PS AUDIO

Owner's Reference

Stellar™ Strata Amplifier

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Safety Information

Stellar Strata Amplifier

Important Safety Instructions

READ AND FOLLOW ALL INSTRUCTIONS
HEED ALL WARNINGS

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THE APPARATUS. THIS APPARATUS MUST BE CONNECTED TO A MAINS AC OUTLET WITH A PROTECTIVE GROUND CONNECTION.

Clean only with a dry cloth. Do not place flammable material on top of or beneath the unit.

The PS Audio® Stellar Strata Amplifier is a passively cooled component that requires adequate ventilation at all times during operation.

Do not remove or bypass the ground pin on the end of the AC cord. All PS Audio® products ship with a grounding-type plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Unplug this apparatus during lightning storms.

When making connections to this or any other component, make sure all components are powered off. Turn off all systems' power before connecting the PS Audio® component to any other component. Make sure all cable terminations are of the highest quality.

THERE ARE NO USER-SERVICEABLE PARTS INSIDE THIS PS AUDIO PRODUCT. REFER ALL SERVICE NEEDS TO QUALIFIED SERVICE PERSONNEL.

Please contact your authorized dealer, distributor, or PS Audio® directly if you have any questions or concerns that are not addressed in this reference manual.

PS Audio®, the sine wave logo, and **PerfectWave®** are registered trademarks of PS Audio, Inc., and are restricted for use by PS Audio, Inc., its subsidiaries, and authorized agents. **Stellar™**, **Power Plant™**, **MultiWave™**, **CleanWave™**, and **Gain Cell™** are trademarks of PS Audio, Inc.

This product was designed and assembled in Boulder, Colorado with globally sourced components.

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Introduction

Stellar Strata Amplifier

Thank You

Thank you for purchasing PS Audio's Stellar Strata Amplifier. This is your comprehensive Operator's Guide, intended to provide a full overview of the Stellar Strata Amplifier's functions and capabilities. It is our intention to provide you with full details about the Stellar Strata Amplifier and to answer any and all questions you may have. If you have additional questions or concerns that are not addressed in this guide, please contact us and we will be happy to assist you.

Contact Information

PS Audio, Inc.
4865 Sterling Drive
Boulder, CO 80301
1 (800) PSAUDIO
service@psaudio.com
www.psaudio.com

Symbols Found On The Stellar Strata

CE Indicates compliance with European Union Legislation for relevant safety (Low Voltage Directive 2006/95/EC) and EMC (EMC Directive 2004/108/EC) requirements.

Is intended to tell the user that parts inside the product are a risk of electric shock to persons.

Is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

Signifies that the instrument complies with European Union Waste Electrical and Electronic Equipment Directive.

Pb Indicates that the unit is in compliance with the European Union Reduction of Hazardous Substances Directive.

PS AUDIO

Getting Started

Stellar Strata Amplifier

Getting Started

Stellar Strata Amplifier

Included With The Stellar Strata

- 6-foot Power Cable
- Owner's Reference Manual
- Remote Control
- 2 AAA batteries

