CLASSĒ

Contents

Welcome to the Classé family

Congratulations on your purchase of the Classé Delta PRE MkII, a stereo preamp/processor with reference-quality performance. It is the result of many years of design experience, and we are sure that you will enjoy it for many years to come.

Classé values its relationships with our customers and intends on supplying the highest level of support along with our product. Registering your product will allow us to keep in touch and will ensure that you are notified regarding any future updates or options which become available.

You can register online at https://classeaudio.com.

Please take a few moments now to register your new Classé preamp/processor and record your serial number for future reference.

Please note that your Classé warranty is valid only in the country of purchase; for service in other countries please contact the local distributor. For details, please consult the Warranty Card that comes with your unit

a word about installation

Every effort has been made to make the Classé Delta PRE MkII simple and straightforward to install and use.

The size and shape of your room, its acoustics, and the associated equipment you have chosen to use with your amplifier all influence the performance of your system.

For this reason, we strongly encourage you to have your system installed and calibrated by your dealer, whose experience, training, and specialized equipment can make a profound difference in the final performance of the system.

Exceptional Design Features

The Delta PRE MkII is a stereo preamp/processor, designed for music lovers who demand the ultimate in sonic performance from their audio system. Its connectivity and processing power accommodate the ever increasing array of music sources, allowing them to be accessed and enjoyed without compromise.

versatile connectivity

The Delta PRE MkII is a stereo preamp/processor with both balanced and single-ended output connections. A comprehensive set of analog and digital inputs and control interfaces enable compatibility with most contemporary audio system equipment.

superior performance

Advanced circuit topologies, component parts, and circuit layout techniques combine for superior audio performance. The analog and digital signal paths have been optimized to ensure superior performance from every source.

clean, dedicated power

A highly refined linear power supply is used together with a newly developed switch mode power supply to provide the clean, high-current power required for best performance. Liberal use of local regulation provides clean, low impedance access to power wherever and whenever needed.

room equalization and speaker control

All home audio systems are affected by room characteristics. Sound reflections and sound absorption can create dramatic variations in the performance of your system, particularly in the lower frequencies. The Delta PRE MkII features a system of Parametric EQ filters which, in the hands of an experienced acoustician, can help optimize the performance of your system.

Bass management allows one or two subwoofers to be added to augment frequencies where the response from the Left and Right speakers may tend to cancel each other. Together, these digital domain tools help deliver smooth and accurate low frequency performance. Lastly, a sophisticated and flexible digital domain Tone/Tilt Control can be used to tweak the tonal balance of individual recordings.

flexible GUI

The front panel's LCD touchscreen supports an extremely flexible and versatile graphical user interface (GUI) while maintaining a clean, uncluttered appearance. The Delta PRE MkII provides a range of controls that might otherwise require dozens of buttons and knobs on the front panel. Despite this power and flexibility, it remains simple to operate in day-to-day use.

network connectivity and streaming audio

A rear panel Ethernet connection on the Delta PRE MkII allows streaming audio via Apple's AirPlay and DLNA as well as full IP control via the HEOS App (available free of charge for iOS, Android and Amazon devices) or home automation systems.

HEOS provides streaming music from your favorite online music sources

HEOS wireless multi-room sound system that enables you to enjoy your favorite music anywhere and everywhere around your home.

By utilizing your existing home network and the HEOS App (available for iOS, Android and Amazon devices), you can explore, browse, and play music from your own music library or from many online streaming music services.

extraordinary longevity

Because Classé has developed highly refined circuits over many years, we have vast experience in what works well over the long term. Using this knowledge base, along with quantitative results derived from highly accelerated life testing (H.A.L.T.), allows us to select only the most reliable parts. This attention to detail and design allows us to manufacture products which stand the ultimate test: time. Just as past Classé products have done for their owners, we are certain that your new stereo preamp/processor will give you many years of continuous enjoyment.

Unpacking and Placement

We have taken all precautions, and made every effort to make the Delta PRE MkII simple and straightforward to install and use. Still, we recommend that you take a few minutes to review this manual. Even if you are having the preamp/processor professionally installed, you will want to know how to efficiently operate it to its potential.

The Delta PRE MkII menu system includes features that allow a great deal of fine-tuning. Still, we have no way to evaluate outside variables such as the acoustical characteristics of your listening space and the associated equipment of your audio system. Therefore, it is up to you to make the final audio adjustments for the optimum performance of your system.

unpacking your Delta PRE MkII

Carefully unpack the Delta PRE MkII Stereo Preamp/Processor. *Do not forget to remove all accessories from the carton.*

Important!

> **Keep all packing materials. Transporting the Delta PRE MkII without using the packaging specifically designed for it may result in damage that is not covered under the warranty.**

Delta PRE MkII placement considerations

Before installing your Delta PRE MkII, be sure to read the following placement suggestions.

- Do not place the Delta PRE MkII directly on the top surface of a conventional power amplifier or any other heat source. Also keep the unit out of direct sunlight.
- Place the Delta PRE MkII so that the IR window on the front panel is clearly visible and not blocked.
- Position the Delta PRE MkII in a central and convenient location for both visibility and use. The preamp/processor is the hub for all other component connections and generally your primary interaction point. In addition, by placing the unit close to the other system components, you minimize the cable lengths and hence reduce the amount of noise that is introduced into the system through the cabling.
- Leave adequate clearance behind the Delta PRE MkII for the AC cord and connecting cables. We suggest six inches (15 cm) of free space to allow cables sufficient room to bend without crimping or undue strain.
- Allow at least three inches (7.5 cm) of clearance above and to each side of the Delta PRE MkII for ventilation. Do not obstruct the area around the unit so that excess heat can dissipate through normal air circulation.

Important!

> **Obey all placement considerations. Not obeying the placement considerations may result in damage that is not covered under the warranty.**

warm-up/break-in period	Your new Classé preamp/processor delivers outstanding performance immediately. However, you can expect to hear subtle improvements as it reaches normal operating temperatures and breaks-in.

In our experience, you can expect the greatest changes within the first 72 hours. After initial break-in, you'll enjoy consistent performance levels for years to come. |
| operating voltage | The operating voltage of your Delta PRE MkII is specified on the rear panel label that also includes its serial number. . |

Important!

Attempting to operate your Delta PRE MkII from an incorrect AC voltage source may cause irreparable damage which may not be covered by your warranty.

Important!

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

If you are not planning to use the preamp/processor for an extended period of time, for example due to vacation or other travel, we suggest that you disconnect it from AC power.

*Make certain that the Delta PRE MkII is in **Standby** prior to disconnecting it.*

Physically disconnect any and all valuable electronics from AC power during electrical storms. A lightning strike anywhere near your home can generate a tremendous surge on the AC mains that can jump across a simple power switch. A surge from a lightning strike, which may be many thousands of volts, can cause serious damage to any piece of electronics, no matter how well designed and protected.
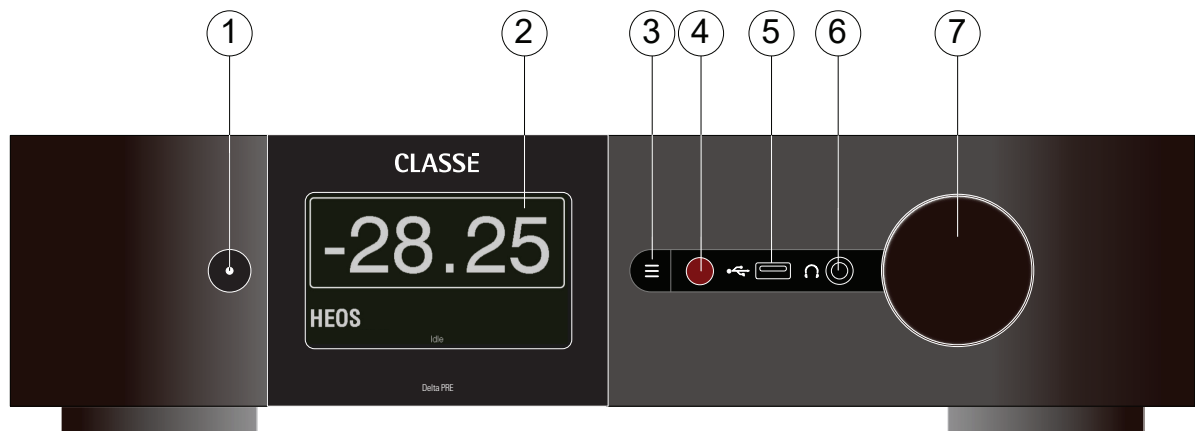
Front Panel

The front panel of the Delta PRE MkII is shown above. The numbers in the drawing refer to the descriptions that follow.

1   Standby/On Button and Status Indicator LED
Pressing the **Standby** button puts the Delta PRE MkII into *standby* mode – a low-power state which leaves the preamp/processor and outputs inactive but still allows the unit to respond to system commands via any of the supported control protocols (LAN, CAN-Bus or RS-232)*.

If the unit is already in Standby mode, pressing the Standby button fully powers up the unit.

- LED On (Red) – the Delta PRE MkII is in Standby mode.
- LED turns green, then white – the Delta PRE MkII is in the process of power-up initialization.
- LED On (white), indicates the unit is in the operate mode.
- LED Flashing (blue), indicates the unit is updating firmware.
- LED Flashing (red), indicates a problem during startup.
- LED Off – the Delta PRE MkII is not getting AC power.

See section on Advanced Settings: Wake-on-Network must be enabled to allow controllers to wake the unit from Standby.

The **Standby** button also serves as a data save mechanism. Each time the Standby button is pressed, the Delta PRE MkII will saves all custom settings made during its last operation. If power is lost before pressing standby, all pending changes will be lost.

2   Touchscreen
The front panel touchscreen is used for day-to-day operation of the Delta PRE MkII. It is also used for setup and to display useful information as required. Touch the screen anywhere on this Home page to access sources.

3   Menu On/Off Button
Press once to call up the main page of the menu system. Press the **Menu** button again to revert to the Home page.

The menu system gives you control over operational details including: system setup options, various display options and custom installation capabilities so that the Delta PRE MkII integrates smoothly into the most complex systems. For more information, see the *Menu System* later in this manual.

4   IR Window
The location of the IR (infrared) receiver for the remote control is behind this window. In most cases, there must be a clear path between the IR window and the remote control in order for the Delta PRE MkII to acknowledge the remote control commands.

If the IR window is not in view, for example if the unit is placed in a cabinet or closet, then the rear panel IR input can be utilized for remote control. For more details about this option, see the IR input description in the *Rear Panel* section found later in this manual.

5   USB Front Connector
The front panel USB connector allows the Delta PRE MkII to work with Apple's portable media devices such as iPad™, iPod® and iPhone® which require this type of connection. The front panel USB connector accepts digital audio from these devices (up to 96 kHz) and provides power for recharging them. Limited control is also available for these devices using the navigation keys on the Delta PRE MkII remote control.

Alternatively, a mass storage device (formatted in FAT/FAT32) can also be plugged into this connector to play back digital audio formats up to 192kHz and DSD128. The front panel USB connector is also used to load firmware updates. When updates are posted in the *software downloads section* of the Classé web site, they may be loaded onto a USB stick and plugged into the front panel of the Delta PRE MkII. More information on this can be found in the *Firmware Updates* section of this manual.

6   Headphone Jack
The 1/4" (6.35mm) Headphone Jack accommodates stereo headphones. Inserting a headphone plug mutes the main audio outputs.

7   Volume Control Knob
The large rotary knob on the right side of the front panel controls the system volume level. It is also used for adjustments such as balance, input offset and levels for the EQ and Tone Control.

The **volume** knob increases and decreases volume in precise 0.25 dB increments throughout most of the volume range. The volume range is from -93.00 dB to +14.00 dB.

The volume control expresses the degree of attenuation or amplification being applied to the incoming signal. Therefore, a setting of -23.00 indicates that the signal is being attenuated by 23.00 dB.

Most stepped attenuators offer too few steps, causing the listener to choose a level that is a bit too soft or too loud, not just right. The volume display on the touchscreen reads in 0.25 dB increments, thereby closely approximating a continuous volume control, allowing the desired level to be selected precisely as required for critical listening.

A volume setting of 0.00 indicates that no attenuation or amplification is being applied. This is the setting used for the Pass-Thru mode explained in the Source Setup description in the Menu System section of this manual.
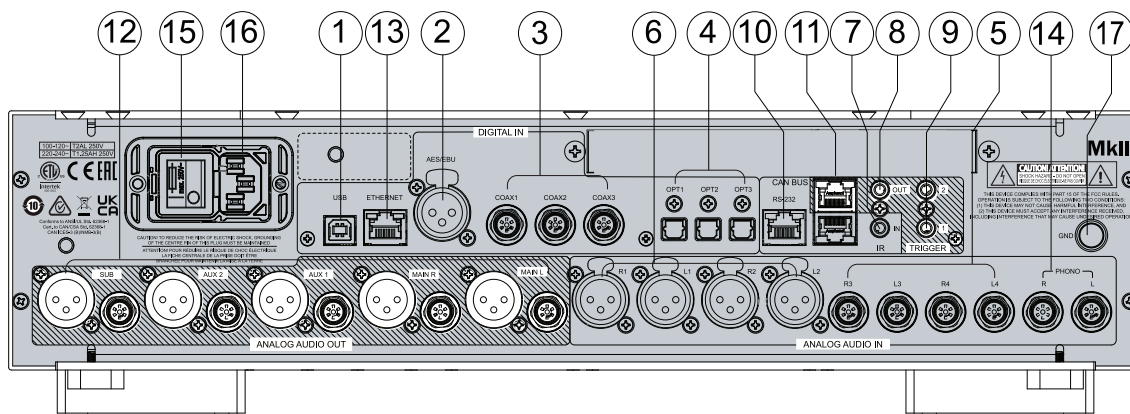
Rear Panel

The rear panel of the Delta PRE MkII is shown above. The numbers in the drawing refer to the descriptions in this section.

⚠	Important!	The Delta PRE MkII does not support the optional HDMI board for MkI.

serial number

You'll find your Delta PRE MkII serial number on the rear panel, next to the AC Inlet. Please record this number for future reference.

And since you have found the serial number, please use it to register your purchase, if you haven't done so yet. We may use the information to advise you of any updates or other items of interest. Registration is simple, so please register online at https://classeaudio.com.

1   Digital Audio Input - USB Back

The Delta PRE MkII supports PCM digital audio sources up to 24-bit/768kHz and DSD at native rates up to 512 (requires Thesycon/Classé driver for Windows) and as DoP (DSD over PCM) at rates up to 128 via USB. The rear panel USB Device connector mates with a USB Host such as a PC or Mac.

*Volume control changes made on your USB source will adjust volume in the **analog domain** in the Delta PRE MkII, which offers the highest performance. The alternative, which is to adjust volume in the digital domain, causes loss of resolution. Attentuation in the digital domain involves using fewer bits, so we avoid it wherever possible*

2   Digital Audio Input - AES/EBU

The Delta PRE MkII provides an XLR type connector for digital audio connections from source components such as CD players fitted with this professional-standard output. These inputs accept PCM data streams up to 24-bits long and up to 192 kHz sampling frequency. DSD audio at DSD64 (DoP) is also accepted. We recommend using cables that are optimized for digital audio signal transfer and that carry a 110Ω impedance rating. Your Classé dealer can help you with proper cable selections.

