Impedance:	RCA: 55 kΩ / HIGH INPUT: 1 kΩ	
Output Impedance:	47 Ω	
Total Harmonic Distortion (THD):	< 0,01% (THD)	
Frequency Response:	10Hz ~ 22,5kHz @ -1dB	
Power Supply Voltage:	9,0V ~ 16V DC	
Max Sequencer Output Current:	180mA	
Nominal Current Consumption:	180mA @ 12.6V DC	
Maximum Current Consumption:	350mA @ 12.6V DC	
Protection Circuit:	Curto-circuito (Fusível PTC) Shorting (PTC fuse)	
Bluetooth:	Bluetooth 5.2 Low Energy	
Dimensions (HxWxD):	1.41" x 4.60" x 8.79"	
Weight:	1.1lb	

Warranty Term

PRV Audio products are guaranteed for a period of ONE (1) YEAR from the date of original purchase against any manufacturer's defects in material and workmanship under normal use. This warranty protects only the original purchaser of PRV Audio products purchased from an Authorized PRV Audio Dealer. This warranty is non-transferable.

When a product is sent to PRV Audio for warranty claims, it is assumed that the original purchaser has read and fully understands the PRV Audio warranty policy. In no event shall PRV Audio be liable for incidental or consequential damages including, without limitation: injury to persons, property or loss of potential income.

Product must be repacked in original packaging or equivalent, with padding to avoid damages during transportation. The purchaser is responsible for expenses to return the product to PRV Audio Brazil for a Warranty Claim. Please DO NOT return your item to a retailer, all warranty claims must be sent to PRV Audio. Upon receipt of the item, PRV Audio will notify claimant within THREE (3) business days. At this time, PRV will let claimant know: (a) if the item qualifies for a warranty claim; (b) the expected turn-around time to receive the item back; (c) the proper procedure to follow to ensure minimal delays. If an item does not qualify for warranty, then claimant is responsible for ALL freight, shipping, and repair costs. The purchaser may decide if he/she wishes to repair the item for a fee. Please keep in mind all guidelines presented to you before sending your item! PRV Audio Brazil is NOT responsible for any return without an authorized number. If you have any questions concerning what voids a warranty, please do not hesitate to ask. We do this to protect our customers and our retailers. We want you to enjoy the best performance possible from PRV Audio products. Purchasing PRV Audio products from an authorized retailer means you are guaranteed.

ATTENTION – Product is NOT eligible for warranty if serial number and/or warranty seal have been removed or tampered with.

This warranty does not extend to damage resulting from, but not limited to:

- Improper installation
- Product modification
- Misuse and neglect
- Abuse (items returned repeatedly for the same damage may be considered abuse)
- Damage resulting from attempted repairs by unauthorized repair centers or individuals
- Damage incurred during shipment
- Product damaged in an accident
- Damages due to criminal activity
- By 'acts of God' (lightning, flooding, etc.)
- Blown outputs or power supplies in amplifiers from overdriving or under voltage due to ignoring the LED Clipping Indicator
- Using an aluminum wire and/or any other wire that is not recommended in the owner's manual on a high-current amplifier
- We will not honor any warranty claim(s) on items purchased from internet sellers.
- Excessive vibration damage in items due to improper installation
- Installation and removal costs of the products associated with obtaining a warranty claim
- Products with the serial number and/or warranty seal removed or damaged

For any products not qualified for warranty protection, PRV can still repair it for a cost determined by the damages occurred to the unit. Thank you for choosing PRV!

We'll contact you as soon as possible once your Return Authorization (RA) request is processed. We will return your request with an RA number via e-mail. Thank you!

RA Request Process

Access the website: www.prvaudio.com/warranty and fill up the form in order to receive a RA # (Return Authorization Number) prior to returning your item.



www.PRVAUDIO.com