3   Digital Audio Inputs - Coaxial
The Delta PRE MkII supports three digital audio inputs, with SPDIF connectors labeled COAX1 to COAX3. These inputs accept PCM data streams up to 24-bits long and up to 192 kHz sampling frequency. DSD audio at DSD64 (DoP) is also accepted. We recommend using cables that are optimized for digital audio signal transfer and that carry a 75Ω impedance rating. Your Classé dealer can help you with proper cable selections.

4   Digital Audio Inputs - Optical
The Delta PRE MkII supports three digital audio inputs, with optical TOSlink™ connectors labeled OPT1 to OPT3. These inputs accept PCM data streams up to 24-bits long and up to 192 kHz sampling frequency*. DSD audio at DSD64 (DoP) is also accepted. We recommend using cables that are optimized for digital audio signal transfer. Your Classé dealer can help you with proper cable selections.

*NOTE: The bandwidth limits of TOSlink™ components are very much strained at a 192 kHz sampling frequency. For that reason you may want to limit signals using the TOSlink™ connections to a maximum rate of 96 kHz.

5   Analog Audio Inputs - Single-Ended
The Delta PRE MkII supports 2pr of RCA type connectors for single-ended line-level analog sources. They are labeled R3/L3 and R4/L4.

6   Analog Audio Inputs - Balanced
The Delta PRE MkII supports 2pr of XLR type connectors for balanced analog sources. They are labeled R1/L1 and R2/L2.

NOTE: This input conforms to the AES (Audio Engineering Society) "pin 2 = hot" convention. The pin assignments of these XLR-type female output connectors are:
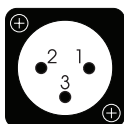
Pin 1: Signal ground
Pin 2: Signal + (non-inverting)
Pin 3: Signal – (inverting)
Connector ground lug: chassis ground

Verify that the source components are compliant with this convention (Classé components are compliant). If not compliant, contact your Classé dealer for assistance.

The XLR R2/L2 connectors may be assigned as a phono input. See the section on Phono Setup.

NOTE: The Balanced and Single-Ended 2-channel analog audio inputs can be set for either digital bypass mode (all DSP processing switched off) or converted to digital format to allow bass management, tone control and/or equalization. If no processing is applied, analog signals remain in the analog domain, even if not specifically set to digital bypass.

7   IR Input

Use the IR input when the front panel IR window does not have a clear line-of-sight with the remote control, for instance, when the Delta PRE MkII is installed in a cabinet. Attach this input to an infrared repeater system to route signals from the remote control to the Delta PRE MkII via a mono mini-jack (3.5mm phono).

**5Vdc @
less than 100 mA**

The list of available IR command codes can also be used in macros for sophisticated remote control systems, facilitating the control of the Delta PRE MkII in the larger context of the complete system.

8   IR Output

Use the IR output to pass IR commands from an external IR transmitter through the Delta PRE MkII to another Classe component, when necessary. The output uses a mono mini-jack (3.5mm phono) with the same properties as the diagram in the previous section.

9   Trigger Outputs

The Delta PRE MkII supports two trigger outputs, with mono mini-jacks (3.5mm phono) labeled OUT1 and OUT2. Each trigger outputs a 12V DC signal at 100 mA and each can be controlled individually. Use these outputs to control other system components such as amplifiers and window blinds. Refer to the **DC Triggers** description in the *Menu System* section for more details.

**5-12 volts @
less than 100 mA**
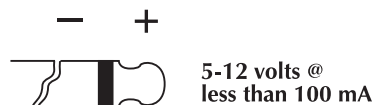
10   RS-232 Port

The primary purpose of the RS-232 port is to support the use of external commands to allow remote control of the Delta PRE MkII by such systems as AMX®, Control 4, Creston™ and Savant®. For more information about these systems, contact your Classé dealer.

11   CAN-Bus Input and Output

CAN-Bus (Controller Area Network) allows several Classé components to be connected together for simultaneous operation, such as switching from *On* to *Standby*. Using the CAN-Bus Input and Output connectors, the Classé components can be daisy chained together and controlled via the CAN-Bus interface.

> NOTE: *The final component in the daisy chain MUST have a termination plug inserted into the CAN-Bus output.*

For more information, refer to the CAN-Bus section found later in this manual.

12 Analog Outputs

The Delta PRE MkII supports five analog audio outputs, with both balanced (XLR) and single-ended (RCA) connections. Connect the Main R and Main L outputs to the Right and Left amplifier channels respectively.

The Aux 1 and 2 outputs are configurable and can be used for the following purposes:

- Assigned to mirror the main L/R speakers for use in a power biamplification arrangement.
- AUX 2 may be assigned as an additional subwoofer to be used in conjunction with the Sub output configured as either two stereo or two mono subs. See Configuration Setup/Auxiliary Channels for more details.

NOTE: The Balanced (XLR) Output pin assignments adhere to the AES (Audio Engineering Society) "Pin 2 = hot" standard. The XLR male outputs carry the following pin assignments:
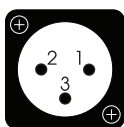
Pin 1: Signal ground
Pin 2: Signal + (non-inverting)
Pin 3: Signal – (inverting)
Connector ground lug: chassis ground

Refer to the operating manuals of your balanced-input power amplifiers to verify that the pin assignments of their input connectors adhere to this standard (Classé power amplifiers are compliant). If your amplifiers are not compliant, it may not pose a problem, but ask your Classé dealer for assistance.

13 Ethernet Connector

The Ethernet connection is used to enable streaming of audio using Apple's AirPlay, DLNA or online streaming services via HEOS. This connection also supports IP control for using the HEOS App with Android, Amazon and iOS devices and/or a home automation system to control the Delta PRE MkII via your home Network.

14 Phono Input

The Delta PRE MkII supports 1pr of RCA type connectors labeled Phono R/L dedicated to a phono input and supporting high output MM and both high and low output MC type phono cartridges. For instructions on setting gain and loading for MM/MC type phono cartridges, see the section on Phono Setup.

Two RCA shorting pins are included in the Accessories pack. These should be inserted into the "Phono" inputs if they are not being used. They prevent any noise from being conducted through these inputs and amplified by the high gain circuitry, potentially coupling with other audio signals in the preamp.

15 Main Power On/Off Switch

This switch connects and disconnects the Delta PRE MkII from AC.

16 AC Power Cord Input (AC IN)

The detachable three-conductor AC power cord and the socket into which it connects conform to rigorous standards developed by the IEC (International Electrotechnical Commission).

Danger!

Do not defeat the safety purpose of the polarized or grounding-type plug!

Your Delta PRE MkII contains potentially dangerous voltages and current capabilities. Do not attempt to open it! There are no user-serviceable parts inside. All service must be referred to a qualified authorized Classé dealer or distributor.

17 Phono Ground Lug

Use this lug for grounding your turntable as necessary.

The Remote Control

Your Delta PRE MkII Stereo Preamp/Processor includes a versatile IR remote control for both the Preamp/Processor itself and several aspects of the rest of a Classé-based system. The buttons are arranged in logical groups according to their functions. The remote control of the Delta PRE MkII is shown on the left. The numbers in the drawing refer to the descriptions that follow.

1   Basic Functions

The two buttons at the top of the remote control groups the following basic control functions:

- **Light** turns on the backlighting of the remote control for better visibility under low-light conditions. After a few moments of inactivity, the backlight switches off automatically.
- **Standby** toggles the Delta PRE MkII between the *Standby* and *Operate* states.

2   Volume Control & Mute Buttons

The **Volume Up** and **Down** arrow buttons increase or reduce the overall volume level of the audio output. Pressing the **Mute** button reduces the audio output volume level by a pre-determined amount. You can customize selected features of both the Mute button and volume level. Refer to the *Volume Setup* description in the *Menu System* section found later in the manual for further instructions.

3   Config Select Buttons

The left and right arrow buttons step through the six configurations. If there is a different configuration assigned as a default for a particular source it will be overridden until the source is selected again, or you select that particular default configuration.

Pressing the CONFIG SELECT button will open the configurations page, making it easier to navigate to a specific configuration. Use the positions of the highlighted buttons on the screen rather than trying to read their names from across the room.

4   Source Select Buttons

To change inputs, simply use the **Source Select** arrow buttons to step through the inputs.

Pressing the SOURCE SELECT button will open the Source Selection page, making it easier to navigate to a specific source. Use the positions of the highlighted buttons on the screen rather than trying to read their names from across the room.

To keep your input selection list smaller and easier to navigate, the Source Select buttons will toggle only through those sources which are enabled. Refer to the *Menu System* section found later in the manual for further instructions.
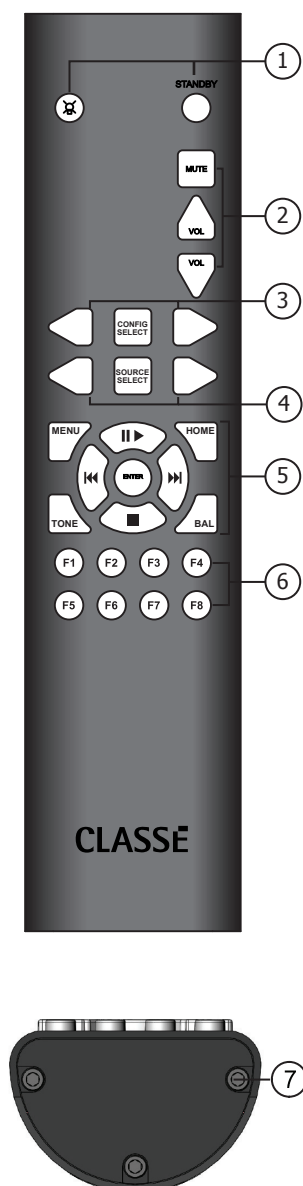
5 Navigation & Menu Buttons

The remote control contains the navigation buttons and the menu access buttons. This array of buttons is used for navigating the menu system on the Delta PRE MkII as well as providing basic transport controls to USB and AirPlay-connected sources. Each of the buttons performs the following function(s):

- **MENU** accesses the main screen for the menu system, in the same fashion as the front panel **Menu** button.
- **HOME** returns the touchscreen display to the *Home* page. The **HOME** button essentially acts like a "back to start" button – no matter how deeply you've navigated into the menu system, a single button push returns you to the front page.
- **Navigation Arrows** are located in the familiar **Up** (▲), **Down** (▼), **Left** (◀), and **Right** (▶) arrow positions which allow you to select the different menu options within the menu system. When on the Home page, these buttons instead serve as transport controls for USB and AirPlay sources with the typical play/pause, stop, scan/skip forward and scan/skip backward commands.
- Pressing the **ENTER** button selects the underlined menu item in any menu screen.
- **TONE** accesses the Tone Control screen. Pressing Tone while on the Tone Control screen activates the tone control. Subsequent presses toggle between enable and not enable. While on the Tone Control screen, the volume up/down keys adjust the tone control. See Tone Control Setup in the Menu System section for more information.
- **BAL** is used to access the Left/Right balance. Use the Volume arrows to adjust the L/R balance.

6 Function Keys (F1 to F8)

The last eight buttons on the remote control are the **Function** buttons, or Fkeys, which provide additional flexibility to the Delta PRE MkII remote control. Think of them as "favorite" buttons that provide direct access to specific functions or commands not covered by the other buttons. Refer to the **Remote Fkeys** description in the *Menu System* section found later in the manual for more information.

7 Installing the Batteries

Using a 3/32" Hex Key (supplied), remove the three screws on the remote bottom plate. Place the two AA Batteries (supplied) in the indicated orientation and replace the bottom plate. The plate has a spring to provide sure contact with one of the batteries so take care to hold it securely in place as you reinstall the screws.

Note: You may also remotely control the Delta PRE MkII by connecting it to a Network and using the HEOS App, available free of charge for iOS, Android and Amazon devices. The HEOS App allows enhanced functionality compared with the IR remote, and control can be exercised without line-of-site contact with the unit.

Initial Setup

Your Delta PRE MkII Stereo Preamp/Processor is delivered with default factory settings to facilitate initial setup. But we highly recommend that you work with your Classé dealer for the final setup of the preamp/processor. Your dealer's knowledge and experience with Classé products will ensure that your audio system is optimized for your listening space.

However, if you can't wait to get started, this section is designed to assist you in setting up and becoming familiar with the Delta PRE MkII hardware. Once the initial setup is complete, be sure to read the rest of this manual to familiarize yourself with the daily operation and customizable features of your Delta PRE MkII.

Step 1 | **Connect the Delta PRE MkII and all system components to AC power.**

Important! | **Make sure everything–especially your power amplifier(s)–is turned off before connecting power!**

Connecting all system components to AC power, before making any interconnections between components, ensures that every component has a solid connection to ground. This lessens the chances of a static discharge that may damage delicate electronics or your loudspeakers.

Step 2 | **Choose the appropriate cables.**
Before you start connecting components together, let's take a minute to discuss the cables you will be using. The audio outputs available on the rear panel include both balanced XLR connectors and unbalanced, or single-ended, RCA connectors.

Single-ended RCA audio connections are the most popular means of transmitting audio in consumer electronics. As long as you use high quality, low capacitance cables, single-ended connections provide very satisfactory results.

However, balanced audio connections between components provide the best analog signal connection because they effectively double the signal strength. More importantly, as compared to single-ended connections, they significantly improve resistance to common mode noise, therefore enhancing audio transparency, detail, and dynamics. To fully realize these potential benefits, high quality interconnect cables are required.

Please consult your local Classé dealer for advice on which cables are best suited for your system.

Step 3 | **Connect source components to the Delta PRE MkII rear panel.**
If necessary, refer to the *Rear Panel* section in this manual for a detailed description of each connector found on the rear panel. Your local Classé dealer can also provide useful suggestions for what source components you should add to your system and guidance in setting them up.

You'll need to know what connector(s) each source is attached to when you enter the setup menus. An *Installation Worksheet* is included at the end of this manual to assist you.

> *NOTE: In the Delta PRE MkII default settings, fourteen rear panel inputs are associated with corresponding source selections within the Source Setup menu. Since most users will have fewer sources connected, the Source Selection page(s) can be simplified by unchecking the Enable Source box for each unused input. Doing so removes the corresponding Source button from the Source Selection page. See the Menu System section for details.*

Step 4 | **Connect the power amplifier(s) to the Delta PRE MkII rear panel.**

Important!

Verify that the power amplifier(s) is plugged in but powered OFF before connecting to the Delta PRE MkII!

We recommend using high quality cables with XLR connectors.

> *NOTE: These pin assignments are consistent with the standards adopted by the Audio Engineering Society. Refer to the operating manuals of your balanced-input power amplifiers to verify that the pin assignments of their input connectors correspond to the Delta PRE MkII. If you are using Classé amplifiers, this note does not apply.*

> *If needed, the pin assignments of the XLR-type male output connectors are:*
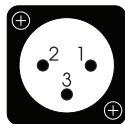
> *Pin 1: Signal ground*
> *Pin 2: Signal + (non-inverting)*
> *Pin 3: Signal – (inverting)*
> *Connector ground lug: chassis ground*

Connect the Main L&R Outputs, either RCA or XLR, from the rear panel of the Delta PRE MkII to the corresponding inputs on your amplifier(s).

• If you are using a subwoofer, connect the Delta PRE MkII subwoofer output to the input of the designated amplifier or powered subwoofer.

> *NOTE: Make sure connections from the subwoofer output go **only** to an amplifier connected to a subwoofer or a powered subwoofer, as low frequency signals can damage a small speaker not designed for high output bass reproduction.*

When connecting a cable, make sure the cable has a good connection and is firmly attached to the rear panel connectors on both the amplifier and the Delta PRE MkII.

The Delta PRE MkII also provides two **Auxiliary** analog audio outputs. See the section on Configuration Setup for more details about the Auxiliary outputs. If used, connect the AUX output(s) to its corresponding amplifier(s) or subwoofer.

| Step 5 | **Connect the loudspeakers to the amplifiers.** |

| Important! | **Verify that the power amplifier(s) is plugged in but powered OFF before connecting to the Delta PRE MkII.** |

Connect each loudspeaker to its designated amplifier channel. Pay close attention to the phase of the speaker connections – *always connect an amplifier's red (+) terminals to the red (+) terminals of the loudspeaker. Likewise, connect black (–) terminals to black (–) terminals.*

| Step 6 | **Power up the system!** |

Now you are ready to power up your Delta PRE MkII and your audio system.

- Turn the rear panel power switch of the Delta PRE MkII to **ON**. The Standby LED will turn red.
- Press the standby button containing the LED. The initial power-up cycle of the Delta PRE MkII takes a few seconds.
- When the power-up cycle is complete, the Delta PRE MkII enters Operate mode and the touchscreen becomes active.
- Press the **Standby** button to toggle the Delta PRE MkII into and out of Standby.

The physical setup of the Delta PRE MkII and system components is complete.

Using the Delta PRE MkII

The Delta PRE MkII's versatile touchscreen LCD supports your day-to-day operations and provides access to a flexible menu system for controls and setup functions that aren't accessed as often. This section of the owner's manual outlines the use of the touchscreen in routine operation of the system.

When you bring the Delta PRE MkII out of *Standby* mode, the touchscreen displays the Home page of the menu system, as shown below.

Home Page

The **Home** page displays the volume in large font which is easily visible from across a room. The selected source appears at the bottom-left of the screen. Beneath the selected source, the format of the incoming signal is displayed. This displays the sampling frequency of digital sources as well as the file format (ALAC, WAV, FLAC, etc.) of streaming Network sources sources. The selected Output Configuration is shown on the bottom-right of the screen. If Pass-Thru is selected for either digital or analog sources, the volume display will read 0.00 and be greyed out (since the volume control is not active in this mode).

There are also indicators at the bottom-right of the screen.

- **MONO** indicates that the Delta PRE MkII is running in mono mode rather than stereo.
- **EQ** indicates that the Parametric EQ feature is enabled.
- **SUB** indicates that the sub-woofer channel(s) are activated.
- **TONE** indicates that the tone control feature is enabled.
- The **turntable icon** indicates that the currently select source is set for phono mode.   Phono may have up to 63dB of gain compared to non-phono sources.
- The **headphone icon** indicates that there are headphones plugged in and that the rear analog outputs are muted.
- The **HEOS icon** (⊪) signifies that the chosen source is set for HEOS streaming.

This page can be quickly accessed at any time by pressing the **Home** button on the remote control or tapping the home icon on the touchscreen display.

Source Selection

Touching any part of the screen when on the Home page brings up the Source Selection page. The number of source buttons appearing here corresponds to the number of inputs that have been set up and are "enabled." A maximum of nine sources may appear on one page. If more are enabled, they will be available on the next page by touching the ➡ button in the upper right corner of the page. See the section on source setup in the Menu System.

The Delta PRE MkII has up to 18 selectable source buttons which are all interchangeable: Any source may be assigned to any button location and associated with any connector.


Touch any **source** button on the touchscreen to select it as the current source. The selected source button is shaded. If the source you want to choose is not on this screen (and you have more than nine source buttons enabled), press the ➡ button for the next page of sources. Or, press the ↩ button to return to the previous page.

The Delta PRE MkII comes from the factory with fifteen source buttons labeled and enabled. To change the default settings and labels or to disable unused buttons, see the Menu System.

The Menu System

The comprehensive menu system provides setup and configuration controls for the Delta PRE MkII. These installation-specific features let you customize how the Delta PRE MkII works within the context of your particular system. Changes are made on-the-fly, which allows you to quickly set up and modify settings without constantly being asked if you're sure you want to make the change and pressing enter to save. The Delta PRE MkII stores settings in non-volatile memory whenever the unit is put into standby, so it's a good practice to put the unit into standby after making changes. In normal daily operation this happens anyway, but if you want to be sure a loss of power doesn't erase your changes, putting the unit into standby will give you extra assurance.
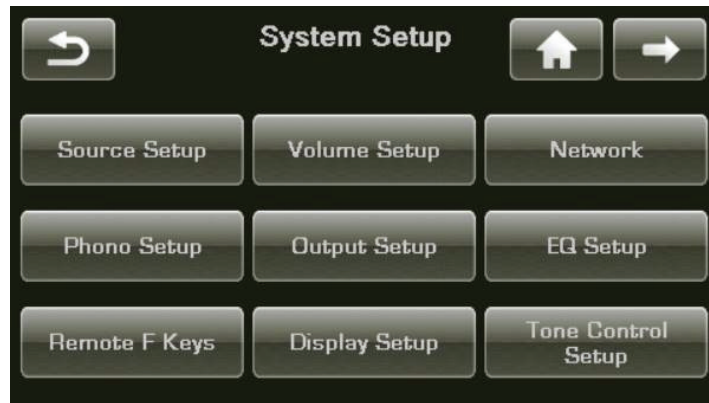
Pressing the **Menu** button on the front panel or remote control opens the main Menu page, which is divided into six sections as shown below.
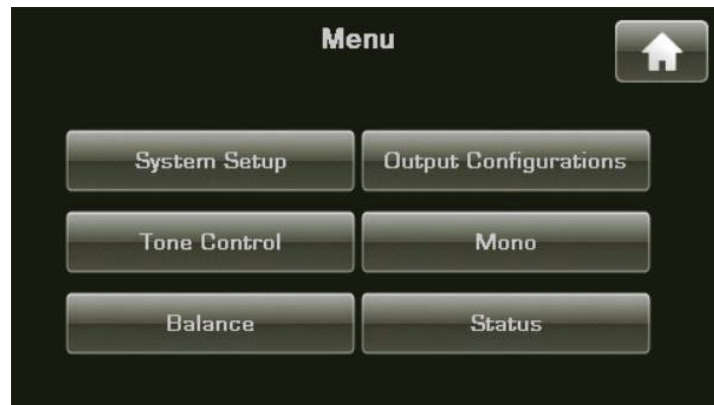
At the top right of the menu pages you may find a ➡ button which uses the arrow icon when additional menu options are available, and/or a **Home** button for returning to the Home page. When on the main Menu page, pressing the **Menu** button returns to the Home page. If you are on a page within the Menu System, pressing the Menu button returns you to the main Menu page. When you navigate beyond the main Menu page, a return or back button using the � icon appears on the upper left corner of the page. This returns you to the previous page.

System Setup

Touching the **System Setup** button on the main Menu page opens the System Setup page, which contains 15 setup options, the first nine of which are shown below, with DC Triggers, Headphone Settings, Digital Filter Setup, Settings Import/Export, HEOS Functions, and Advanced Settings located on the next page.

System Setup

| Source Setup | Volume Setup | Network |
| Phono Setup | Output Setup | EQ Setup |
| Remote F Keys | Display Setup | Tone Control Setup |

From the System Setup menu, you can:

- Customize inputs to specific source components
- Set volume control parameters
- View and set the IP address/status
- Set the gain and loading values of the phono inputs
- Set audio and subwoofer outputs
- Enable the EQ and set EQ parameters
- Select and set Remote F key functions
- Customize the display to your preferences
- Set the Tone Control parameters
- Assign triggers
- Enable the Headphone X-feed feature
- Set DAC filter modes
- Import and export user settings
- Perform troubleshooting actions if there are issues with the HEOS Functions
- Restore Defaults, Archive Settings, Restore Settings, etc.

Source Setup

Each of the 18 source buttons supported by your Delta PRE MkII can be customized in several ways to enhance system performance and/or to simplify operation. The source select page is dynamic in that it shows up to nine sources on a single page. If six or fewer are enabled, then the page shows six somewhat larger buttons and if three or fewer are enabled, it shows only three large buttons. Press the button for the source or button location you want to set up.

The first setup page for that source includes buttons for assigning the input connector(s) and naming the source, choosing its default output configuration, setting an input offset, and selecting the Pass-Thru feature.
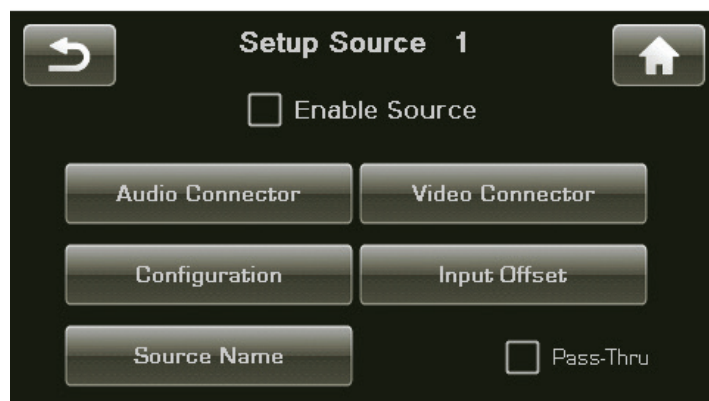
Enable Source

This check box activates/deactivates the source button. If the **Enable Source** box is checked, then the source is enabled. If the Enable Source box is NOT checked, then the source is considered not enabled and is so identified on the Source Selection page.

Disabling unused sources is a good way to simplify source selection. The Source Selection page is dynamic, adjusting the number and size of buttons to correspond to the number that are actually being used or enabled. The buttons arrange themselves into groups of either three, six or nine buttons on the Source Selection page.

Input Connector

Choose the input connector(s) to be associated with this source button. Any source button may be associated with any input connector(s). Also, multiple source buttons may be assigned to the same connector(s).

Source Name

The **Source Name** button provides a way to customize the names of the sources as displayed on the Source Selection screen(s). For example, a music server plugged into the Coax 1 input, you might want to rename the input *Music Server* to make it easier to remember.

To change source names, use the keyboard on the touchscreen. A maximum of 16 characters can be entered. Note that the size of the source buttons varies depending whether you have 1-3, 4-6 or 7-9+ sources enabled, so the length of name that may be fully displayed on the button will likewise vary. After entering the source name, press Enter on the keyboard to save the change.

Important!

Note: While the Phono R/L RCA connectors are dedicated phono inputs, the R2/L2 XLR connectors may serve either line level (the default setting) or phono sources. Because a line level source might be connected to these XLR inputs after they've been set to phono, there is the possibility that an extremely loud signal could pass to your amp/speakers. Be sure to label the source button so it is clear that it's a Phono input and consider adding a label above the XLR R2/L2 connectors on the back panel as a reminder that they have been setup as a phono input.

Output Config	The **Output Config** button allows you to assign one of the up to six output configuration options (see Output Setup) as the default for the source button being set up. Whenever this source is selected, that output configuration will be employed. You might set up one source such as a disc player to have a output default configuration with a subwoofer crossed over at 80 Hz for movies. You may then set up another source button for the same disc player with a different default output configuration, say one with a subwoofer crossed over at 40 Hz, for music. You may also setup an analog source as "Bypass", which bypasses any enabled DSP features. Output Configurations are output setups, and are discussed in more detail later in this section.

> *NOTE: The default Output Configuration assignment can be temporarily overridden from the remote control CONFIG SELECT buttons, from the Configurations page on the HEOS app, or from the Output Configurations button on the main Menu page. See the section, Using the Delta PRE MkII > Output Configurations, for more details.*

Input Offset	**Input Offset** is used to ensure that all sources playback at comparable level. There can be significant differences in output levels, especially among analog sources, which can lead to unexpected changes in volume when switching among them. The Delta PRE MkII provides an input offset adjustment range from -10.00 to +10.00 dB.
Phono Balance Offset	Among all sources, Phono is the most likely to require a balance offset to account for small imbalances in the physical properties of your phono cartridge. We include a Balance Offset button to allow a fixed refinement of up to +/- 3 dB to the L/R balance of your phono cartridge. If XLR2 is configured as a second phono input, the Balance Offset button will appear on its setup page as well. Unlike the system balance control, this setting remains fixed as you go in/out of standby.
Pass-Thru	Selecting **Pass-Thru** locks the volume at 0.00 dB for this source and passes the signal through the preamp without changing its level. This feature is useful to avoid having two volume controls active such as when the preamp sits between a home theater processor or a whole house digital music server system and the L&R channel amplifiers. *Note that the Pass-Thru mode is available for digital as well as analog sources. It is not available for USB sources as they already allow volume to be controlled from the source, thereby eliminating the problem of having two volume controls in the system, which Pass-Thru is designed to avoid.*
Phono Setup	The Delta PRE MkII supports up to two phono inputs, one through the RCA R/L connectors and a second through the XLR R2/L2 connectors. Each may have its own gain and loading, adjusted from the touchscreen.

Go to System Setup, Phono Setup and choose the phono input you want to configure, first. Select the cartridge type and the loading option that most closely matches the cartridge manufacturer's recommendation. A final selection should be made by listening to adjacent values to determine the best overall load in your system. It is possible to start a record playing and listen while making changes on the fly. Remote Fkeys (below) can be assigned to different loading values, then selected from your listening chair using the IR remote or HEOS app. Comparing loading values from your listening chair helps you make a clear and confident choice.

Remember to consider a phono balance offset as described in Source Setup as part of your phono setup routine whenever a new cartridge is installed.


When using the XLR Phono input in conjunction with a RCA-equipped phono source, we recommend following the wiring diagram below when selecting an XLR-to-RCA phono cable. Alternatively, a common non-inverting XLR-to-RCA cable may be used, where pins 1 and 3 are connected together internally.


unbalanced RCA to balanced XLR interconnect wiring
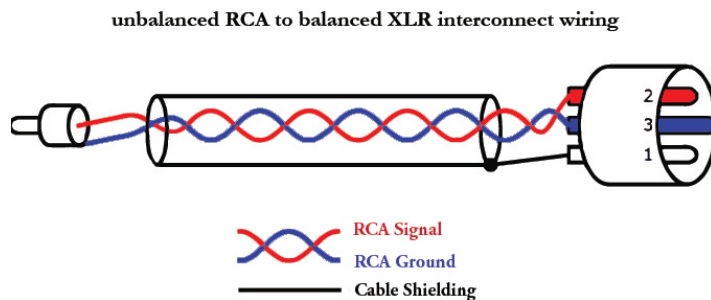
The remote control supplied with the Delta PRE MkII has eight **function** keys (**Fkeys**), each of which can give you instant access to specific system functions.

For example, if you want direct access to particular sources or configurations, you may want to consider programming some of the **Fkeys** to directly access them. By assigning them as Fkey functions, you do not need to use the arrow keys to scroll through the active sources or configurations looking for them.
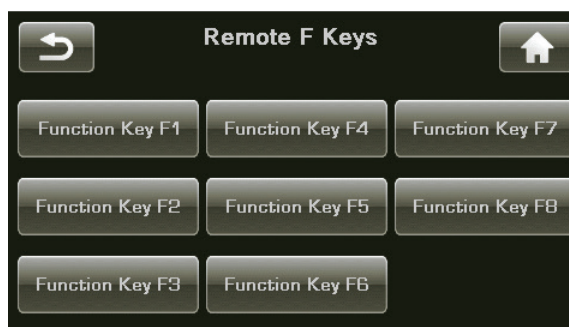
The remote control **F1** to **F8** buttons correspond to the Function Keys displayed on the touchscreen. Select the **Function Key** that you would like to assign, then scroll through the list and choose the specific function you want that **Fkey** to perform.
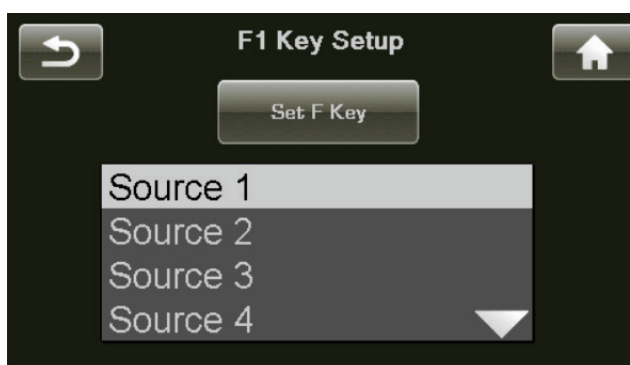
Important note on
Fkey use

All Classé Delta and CT series remote controls provide at least four **Fkeys**. Commands F1-F4 on every Classé remote send the same IR signals as F1-F4 on every other Classé remote, so you do not need to worry about which remote you've picked up. Thus **F1** on the Delta PRE MkII's remote control sends the same infrared signal as **F1** on the CD player's remote control and so on.

While this is intended to minimize confusion amongst different remotes (since this aspect of them will all perform identically), you should take care when assigning different functions on different components to the same **Fkey**. Doing so can result in two components doing two different things at once, in response to a single press of a button on the remote control. This can sometimes be useful. As an example, **F1** could set the Delta PRE MkII to the **CD Player** input, and also set the CD player to **Play**, both from the press of a single Fkey.

Volume Setup

Touching the **Volume Setup** button in the System Setup menu opens the Volume Setup page, as shown below. The volume control is used to make all volume setup adjustments.

Volume Setup allows you to:

- set a maximum volume level;
- choose an initial volume level for the system whenever the Delta PRE MkII is brought out of Standby;
- customize the behavior of the mute control.

Max Volume

The Max Volume page allows you to establish a maximum volume setting for your system. This scale runs from -93.00 to +14.00, with +14.00 dB indicating that you do not want any artificial limit placed on the maximum gain your Delta PRE MkII can provide. This setting is interactive. It is easiest to play the system at increasing levels until you reach the volume which you want to use as the maximum for the system. Using the volume control, enter that value on the Max Volume page.
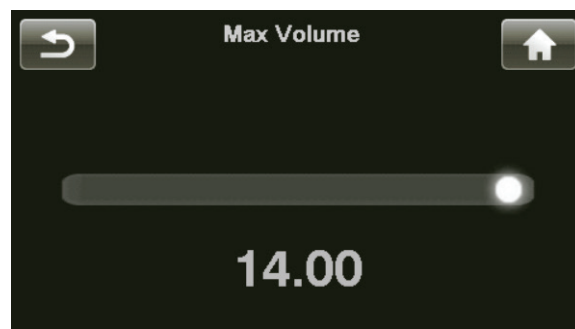
Startup Volume

Touching the **Startup Volume** button allows you to set up a preferred volume level for when the Delta PRE MkII wakes out of standby.

When the power is turned on, the unit starts with the volume level that was set before being placed on standby. However, if the volume was previously set to high, it starts with the set volume (default -30.00).

Mute Setup

The Mute Setup page allows you to choose how the **Mute** button functions. The options for mute control are:

- **Specific** - allows you to select the exact value to which the volume is attenuated. If the current volume is already below that level when muting is engaged, the volume remains unchanged. The factory default is - - -, which is fully muted.
- **Dampening** - reduces the current listening level by a specified amount (e.g. -25.00 dB).
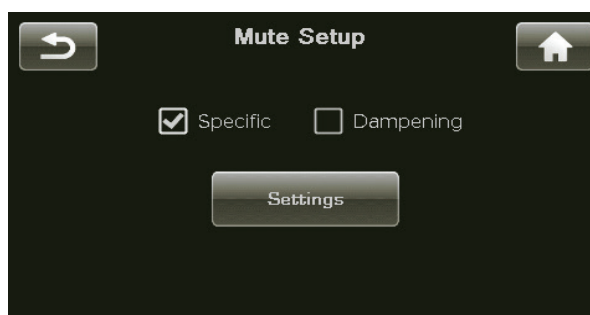
Output Setup

The **Output Setup** page allows you to define up to five different output configurations. Touch the button for the specific configuration you want to set up to open its output configuration setup menu. The page contains buttons for naming the configuration and enabling balanced (XLR) and/or single-ended (RCA) outputs for Main, Aux and Subwoofer channels. Choosing a subwoofer output causes a Bass Management button to appear. The same menu is used to set up each configuration.

Bypass

Bypass (also known as **Digital Bypass**) is reserved for the 6th output configuration. It is an Output Configuration which is only available for sources associated with analog input connectors. Choosing Digital Bypass will switch off and bypass all digital signal processing circuitry and leave the signal entirely in the analog domain. The preamp is then configured as a conventional analog preamp with all digital circuitry completely off. When Digital Bypass has been selected, DSP features are not available. These features include Tone Control, PEQ, Mono mode and Bass Management (subwoofer output). If an output configuration with subwoofer(s) enabled is called, the Digital Bypass setting will override the bass management settings in that configuration, leaving L&R signals analog and full range with no subwoofer output. If Digital Bypass is not selected for an analog source, analog signals remain in the analog domain unless a feature requiring DSP is called.

The Digital Bypass configuration cannot be modified. Both Main and Aux output channels are active with both XLR and RCA connectors.

Configuration Name

As with naming sources, press the Configuration Name button to access the keyboard used for customizing the configuration name. Configurations 1 through 5 can be renamed. Configuration 6 is reserved for Digital Bypass. *Remember to press Enter after making your changes to save the new name.*

Configure Outputs

Choose the output connectors you want enabled with this configuration. If a subwoofer (or two) is used, a Bass Management button appears, allowing you to set crossover frequency and slope, or enable stereo or two mono subwoofers.
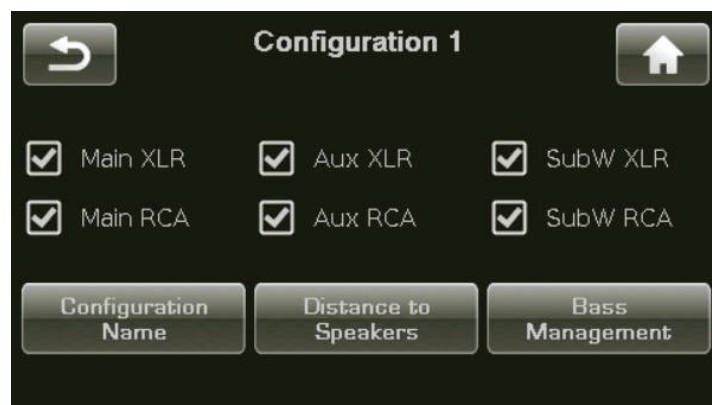
Distance to Speakers

When subwoofer is enabled, the Distance to Speakers button gives access to audio delay functions. Both Main L&R speakers and Subwoofer(s) have delays available since subwoofers are typically farther from the listener than the main speakers. Used together, the subwoofer(s) may be seemlessly integrated with the main speakers. Distance may be selected in meters with 0.05m steps or feet (0.16ft).
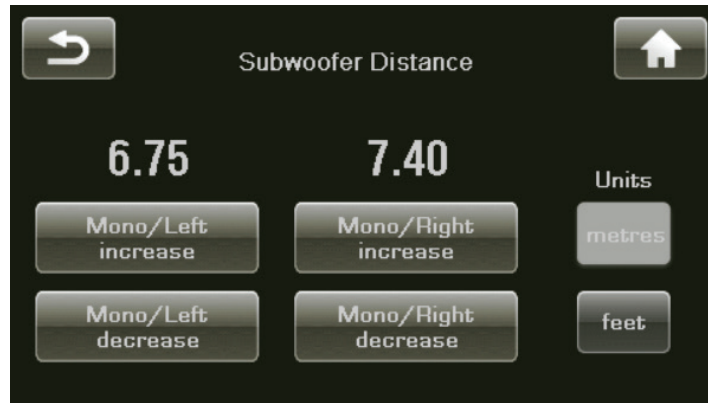
NOTE: If your L & R speakers are not equidistant from the listening position, you could make an output configuration where the sub is enabled (even if you don't have one), which gives access to the Distance to Speakers settings. Enter the distances to L and R speakers and on the Bass Management page, leave the box for L/R HP Filter un-checked. This will ensure the L & R channels run full range and the time delays you chose will be applied.

Bass Management

If you also want to High-Pass Filter the L&R outputs, check the box for L/R HP Filter. The crossover will pass the higher frequencies and correctly direct the low frequencies to the subwoofer(s) based on your frequency and slope settings. If this box is unchecked, L&R channel signals pass full range and the lower frequencies are duplicated by the subwoofer(s). This may result in too much bass, especially at certain frequencies, so equalization may be required to compensate.
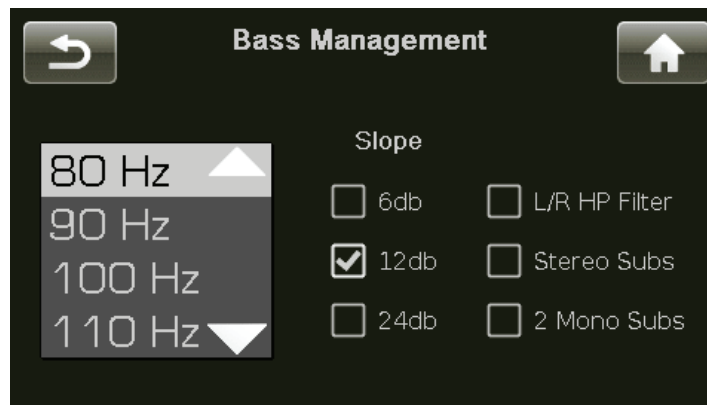
Auxiliary Channels

The Delta PRE MkII has two auxiliary channels that can be utilized for bi-amping the L&R speakers. Alternatively, Aux 2 may be used in conjunction with the Sub output to provide a second mono subwoofer or stereo subwoofer configuration. When configured for Stereo Subs, the Sub output channel serves as the Right Channel Sub and the Aux 2 output channel serves as the Left Channel Sub.

If either the single-ended or balanced Aux channel outputs are enabled and no more than one subwoofer is being used, then the aux channels are considered to be active in bi-amp mode. Technically, this is called power-bi-amping. Separate amplifier channels are used for the high and low frequency drivers of your loudspeaker, but the passive crossovers in the speaker do the work of filtering low and high frequency signals. In this mode, the two auxiliary channels produce the same output as the Main Left and Right channels.

NOTE: When bi-amping with two different amplifiers on each speaker, the amplifiers must have the same gain in order to ensure proper level matching between the upper and lower frequencies. All Classé Delta, CT and Sigma series amplifiers have the same gain and may be used in any combination for bi-amping.

NOTE: When the 'Bypass' Output Configuration is selected, the Aux channels will output full range signals as L&R channels, overriding any other configuration setting that might otherwise use Aux 2 as a second subwoofer output. The DSP would unavailable in Digital Bypass.

Display Setup

The Display Setup menu page, shown below, allows you to configure the brightness and display timeout used for the touchscreen display.
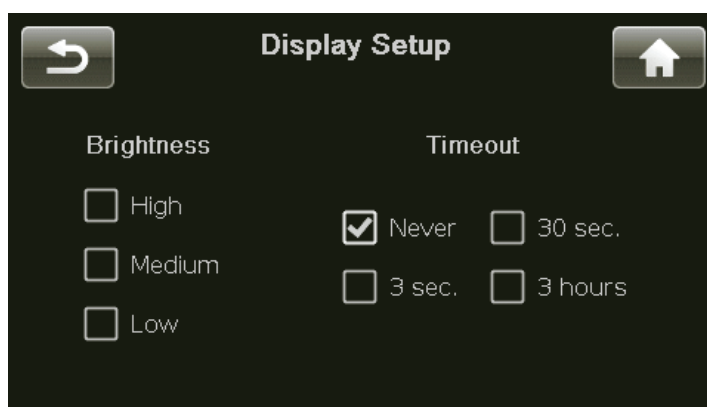
Brightness

The **Brightness** setting of the Delta PRE MkII touchscreen has three possible values: *low*, *medium*, and *high*. Select the setting you prefer. A *high* brightness setting usually works best in brightly-lit rooms; you may find that a lower setting is less visually intrusive under more subdued lighting conditions.

Timeout

If you prefer listening to music in a dimly-lit or darkened room, you may find even the *low* brightness setting of the display somewhat distracting. You can essentially turn off the touchscreen by reducing the **timeout** value of the backlighting so as to turn it off entirely after a period of inactivity that you may select. In this context, activity refers to any use of the user interface. This includes hard buttons, the touchscreen, the HEOS app and the remote control.

For example, if you reduce the timeout to its minimum setting, the backlighting illuminates the display as soon as you interact with any of the Delta PRE MkII controls, and remains lit for only three seconds – just long enough for you to check a setting. If you continue to use any of the controls (at least once every three seconds), the display remains lit. After three seconds of inactivity on your part, the backlight extinguishes itself, essentially turning off the touchscreen.

If you prefer the display of the Delta PRE MkII to remain on whenever not in *Standby* mode, select the **Never** timeout option. The lamp in the touchscreen display is designed for harsh automotive environments and will give you many years of reliable operation.

Network Setup

The **Network Setup** page displays the IP address of the Delta PRE MkII and the Network status.

Pressing the Restore Network Defaults button on this page re-enables DHCP mode. In DHCP mode the Delta PRE MkII obtains an IP address from a device on the Network (usually the Wireless AP).
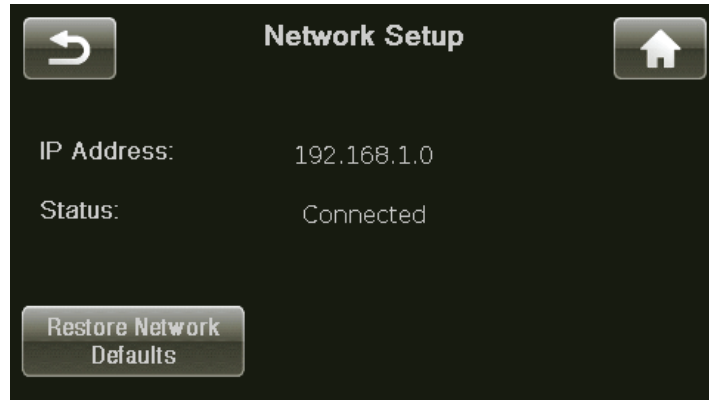
The Delta PRE MkII includes a built-in web interface that can be used to configure the system name, Network settings or update the Delta PRE MkII software. To access the interface, locate the IP address of your Delta PRE MkII from the Network Setup page and type in the following into the address bar of a web browser: *http://**IP Address**/settings/* and hit return. Alternatively, the HEOS mobile app can also be used to view and configure the same settings.

On the web page: Status Information will show the System Name and the Firmware Version number.

Configuration will allow you to personalize the system name and configure the unit's IP address manually. It is strongly recommended to use DHCP rather than attempt to assign a static IP address, but if one is required, an IT professional should be involved in the installation.

EQ Setup

The Delta PRE MkII's Parametric EQ capability allows you to build very precise digital audio filters to help compensate for fixed sonic irregularities defined by the location and characteristics of your speakers, your room and your listening position in the room. These filters should be constructed based upon audio measurements made by a well-qualified acoustical engineer. These powerful filters are made available in a completely manual fashion to help your professional installer give you the best listening experience possible.

As many as five filters can be built for each speaker channel. An Aux channel not being used as a subwoofer assumes the same filters as defined for its Left or Right channel partner.

In order to define the PEQ filters, select **EQ Setup** from the System Setup menu, Check the box to enable the EQ. Choose which channel you wish to adjust, select a band and enable its filter, then tune it with the appropriate center frequency, gain, and Q.

You do not need to have all or even any filters enabled for every channel. The installer need only make the adjustments to the channels necessary to correct for the room's interaction. *We encourage you to consult with your authorized Classé dealer to properly calibrate the Parametric EQ function.*

> *NOTE: a discrete IR command or Fkey may be used to toggle the EQ on and off to easily compare before and after from the listening position. When the EQ is enabled, EQ appears on the Home page.*

Tone Control Setup

The **Tone Control** may be configured as conventional bass and treble controls or used as what is sometimes called a tilt control. In either configuration, the maximum boost and cut is 6.0 dB.

The default setting configures the Tone Control as a **Tilt** control with low- and high-frequency 3 dB points at 200 Hz and 2,000 Hz respectively. These values are user adjustable, allowing customization of the frequency ranges manipulated by the tilt control. The Tilt control will adjust frequencies above and below these inflection points by tilting the tonal balance in one direction or the other, stepping the higher frequency range up or down in 0.5 dB steps while simultaneously stepping the lower frequency range in the opposite direction, down or up, leaving the frequencies in between unchanged.

If conventional bass and treble controls are desired, select that option and choose the frequencies below which the bass control works and above which the treble control works. The bass and treble controls may be accessed from the touchscreen (Menu> Tone Control) or by pressing Tone on the remote. Use the navigation buttons on the remote or the touchscreen buttons to increase or decrease the level of bass and treble independently. The **Tone Control** is activated and deactivated by successive pressing of the **TONE** button on the remote control, through the HEOS app, or selecting and deselecting the Enable box on the touchscreen. The app makes using the Tone Control particularly easy, allowing quick selection of Tilt, Bass/Treble and None while using its virtual volume control knob to adjust levels.

DC Triggers

The Delta PRE MkII has two available trigger controls. Each may be programmed using normal 12 V or "inverse logic" (0 V) settings. The ability to change the way the trigger operates can solve installation-specific problems that otherwise require external devices that add to both the cost and complexity of your system.

The triggers can be associated with the Standby mode, a specific source or a configuration. To use the Inverse Logic option, simply check the Inverse Logic box on the Trigger Setup page.

For more information on the potential use of DC triggers, we recommend you speak with your authorized Classé dealer.
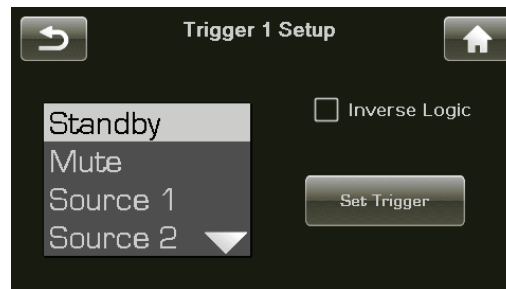
Headphones X-Feed

The Headphones Cross-Feed feature is used to create a more spacious and lifelike soundfield when listening through headphones. The center-back-of-the-head image produced by stereo signals played back through headphones is unnatural compared to our normal method of hearing, where both ears are listening to the music source and determining spacial cues based on arrival times and the shape of your head. The X-Feed feature mixes some phase-adjusted left channel into the right channel and vice versa to create a more natural soundfield and reduce listener fatigue.

When the Headphone Cross-Feed feature is enabled, the headphone icon on the home page will appear as follows:

Digital Filter Setup

Digital Filter Setup, which allows to select from mutiple DAC filter modes.

Settings Import/Export

Settings Import/Export, which allows you to import and export your custom user configurations and settings.

HEOS Functions

HEOS Functions, which allows you to perform troubleshooting actions if there are issues with the HEOS source.

Advanced Settings allow you to:

- **Restore Defaults**, which discards all settings and returns the Delta PRE MkII to its **Factory Defaults**.
- **Archive Settings**, which saves the current settings, allowing you to make future changes but return to these settings if desired.
- **Restore Settings**, which loads the settings previously saved by the **Archive Settings** command.
- Enable **Wake on Network**, which allows the Delta PRE MkII to detect power ON commands from external network controls like CAN Bus, RS-232 and IP-control including the HEOS app. The default mode is for the Wake on Network feature to be enabled.* If you want this feature to be disabled, toggle the checkbox off.
- Enable **Auto Standby**, which puts the Delta PRE MkII into standby after a chosen period of inactivity. The default mode is for the Auto Standby feature to be disabled.* If you want this feature to be enabled, toggle the checkbox as checked and select the preferred time limit.

Note: The methods used to detect small signals in the Delta PRE MkII are designed to avoid any possibility of degrading sound quality and as such, they do an imperfect job of recognizing when small or low volume signals are present. For this reason, with Auto Standby enabled, the unit may go into standby unexpectedly while signals are present.

** Note that the UK/EU version units such as those sold in the European Union are shipped with Wake on Network mode **disabled** and Auto Standby mode **enabled**.*

Restoring default setttings will enable Wake on Network mode as well as disable Auto Standby mode.

Setting up the **Tone Control** involves choosing high and low frequency inflection points, and relative cut or boost for them. The factory default settings create what is called a tilt control, which tilts the tonal balance either toward more high and less low frequency for a leaner, crisper sound, or the opposite direction toward a warmer, fuller sound.

NOTE: To change these parameters, press MENU, then System Setup, Tone Control Setup.

If conventional bass and treble controls are preferred they may be configured using the Tone Control Setup page as described in the **System Setup** section. Press **TONE** on the remote, through the HEOS app, or **MENU** then **Tone Control** on the touchscreen to access the tone control. The Tone Control is activated by selecting the Enable box on the touchscreen. Alternatively, pressing Tone on the remote control switches to the Tone Control screen and each subsequent press toggles the control on and off. When the Tone Control is enabled, Tone appears on the Home page. The Volume up/down buttons on the remote and the volume knob on the unit and HEOS app are used to increase or decrease the effect of the Tone Control when in Tilt mode. When used as conventional bass and treble controls, the **Boost** and **Cut** buttons on the touchscreen are used for increasing or decreasing the corresponding Tone Control levels. These controls may also be accessed by pressing Tone on the

remote control and using the volume up/down keys. The adjustment range is +/- 6 dB in 0.5 dB increments. Tilt adjustments are made by using the volume knob.

> *NOTE: The Tone Control feature is considered a temporary override. Upon coming out of standby, Tone Control will deactivate.*

Balance

To adjust the L/R **Balance**, when on the Balance page, use the volume knob or the volume up/down keys of the remote control. Balance is adjusted in 0.5 dB increments by alternately boosting and cutting 0.5 dB from each channel. In this way, the overall level stays roughly the same as the balance shifts. The Balance control works by making adjustments with the master volume control, so no additional circuitry enters the signal path when balance adjustments are made.

The Balance control offers a range of +/- 10.0 dB and moving the control to either extreme turns off the opposite channel (used mostly for troubleshooting).

> *NOTE: Your L & R speakers may not produce the exact same output for a given input, or their location in the room or relative to your listening position may contribute to a perceived imbalance of up to a few dB. To compensate for this, play a simple vocal recording and put the Delta PRE MkII in Mono (press Menu, then Mono). Open the Balance control page and using the remote, adjust the balance until the sound image is perfectly centered. If you close your eyes and do this a few times, you will find that one number, (e.g. Right 1.5 dB) may appear consistently. If so, you know that is the adjustment your system requires. Leave the setting there, return to normal stereo operation and then forget all about the balance control.*

> *NOTE: This Balance feature is considered a temporary override. Upon coming out of standby, the balance will be reset to zero.*

Output Configurations

You may create up to five different output configurations to accommodate preferences like with or without subwoofer(s), or with subwoofer(s) having different crossover settings. While these configurations may be associated with specific sources, they may also be called from the Main Menu page or the remote control. Pressing the **Output Configurations** button in the Main Menu or choosing CONFIG SELECT on the remote opens the Output Configurations page. Choose the output configuration you wish to employ.

To customize configurations, see the Output Setup description in the System Setup section.

Mono

Pressing the **Mono** button combines L & R channels, resulting in monaural output on all channels (including Auxiliary and subwoofer channels). When in Mono, the Mono button is shaded. Press again to deselect and return to normal stereo operation. When in Mono, the word Mono appears on the Home page.

NOTE: This Mono feature is considered a temporary override.
Upon coming out of standby, Mono will deactivate.

Status

The **Status** screen provides several items of information on the currently selected source and configuration as well as access to information on the firmware used in and the internal settings and sensors of the Delta PRE MkII. While on this page, pressing the **more** button will access the **CAN-Bus** features for connected Classé components.

Firmware Updates

One way, which is the simplest and default method, to conduct firmware updates is through OTA (over-the-air). If a new firmware update exists, you would be notified from the touchscreen GUI or through the HEOS app. Simply tap yes to proceed with the firmware updates and follow the on-screen instructions.

As an alternative, another way is through the front panel USB connector, which can be used to load firmware updates. The firmware would be loaded onto a USB stick. With the rear panel power switched off, plug the USB stick into the front panel of the Delta PRE MkII. When the power is switched back on from the rear panel, the update will proceed automatically. The LED indicator will commence with a series of flashing red, off and blue. After several seconds, it will flash blue continuously for up to several minutes, depending on the size of the update. The touchscreen may flash white as well. At the end of the update you will see the touchscreen turn white with a small target awaiting your input for screen calibration. Using your finger or something smaller like a pencil eraser, touch the screen in each of the successively identified areas to calibrate it. Once complete, the light on the USB stick will extinguish and the touchscreen will show the Home page. Remove the USB stick and continue using the Delta PRE MkII. Remember that any subsequent setup changes are stored when the Delta PRE MkII is put into standby.

Please visit https://classeaudio.com to download the latest firmware and related documentation and update instructions for your unit.

CAN-Bus

CAN-Bus Classé's Controller Area Network, or CAN-Bus, allows communication and control between similarly featured Classé components. When the Delta PRE MkII is connected with other CAN-Bus-equipped Classé components, the different elements in the system are in constant communication, creating a "global" network that delivers system wide status information and shared operational features, all through the preamp/processor's touchscreen display.

> *Note that some components will require a software update to be recognized on the CAN-Bus. Check the Classé website periodically for updates.*

features CAN-Bus will allow a Classé touchscreen to:

- Display status information for every connected unit, including amplifiers which do not have a touchscreen display.
- Create a "PlayLink" that allows an SSP or Preamp to automatically switch to the correct input when a Delta series source component starts playback.
- Adjust the global system brightness.
- Configure the entire system to go in and out of standby at the touch of a button and also bring individual components in and out of standby.
- Mute any connected unit.

hardware setup
1   **Classé CAN-Bus Equipped Products**
    Two or more Classé CAN-Bus equipped products are required, at least one of which must have a touchscreen display.

2   **Category 5 Network Cables**
    These are ordinary network cables, commonly used for broadband Internet connections. They should be typical "straight through" cables not the "crossed over" type, and the total required will be one less than the total number of CAN-Bus equipped components in your system. Daisy chain the components from one to the next using these network cables.

3   **CAN-Bus Terminator**
    A single CAN-Bus Terminator is required. It is inserted into the CAN-Bus OUT connector of the last component in the CAN-Bus daisy chain. One is included in the box with your amplifier. They are also available for a small fee from your nearest Classé Customer Support Centre.
    https://classeaudio.com/contact/

using CAN-Bus CAN-Bus is controlled via the touchscreen of any Classé component that is so equipped. There is no master component, so Classé series systems where two or more units have a touchscreen can be controlled through any of the touchscreens. However, it is probably easiest to start using CAN-Bus through just one.

CAN-Bus is accessed by pressing the **menu** button on the face of the unit or remote, then the **status** button, followed by the **more** button (right arrow) in the upper right corner of the screen. The touchscreen will then display the **CAN-Bus devices** screen, which lists connected components by model & serial number.
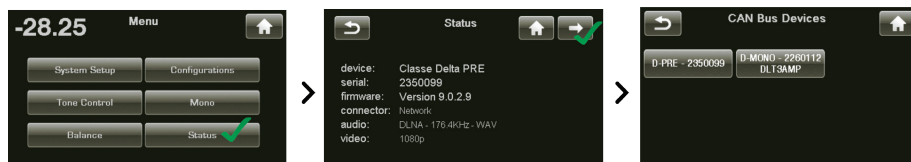
Selecting a unit on the CAN-Bus devices screen identifies it as the **target unit**.

The front panel LED(s) or meter light of the target unit will start flashing (unless you choose the unit that you are using to access CAN-Bus).

Once you have chosen the target unit, the touch screen will list the CAN-Bus features available to it. Some CAN-Bus features are shared by all models, some are specific to individual models.

> *Make sure to exit the CAN-Bus pages before putting your unit(s) into Standby, otherwise the previously selected unit will continue to flash its front panel LED when powering up the next time.*

amp features | The following CAN-Bus features are available on the Delta MONO / STEREO.
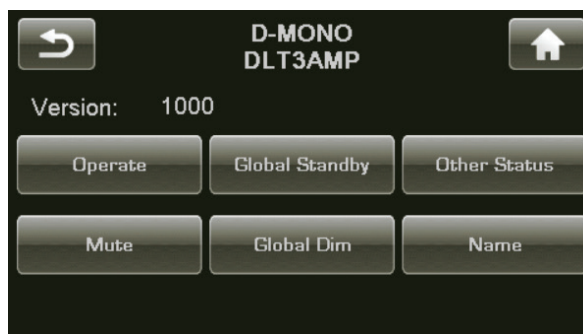
The model, name and firmware version number will be displayed on the CAN-Bus page of the targeted unit.

Operate | The **Operate** button allows you to bring the target unit in and out of standby. This button will be disabled for the unit whose touchscreen you are using to access CAN-Bus.

Mute | Engaging Mute will mute the output of the target unit.

Global Standby | By setting all your components to **Global Standby** you can bring your entire system in and out of standby by pressing the **standby** button of any unit or remote. All CAN-Bus software updates automatically set the updated unit to Global Standby. If you want a particular unit to be excluded from Global Standby, deselect Global Standby for that unit.

> *NOTE: Wake On Network enabled on all Classe products is required for Global Standby to function properly.*

Global Dim | By setting all your components to **Global Dim** (referred to as Global Brightness in earlier models), you can adjust the touchscreen and LED brightness for your entire system by changing the brightness of a single touchscreen. All CAN-Bus software updates automatically set the updated unit to Global Dim. If you want a particular unit to be excluded from Global Dim, deselect Global Dim for that unit.

Other status | The **Other Status** screen displays information about the target unit's internal temperature sensors. Readings for Heatsink 1 & 2 are displayed in degrees Celsius.

> *Note: This feature is only available when the target amplifier is in operate mode.*

Name | You can set the **name** which will appear next to the unit model name and facilitate the identification of units in large systems.

Event Log | Reserved for amplifiers, this feature records protection circuit **events** and can only be accessed when the target amplifier is in **standby**.

> *Note: For the amp to be put into standby while allowing the unit with the touchscreen to remain in operate mode, Global Standby for the amp must be de-selected (not highlighted) so the amp can be manually put into standby.*

The protection circuit shuts down the amplifier or channel if it overheats or if its output could damage your speakers. The Event Log details the circumstances surrounding the amp going into protection and should be referred to in situations that require the intervention of your dealer or Classé customer support.

The Delta MONO Event Log can report the following events interpreted as follows:

- **DC Output** — DC from the source has exceeded the amplifier's ability to correct for it. The amplifier will shut down to protect the loudspeaker.
- **Over Current** — The peak current has exceeded the safe operating limit, i.e. a short circuit.
- **CBE** — Comm Board Error. There has been an internal communication error.
- **Over Temp** — The internal temperature has exceeded the safe operating limit.
- **Fan Failure** — The fan has been disconnected or is unable to spin.

Protection events are rare and generally occur due to issues that are external to the amp. They should be interpreted positively. The amp is doing what it's designed to do.

Network Sources

Network sources are those which stream audio to the Delta PRE MkII using its rear panel Ethernet connection. The Delta PRE MkII is equipped with a hard-wired Ethernet connection because it provides a more reliable and higher speed connection than is typically available over WiFi. If it is not possible or practical to run a direct Ethernet connection from your router to the Delta PRE MkII, various solutions are available. A powerline Ethernet adaptor, such as those offered by Netgear and others may be used or a wireless bridge such as Apple's Airport Express provides the local Ethernet cable (called LAN or Local Area Network) connection required by the Delta PRE MkII and connects to the Network router via WiFi.

HEOS function

Getting the HEOS App

You can use many online music streaming services from the HEOS App. Depending upon your geographical location, there are several options to choose from.
Download the HEOS App for iOS or Android by searching App Store, Google Play store or Amazon Appstore for "HEOS".

Specifications of the HEOS App may be changed without prior notice for improvement purposes.

Setting up the HEOS App for the first time with a HEOS built-in device

Once you have placed this unit in your listening room and have downloaded the HEOS App, you are ready to configure this unit for music playback. This involves following a few simple steps to get this unit connected to your existing home network:

1   Make sure your mobile device is connected to your network (the network you want to connect to this device).

2   Launch the HEOS App on your mobile device.

3   Tap the "Setup Now" button at the top of the screen.

4   Follow the instructions to add this unit to your network and to select an input on this unit.

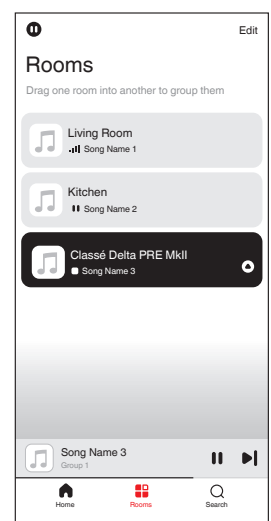*Adding the registration of HEOS builtin devices in the HEOS App*

The HEOS system is a true multiroom audio system that automatically synchronizes audio playback between multiple HEOS built-in devices so that the audio coming from different rooms is perfectly in sync and always sounds amazing! You can easily add up to 32 HEOS built-in devices to your HEOS system.

Adding wired HEOS built-in devices

Just connect the HEOS built-in devices to your home network using an Ethernet cable and the HEOS built-in device will appear on your HEOS App as a new room in the Rooms screen.

At your convenience, you can assign a name to the HEOS built-in device to indicate which room you have it placed in.

HEOS Account	HEOS Accounts can be registered by tapping "Home" tab - "Settings" icon ⚙ in - "Account" icon 👤 in the HEOS App.
What is a HEOS Account?	A HEOS Account is master account or "keychain" for managing all of your HEOS music services with one single username and password.
Why do I need a HEOS Account?	With the HEOS Account you just have to enter your music services login names and passwords one time. This allows you to easily and quickly use multiple controller apps on different devices. You just log into your HEOS Account on any device and you will have access to all of your associated music services, play history and custom playlists, even if you are at a friend's house listening to music on their HEOS system.
Signing up for a HEOS Account	You will be instructed to signup for a HEOS Account the first time you try to access any music service from the main "Music" menu of the HEOS App. Follow the instructions in the HEOS App to complete the operation.

Changing your HEOS Account

1   Tap the "Home" tab.

2   Select the Settings icon ⚙ in the upper right corner of the screen.

3   Select the Account icon 👤 in the upper right corner of the screen.

4   Change your location, change your password, delete your account or sign out of your account.

Playing from streaming music services	A music service is an online music company that provides access to vast music collections via free and/or paid subscriptions. Depending upon your geographical location, there are several options to choose from. *NOTE: The HEOS App and brand is not affiliated with any manufacturer of any mobile device. Availability of music services may vary by region. Not all services may be available at time of purchase. Some services may be added or discontinued from time to time based on decisions of the music service providers or others.*

Selecting a room/device

1   Tap the "Rooms" tab. Select "Classé Delta PRE MkII" if there are multiple HEOS devices.

Tap the "Home" tab - "Settings" icon ⚙ - "My Devices". You can change the displayed name. You can change the displayed name.
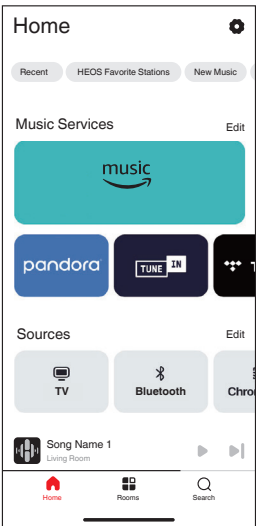
Selecting the music track or station from music sources	**1**	**Tap the "Home" tab and select a music source.**

All music services displayed may not be available in your location.

2 **Browse the music to play.**
After selecting a music track or radio station the app will automatically change to the "Now Playing" screen.


Listening to the same music in multiple rooms

The HEOS system is a true multi-room audio system that automatically synchronizes audio playback between multiple HEOS devices so that the audio coming from different rooms is perfectly in sync and always sounds amazing! You can easily add up to 32 HEOS devices to your HEOS system. You can join or group up to 16 individual HEOS devices into a group of HEOS devices that function as if they were a single HEOS device.
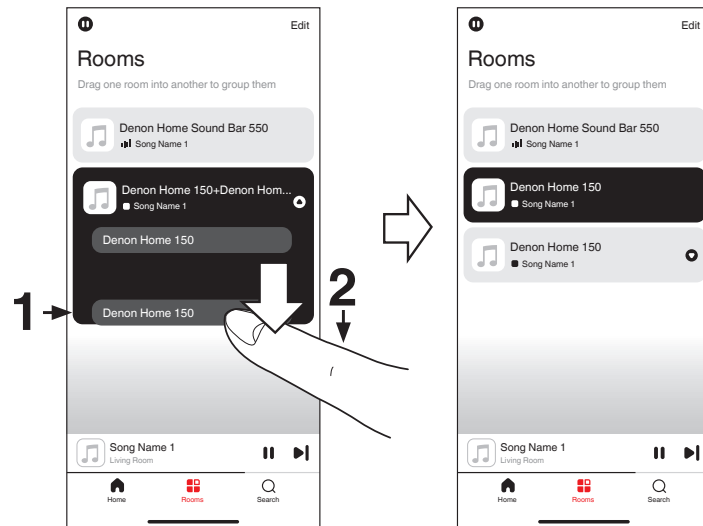

Grouping rooms

1 **Press and hold your finger on room that is not playing music.**

2 **Drag it into the room that is playing music and lift your finger.**

3 **The two rooms will be grouped together into a single device group and both rooms will be playing the same music in perfect sync.**
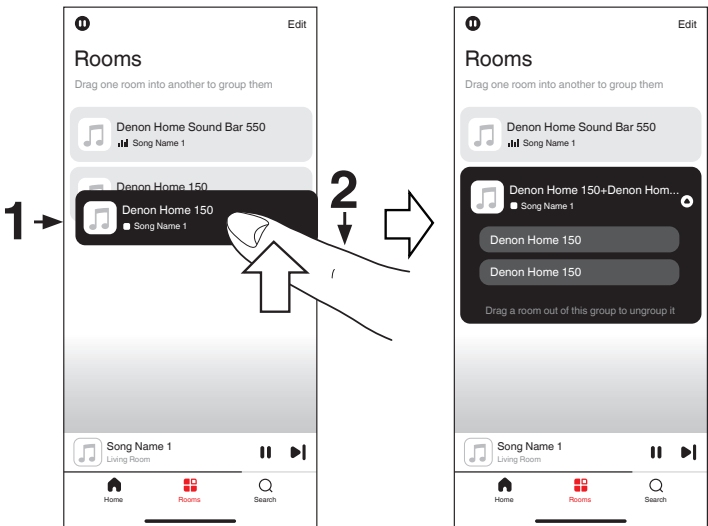
Ungrouping rooms

1   **Press and hold your finger on room that you want to remove from the group.**

2   **Drag it out of the group and lift your finger.**

*You can not remove the first room that started playing the music before grouping.*

Grouping all rooms (party mode)

You can easily group 16 rooms together into Party Mode by using a "pinch" gesture.

1   **Place two fingers on the screen over the list of rooms.**

2   **Quickly pinch your two fingers together and release.**

3   **All of your rooms will be joined together and begin playing the same music in perfect sync.**
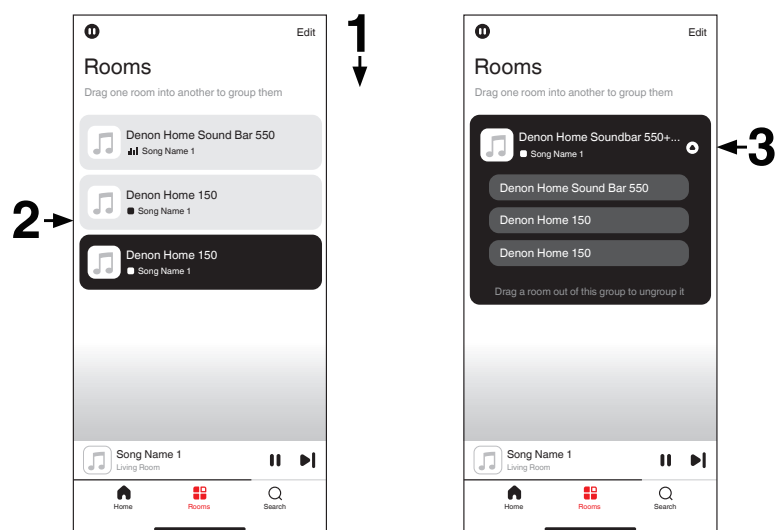
Ungrouping all rooms

You can easily ungroup all of your rooms and exit Party Mode by using a "spread" gesture.

1   Place two fingers close together on the screen over list of rooms.

2   Quickly spread your two fingers apart from each other and release.

3   All of your rooms will be ungrouped.
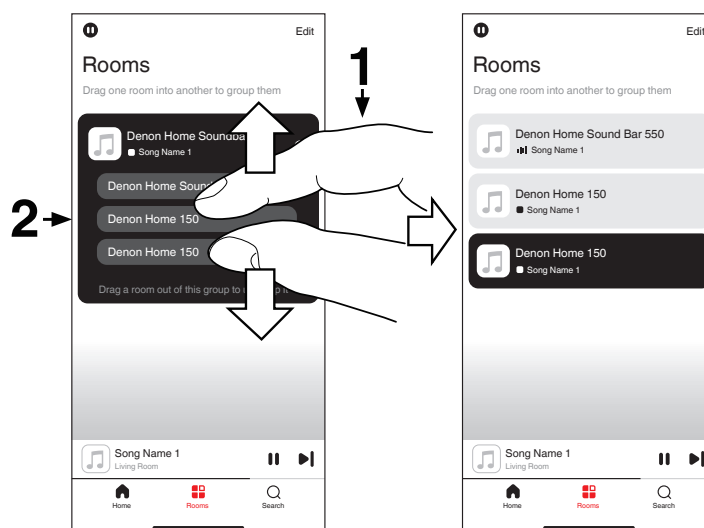
Playback

Listening to Internet Radio

Perform this operation on the HEOS App. Download the HEOS App in advance to your iOS or Android device.

The HEOS system includes access to more than 100,000 free internet radio streams from all corners of the globe via the TuneIn radio service. Just select the TuneIn logo from the main "Music" menu and browse among the 100,000 stations neatly organized into popular categories and select a station that appeals to your mood.

If you have a TuneIn account, you can sign into the TuneIn service under "Settings" - "Music Sources" - "TuneIn", and access all of your "My Favorites" TuneIn stations.

NOTE: The radio station database service may be suspended or be otherwise unavailable without notice.

Playable broadcast station specifications

	Sampling frequency	Bit rate	Extension
WMA	32/44.1/48 kHz	48 – 192 kbps	.wma
MP3	32/44.1/48 kHz	32 – 320 kbps	.mp3
MPEG-4 AAC	32/44.1/48 kHz	48 – 320 kbps	.aac/.m4a

Playing music stored on your mobile

Perform this operation on the HEOS App. Download the HEOS App in advance to your iOS or Android device.

1 Tap the "Home" tab.

2 Select "This iPhone/iPod/iPad/Phone".

3 Browse the local music on your phone and select something to play.

Playing back files stored on a PC or NAS

Perform this operation on the HEOS App. Download the HEOS App in advance to your iOS or Android device.

1   Select "Music Servers" from the "Home" tab.

2   Select the name of your networked PC or NAS (Network Attached Storage) server.

3   Browse the music on your PC/NAS and select something to play.

Specifications of supported files

	Sampling frequency	Bit rate	Extension
WMA*1	32/44.1/48 kHz	48 – 192 kbps	.wma
MP3	32/44.1/48 kHz	32 – 320 kbps	.mp3
WAV	32/44.1/48/88.2/96/ 176.4/192 kHz	–	.wav
MPEG-4 AAC*1	32/44.1/48 kHz	48 – 320 kbps	.aac/.m4a
FLAC	44.1/48/88.2/ 96/176.4/192 kHz	–	.flac
Apple Lossless*2	44.1/48/88.2/ 96/176.4/192 kHz	–	.m4a
DSD	2.8/5.6 MHz	–	.dsf/.dff

*1 Only files that are not protected by copyright can be played on this unit. Content downloaded from pay sites on the Internet are copyright protected. Also, files encoded in WMA format when ripped from a CD, etc., on a computer may be copyright protected, depending on the computer's settings.

*2 The Apple Lossless Audio Codec (ALAC) decoder is distributed under the Apache License, Version 2.0 (**http://www.apache.org/licenses/ LICENSE-2.0**).

Playing music from a USB flash

Perform this operation on the HEOS App. Download the HEOS App in advance to your iOS or Android device.

1   Insert a FAT32 formatted USB flash drive into the USB Front on the front panel of this unit.

2   Select "USB Music" from the "Home" tab.

3   Select the name of this unit.

4   Browse the music on your USB flash drive and select something to play.

It may take several minutes for the name of this unit to appear in the "USB Music" list if you have a large number of files on your USB flash drive.

It is not possible to connect and use a computer via the front USB port of this unit using a USB cable. This would possible using the USB-DAC (USB-B) input at the rear panel. The rear panel USB port is a stand-alone and not related to HEOS.

Note that Classé will accept no responsibility whatsoever for any problems arising with the data on a USB memory device when using this unit in conjunction with the USB memory device.

NOTE: When a USB flash drive is connected to this unit, the unit loads all of the files on the USB flash drive. Loading may take a while if the USB flash drive contains a large number of folders and/or files.

NOTE: Classe does not guarantee that all USB flash drives will operate or receive power.

NOTE: When using a portable USB hard disk drive (HDD) which came with an AC adapter, use that device's supplied AC adapter.

NOTE: USB flash drives will not work via a USB hub.

NOTE: Do not use an extension cable when connecting a USB flash drive. This may cause radio interference with other devices.

AirPlay function

Music files stored on your iPhone, iPod touch, iPad, Mac or Windows PC can be played on this unit via the network.
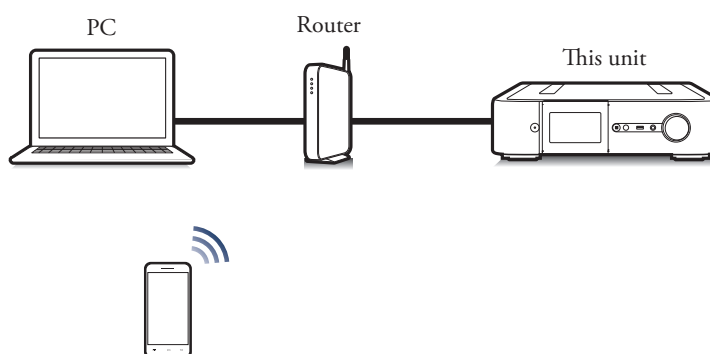
> *Input source will be switched to "HEOS" when AirPlay playback is started.*

> *You can stop AirPlay playback by choosing other input source.*

> *The screen may differ depending on the OS and software versions.*

This device supports AirPlay 2.
Sync multiple AirPlay 2 compatible devices/speakers for simultaneous playback.
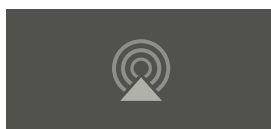

Playing songs from your iPhone, iPod touch, iPad or Mac

You can stream music stored in your "iPhone/iPod touch/iPad/Mac" directly to this unit.

1   Connect your iPhone, iPod touch, iPad or Mac Wi-Fi to the same network as this unit.
   • For details, see your device's manual.

2   Play the song on your iPhone, iPod touch, iPad or Mac.

3   Tap or click the AirPlay icon and select this unit.
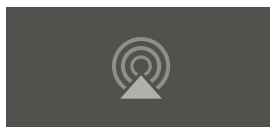
[Example] iOS 15 or macOS 13   [Example] iOS 10

> *You can also use AirPlay to stream music from other applications. Open the Control Center, tap or click the AirPlay icon, then select this unit.*

> *To use AirPlay, your iOS device must support iOS 10.0.2 or later, or OS X Mountain Lion 10.8 or later.*

1 **Install iTunes 10, or later, on a Windows PC that is connected to the same network as this unit.**

2 **Start iTunes and click the AirPlay icon to select this unit.**

[Example] iOS 15 or macOS 13   [Example] iOS 10

3 **Choose a song and click play in iTunes.**
The music will stream to this unit.

*When "Network Control" is set to "On", you can turn on this unit by operating iTunes.*

For information about how to use iTunes, also see the Help for iTunes.

Songs from an iPhone, iPod touch or iPad operating iOS 11.4 or later can be synced with multiple AirPlay 2 supported devices for simultaneous playback.

1 **Play the song on your iPhone, iPod touch or iPad.**
AirPlay icon is displayed on the iPhone, iPod touch or iPad screen.
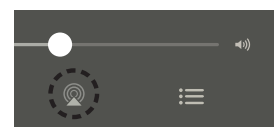
2 **Tap the AirPlay icon.**
Displays a list of devices/speakers that can be played back on the same network.

- A circle is displayed to the right of AirPlay 2 compatible devices.
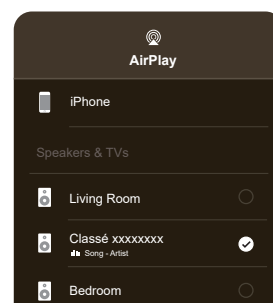
3 **Tap the devices/speakers you want to use.**
- Multiple AirPlay 2 compatible devices can be selected.
- Volume can be adjusted for each device individually or for all synced devices simultaneously.

55

Spotify Connect function

Spotify is all the music you'll ever need. Millions of songs available instantly. Just search for the music you love, or let Spotify play you something great.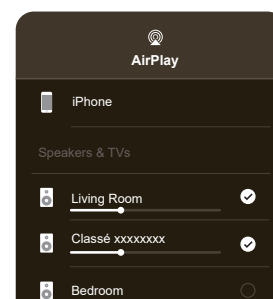 Spotify works on your phone, tablet, computer and home speakers. So you'll always have the perfect soundtrack for whatever you're doing. Now you can enjoy Spotify with your free account as well as Premium account.

Use your phone, tablet or computer as a remote control for Spotify.

Go to www.spotify.com/connect to learn how. The Spotify software is subject to third party licenses found here:
www.spotify.com/connect/third-party-licenses
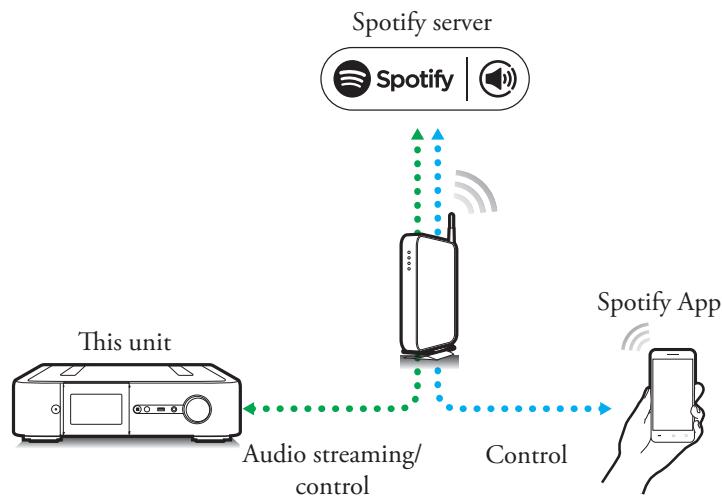
Playing Spotify music with this unit

Download the "Spotify App" onto your iOS or Android device beforehand.

1   **Connect the Wi-Fi settings of the iOS or Android device in the same network as this unit.**

2   **Launch the Spotify App.**

3   **Play back the Spotify track.**

4   **Tap the Spotify icon ◉ to select the unit.**
The music will stream to this unit.

Troubleshooting

Always refer any service problems to your Classé dealer. However, if you run into a problem, we recommend referring to this section first as sometimes an error is not a malfunctioning product, but simply an oversight in the proper setup or use of the component. This section provides suggested solutions to potential problems.

If none of these solutions work, please consult your Classé dealer for assistance. **There are no user-serviceable parts inside the Delta PRE MkII.**

Important!

Verify that the power amplifier(s) connected to the Delta PRE MkII is powered off before checking any cable connections and before power cycling the unit.

1   **Everything appears to be powered on, but there is no sound.**
   ✓ Adjust the volume control to a moderate level - audible but not excessive (e.g. -35.00 dB).
   ✓ Make sure that the selected source component is powered on, not in Standby mode, that it is playing an audio track and not in pause mode.
   ✓ Ensure that the proper connector has been selected for the current source.
   ✓ Try both analog and digital sources. For digital sources a file format and sampling frequency will appear at the bottom of the Home page. The word **Idle** appears when the digital source is not providing a signal.
   ✓ Verify that the Mute control is NOT engaged. This also applies to sources such as USB connected devices. For example, muting iTunes will result in no output even though the Delta PRE MkII is setup and operating properly.
   ✓ Ensure that the amplifier is powered up and not in *Standby* mode.
   ✓ Verify that all cables are securely connected to the proper inputs and outputs, with no kinks or stress points.

2   **There is no sound and neither the Standby LED/Status Indicator nor the touchscreen is lit.**
   ✓ Ensure that the Delta PRE MkII is properly connected to the electrical outlet - the AC cord is positioned firmly in the AC mains receptacle in the rear panel and the power switch is in the **ON** position.
   ✓ If the Delta PRE MkII is properly plugged in and the power from the electrical outlet is at the proper level, try the following: Switch off the main power switch on the rear panel, and unplug the unit for at least thirty seconds. Then plug the cord back in and try powering up again. Sometimes, a brown-out (short-term power loss/drop) can activate a protection mode, which requires a power cycle to reset the Delta PRE MkII to its normal operating mode.
   ✓ Remove the AC cord from the unit, and open the fuse holder adjacent to the AC cord inlet. If the fuse is blown (best verified using an ohm meter), contact your qualified Classé dealer for replacement fuse based on the unit configuration below.

Mains voltage:	*100-120VAC*
Fuse type:	*IEC time lag, low breaking capacity*
Rating:	*2AL 250V*

Mains voltage:	*220-240VAC*
Fuse type:	*IEC time lag, high breaking capacity*
Rating:	*1.25AH 250V*

Removal of the combined switch / fuse holder unit
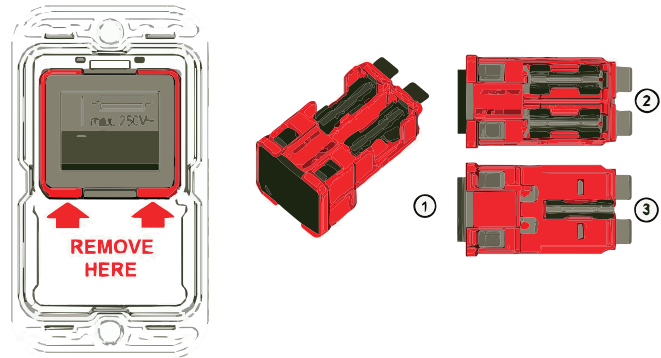
An additional fuse mark on the switch indicates the fuses holders behind the switch. The red frame shows the outline of the removable unit.

With a simple tool like a Swiss Army knife or a screwdriver No 1 or smaller the unit (1) can be removed from the filter. On the topside (2) behind the switch there are two fuse holders for each live connection. On the bottom side (3) is a clip to carry an additional spare fuse.

3   One speaker or subwoofer seems not to be playing.
✓ If the problem occurs with all inputs, check the interconnecting cables between the preamp and the power amp. Also check the speaker wires for secure connections.
✓ Check the balance control setting by pressing MENU on the front panel, and then verify the balance control setting is not turning one channel off or reducing its output.
✓ If the problem occurs for a subwoofer only, make sure it is active on the configuration assigned to this source button or the one that has been independently selected.
✓ Check the interconnect cables between the source component and the Delta PRE MkII.

4   The IR remote control does not seem to function.
✓ Ensure that there are no obstacles between the IR remote and the IR sensor.
✓ Check the orientation and if necessary, replace the batteries in the remote control.
✓ Be sure the IR sensor is not awash in direct sunlight.

5   There is a hum coming out of the speakers.

✓ If you are using single-ended interconnects, make sure they are not placed alongside any AC power cords. Also make sure that they are not too long – long single-ended interconnecting cables have a natural tendency to pick up noise even when shielded.

✓ If any source components are connected to cable TV, try disconnecting the cable television line from the source component. If the hum goes away, you need an isolation device between your cable TV converter and the source component. Your Classé dealer can help you obtain one of these inexpensive devices.

network/streaming
troubleshooting

1   The Network Status page shows Not Connected.

✓ Check that the Ethernet cable is connected to an active Network.

✓ Try substituting the Ethernet cable to confirm whether the cable itself is functioning.

✓ If using a wireless bridge, make sure it is connected to your wireless Network and that you are using the correct connector (labeled <...> on the Airport Express).

2   The Network status indicates Connected but the Delta PRE MkII does not appear on your list of devices in AirPlay or on your DLNA Media Player.

✓ Restart all participating components one at a time until the problem is resolved. First the media player, then the Delta PRE MkII (cycle the power off and on) and then your router. If the problem persists verify that you have a valid IP address. If your address is "Limited Auto IP" then the Delta PRE MkII has auto assigned itself an address and this indicates that your DHCP IP address server is not working.

3   Streaming audio drops out frequently.

✓ Usually a problem associated with wireless networks, if you are using a wireless bridge, make sure the signal strength from your wireless router is good (they may need to be located closer together) and devices that cause interference such as microwave ovens are not in use.

✓ Your router may not have sufficient bandwidth to consistently handle the data rate of the audio stream. A higher-performance router may be required.

4   The Delta PRE MkII sometimes turns itself on unexpectedly.

✓ This is likely caused by "sounds" (e.g. mouse clicks, new mail notifications, etc.) generated by your computer activating the auto select feature for your Network connection. Disable the sounds to eliminate the unwanted behavior.

5   The Delta PRE MkII sometimes turns itself off unexpectedly.

✓ This is likely caused by Auto Standby being enabled and activated. See the description of **Auto Standby** under **Advanced Settings** in **System Setup**.

6   The Delta PRE MkII does not turn on automatically from standby when using AirPlay or HEOS app.
  ✓ This is likely caused by the *Wake on Network* feature being disabled. Enable the *Wake on Network* feature in advanced settings to allow this feature.

USB flash drives cannot be played back

1   USB flash drive is not recognized.
  ✓ Disconnect and reconnect the USB flash drive.
  ✓ Mass storage class compatible USB flash drives are supported.
  ✓ This unit does not support a connection through a USB hub. Connect the USB flash drive directly to the USB port.
  ✓ The USB flash drive must be formatted to FAT32.
  ✓ Not all USB flash drives are guaranteed to work. Some USB flash drives are not recognized. When using a type of portable hard disc drive compatible with the USB connection that requires power from an AC adapter, use the AC adapter that came with the drive.
  ✓ Ensure the "HEOS" or "USB Front" input is selected.

2   Files on the USB flash drive are not displayed.
  ✓ Files of a type not supported by this unit are not displayed.
  ✓ This unit is able to display files in a maximum of eight folder layers. A maximum of 5000 files (folders) can also be displayed for each layer. Modify the folder structure of the USB flash drive.
  ✓ When multiple partitions exist on the USB flash drive, only files on the first partition are displayed.

3   Android devices are not recognized.
  ✓ The USB port of this unit does not support playback from Android devices.

4   Files on a USB flash drive cannot be played.
  ✓ Files are created in a format that is not supported by this unit. Check the formats supported by this unit.
  ✓ You are attempting to play a file that is copyright protected. Files that are copyright protected cannot be played on this unit.
  ✓ Playback may not be possible if the album art file size exceeds 2 MB.

The Internet radio cannot be played back

1   A list of radio stations is not displayed in the HEOS App.
  ✓ The LAN cable is not properly connected, or the network is disconnected. Check the connection status.

2   Internet Radio cannot be played.
  ✓ The selected radio station is broadcasting in a format that is not supported by this unit. Formats that can be played back in this unit are WMA, MP3 and MPEG-4 AAC.
  ✓ The firewall function is enabled on the router. Check the firewall setting.
  ✓ Check the power of the router is on.

✓ Some radio stations broadcast silently during some time period. In this case, no audio is output. Wait for a while and select the same radio station, or select another radio station.

✓ The selected radio station is not in service. Select a radio station in service.

3 You cannot connect to a radio station that is registered to Favorites with the HEOS App.

✓ Radio station is not currently in service. Register radio stations in service.

Music files on PC or NAS cannot be played back (Music server)

1 Files stored on a computer cannot be played.

✓ Files are stored in a non-compatible format. Record in a compatible format.

✓ Files that are copyright protected cannot be played on this unit.

✓ Even if PC is connected to the USB port on this unit, music files on it cannot be played back. Connect PC to this unit through the network.

✓ Media sharing settings on the server or NAS do not allow this unit. Change the settings to allow this unit. For details, see the owner's manual of the server or NAS.

2 Server is not found, or it is not possible to connect to the server.

✓ The computer's or router's firewall is activated. Check the computer's or router's firewall settings.

✓ Computer's power is not turned on. Turn on the power.

✓ Server is not running. Launch the server.

3 The HEOS App does not show the files in the computer or NAS.

✓ Files of a type not supported by this unit are not displayed.

4 Music stored on a NAS cannot be played.

✓ If you use a NAS in conformity with the DLNA standard, enable the DLNA server function in the NAS setting.

✓ If you use a NAS that does not conform with the DLNA standard, play the music via a PC. Set Windows Media Player's media sharing function and add NAS to the selected play folder.

✓ If connection is restricted, set audio equipment as the connection target.

Various online services cannot be played

1 Various online services cannot be played.

✓ The online service may have been discontinued.

Care & Maintenance

To remove dust from the cabinet of your Delta PRE MkII, use a feather duster or a lint-free soft cloth. To remove dirt and fingerprints, we recommend using a microfibre cloth and an anti-static spray such as lens or display cleaner applied to the cloth, not directly onto the Delta PRE MkII.

Dampen the cloth with cleaner fluid first and then lightly clean the surface of the Delta PRE MkII with the cloth. Do not use excessive amounts of cleaner that might drip off the cloth and into the Delta PRE MkII.

Caution!

Power down and remove the AC power cord from the Delta PRE MkII before performing maintenance. At no time should liquid cleaners be applied directly to the unit, as direct application of liquids may result in damage to electronic components within the unit.

Specifications

All specifications are accurate at the time of printing. Classé reserves the right to make improvements without notice.

General

- **Gain Range** — -93 dB to +14 dB
- **Input impedance** *(at 1kHz, single-ended / balanced)* — 50 kΩ
- **Output impedance** *(single-ended)* — 50 Ω
- **Output impedance** *(balanced)* — 200 Ω
- **Maximum output level** *(single-ended)* — 9 Vrms
- **Maximum output level** *(balanced)* — 18 Vrms

DAC Mode

(Default mode, with all DSP features disabled, All inputs)

- **Frequency response** — 5Hz - 90kHz
  (-3dB, sweep Fs=192kHz)
- **Harmonic Distortion** — <0.0015% (20Hz to 20kHz)
  (measurement bandwidth: 90kHz)
- **Dynamic range** — 124dB
  (-60dBFS, Fs=44.1kHz, A-wtd)
- **Signal-to-noise ratio** — 125dB
  (A-wtd, 22kHz BW, ref 4Vrms)
- **Jitter** — <40ps
  (Coaxial in, Fs=44.1kHz)

DSP Mode

(With any of the DSP features enabled and set to flat)

- **Frequency response** — 10Hz - 84.5kHz
  (50Ω source impedance)
- **Harmonic Distortion** — <0.002% (20Hz to 20kHz)
  (measurement bandwidth: 90kHz)
- **Intermodulation Distortion** — <0.002%
  (measurement bandwidth: 90kHz)
- **Maximum input level - Single Ended** — 2.7 Vrms
  (at 0dB gain) — (+10.8dBu)
- **Maximum input level - Balanced** — 5.4 Vrms
  (at 0dB gain) — (+16.9dBu)
- **Signal-to-noise ratio** — 105dB (108dBA)
  (22kHz BW, ref 4Vrms, A-wtd)
- **Crosstalk** — -105dB at 100Hz
  (one channel undriven - BAL/SE) — -120dB at 1kHz
  — -120dB at 10kHz
- **Channel Matching** *(Left to Right)* — +/- 0.06dB
- **Tone** *(0.5dB steps)* — +/- 6dB
- **EQ** *(independant L/R, 0.5 dB steps)* — 5 band, +3dB/-20dB

Continued

Bypass Mode

(When 'Bypass' is selected for any of the XLR/RCA inputs)

- **Frequency response**   1Hz - 2MHz
  (-3dB, 50Ω source impedance)
- **Harmonic Distortion**   <0.0004% at 1kHz
  (measurement bandwidth: 90kHz)   <0.0005% at 10kHz
  <0.0006% at 20kHz
- **Intermodulation Distortion**   <0.0001%
  (measurement bandwidth: 90kHz)
- **Maximum input level - Single Ended**   4.5 Vrms
  (at 0dB gain)   (+15.3dBu)
- **Maximum input level - Balanced**   9 Vrms
  (at 0dB gain)   (+21.3dBu)
- **Signal-to-noise ratio**   130dB (133dBA)
  (22kHz BW, ref 9Vrms, A-wtd)
- **Crosstalk**   -143dB at 100Hz
  (one channel undriven - BAL/SE)   -140dB at 1kHz
  -124dB at 10kHz
- **Channel Matching** *(Left to Right)*   +/- 0.03dB

Phono

(Measured 0dB gain, Bypass Mode, XLR Phono)

- **RIAA deviation** *(20Hz - 20kHz)*   < 0.2dB
- **Load options for MM type (47k II)**   50pF, 100pF, 150pF,
  200pF, 250pF, 300pF,
  350pF, 400pF, 450pF
- **Load options for MC - low output**   7.5Ω, 10Ω, 33Ω, 50Ω,
  82Ω, 100Ω, 330Ω, 1kΩ
- **Load options for MC - high output**   47kΩ
- **MM, MC - high output**
  Gain *(1kHz, 20Ω source impedance)*   41.5dB
  SNR *(22kHz BW, ref 5mVrms)*   86dB (93dB A-wtd)
  Max input level *(overload ref 5mVrms)*   11dB (20Hz)
  23dB (1 kHz)
  34dB (10kHz)
- **MC - low output**
  Gain *(1kHz, 20Ω source impedance, 1kΩ load)*   60dB
  SNR *(22kHz BW, ref 0.5mVrms)*   68dB (74dB A-wtd)
  Max input level *(overload ref 0.5Vrms, 1kΩ load)*   12dB (20Hz)
  31dB (1 kHz)
  52dB (10kHz)

Headphone

- **Power**   540mW
  (nominal input, 0dB gain, 32Ω load)
- **Output impedance**   6.8Ω

Continued

Format

- **USB Front**   44.1k, 48k, 88.2k, 96k
  (iOS) Charging capability : 2.1A   *(max sample rate is iOS specific)*
  (LPCM) 32k, 44.1k, 48k, 88.2k, 96k, 176.4k, 192k
  (DSD) DSD64, DSD128
  (playing from a USB flash device)

- **USB Back**   *(LPCM)* 32k, 44.1k, 48k, 88.2k, 96k
  (LPCM / DSD)   *(LPCM)* 176.4k, 192k, 352.8k, 384k, 768k

  (DoP) DSD64, DSD128
  (Native DSD*) DSD64, DSD128, DSD256, DSD512
  (* requires CLASSÉ Audio Driver for Windows)

- **Optical, Coax, AES/EBU**   *(SPDIF)* 32k, 44.1k, 48k, 88.2k, 96k
  (SPDIF / DSD)   *(SPDIF)* 176.4, 192k
  (DoP) DSD64

- **Ethernet**   max 192k/24bit *(File Format dependent)*
  (WAV, AIFF, ALAC, FLAC, WMA,   *(DSD)* DSD68, DSD128
  AAC, MP3, OGG_VORBIS, DSD)

Power consumption

- **Standby Power Consumption**
  (for North American 120V)   Normal standby (WoN: disabled*) 0.3W
  Network standby (WoN: enabled) 3.3W
  RS232 standby (WoN: enabled) 3.6W
  CAN-BUS standby (WoN: enabled) 3.3W

  (for Europe 220-240V)   Normal standby (WoN: disabled*) 0.5W
  Network standby (WoN: enabled) 4.0W
  RS232 standby (WoN: enabled) 4.0W
  CAN-BUS standby (WoN: enabled) 4.0W

  (*20 mins after AC is applied)

- **Power Consumption**
  (for North American 120V)   68W
  (for Europe 220-240V)   85W

- **Power Supply**
  (for North American)   120V~ 50/60Hz
  (for Europe)   220-240V ~ 50/60Hz

  Note: Refer to the rear panel of the PRE for the configured voltage

Continued

Dimensions / Weight

■ **Operating Temperature** 10-35 ℃ (50-95 ° F)

■ **Overall dimensions** Width: 445mm (17.5")
Depth (including connectors): 449mm (17.5")
Height: 121mm (4.75")

■ **Net weight** 13.5 kg (29.8 lbs)
■ **Shipping weight** 17.8 kg (39.2 lbs)
(Europe) 18.4 kg (40.5 lbs)

For more information, see your Classé dealer, or contact our Headquarters at:

Sound United, LLC
5541 Fermi Court
Carlsbad, CA 92008
United States

Internet: https://classeaudio.com

Made for:

- iPhone 14 Pro Max
- iPhone 14 Pro
- iPhone 14 Plus
- iPhone 14
- iPhone SE (3rd generation)
- iPhone 13 Pro Max
- iPhone 13 Pro
- iPhone 13
- iPhone 13 mini
- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12
- iPhone 12 mini
- iPhone SE (2nd generation)
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Max
- iPhone XS
- iPhone XR
- iPhone X
- iPhone 8 Plus
- iPhone 8
- iPhone 7 Plus
- iPhone 7
- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPhone 6 Plus
- iPhone 6
- iPhone 5s

Made for:

- iPad (9th generation)
- iPad (8th generation)
- iPad Pro 10.5-inch
- iPad Pro 12.9-inch (2nd generation)
- iPad Pro 9.7-inch
- iPad Pro 12.9-inch (1st generation)
- iPad Air (3rd generation)
- iPad Air 2
- iPad Air
- iPad mini (5th generation)
- iPad mini 4
- iPad mini 3
- iPad mini 2
- iPad (7th generation)
- iPad (6th generation)
- iPad (5th generation)
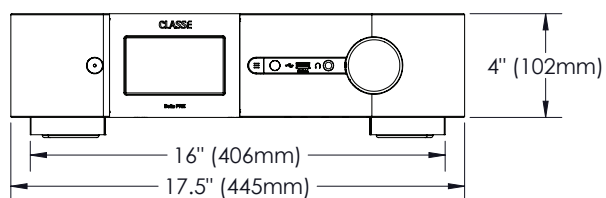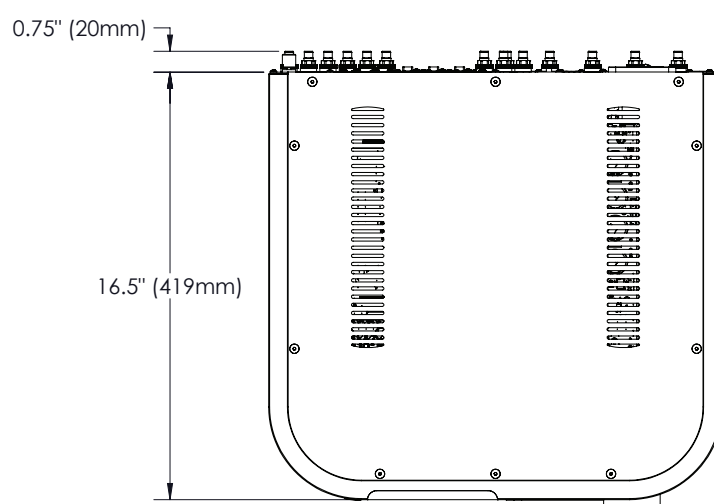- iPod touch (7th generation)
- iPod touch (6th generation)

Works with
Apple AirPlay

Dimensions

0.75" (20mm)

16.5" (419mm)

4" (102mm)

16" (406mm)

17.5" (445mm)

4.75" (121mm)

17.5" (449mm)

Installation Worksheet

Source:_____

  Audio Connector: _____

  Input: _____

Source:_____

  Audio Connector: _____

  Input: _____

Source:_____

  Audio Connector: _____

  Input: _____

Source:_____

  Audio Connector: _____

  Input: _____

Source:_____

  Audio Connector: _____

  Input: _____

Source:_____

  Audio Connector: _____

  Input: _____

Source:_____

  Audio Connector: _____

  Input: _____

CLASSÉ

Classé offers International Service and Support for its Products.
Please visit our Website to find up-to-date Contact Information.

https://classeaudio.com