The Remote

1 The Off button. This turns the Strata off.

2 Fixed Volume Button (Home Theater). This toggles Fixed Volume mode on or off.

3 Left/Right/Up/Down arrow keys. Up and Down adjust volume. Left / Right adjusts balance.

4 Filter mode button. Select F1, F2, or F3 filters. Note that this only applies to digital inputs.

5 Volume button. + volume up, - volume down.

6 Input select section.

7 The On button. This turns the Strata on.

8 The Dim button. This shuts off the display.

9 The Mute button. This mutes the audio output.

10 The phase button. Toggles between in phase and out of phase.

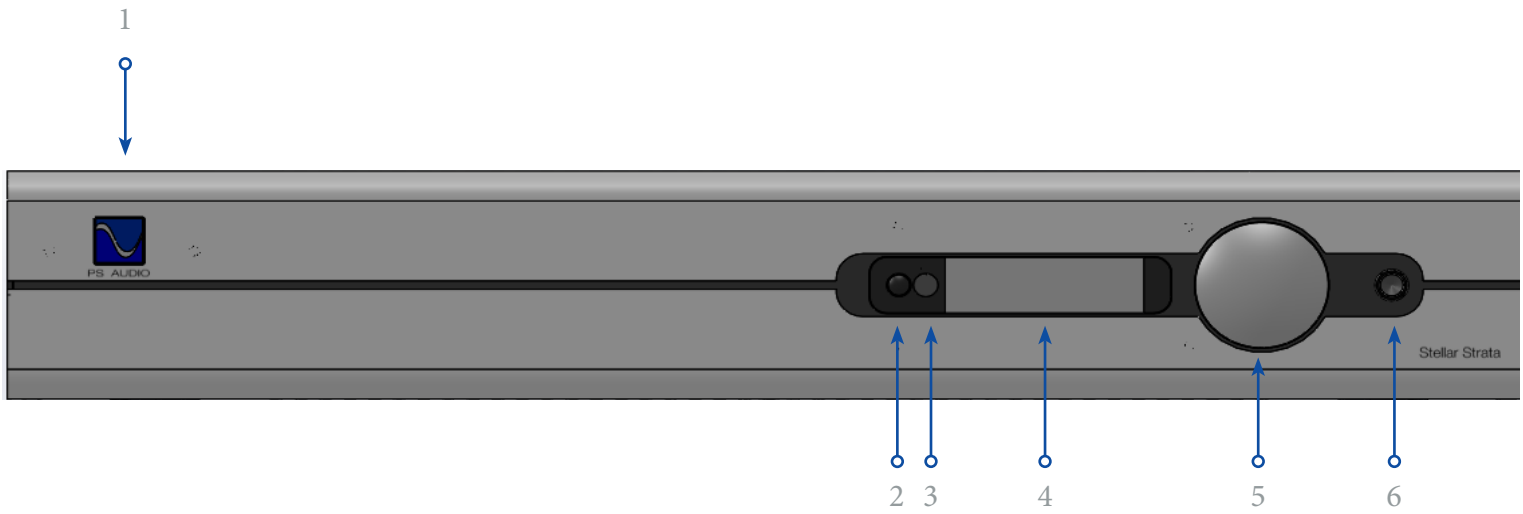
11 The remote uses 2 AAA batteries that are included and will need to be installed.

Getting Started

Stellar Strata Amplifier

Front Panel View

1	Logo/ Power On/Off Button
2	Input Select and Menu Button
3	IR sensor
4	Display
5	Volume Knob
6	Headphone Output

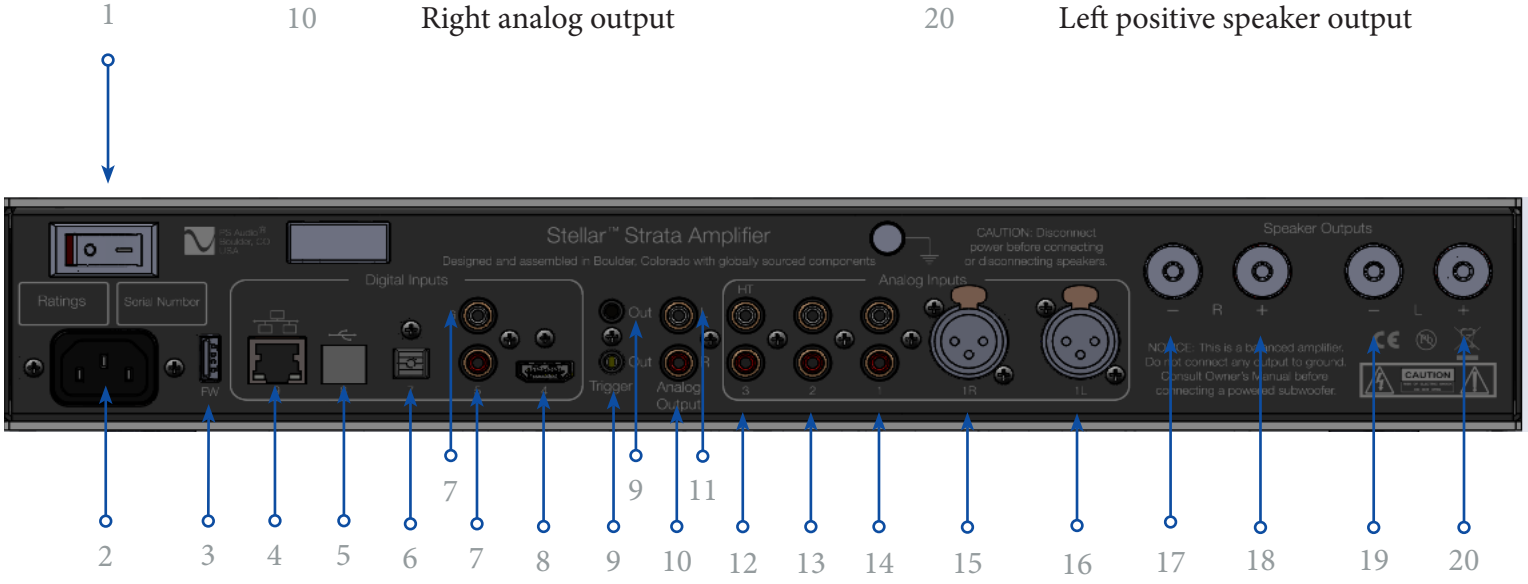


Getting Started

Stellar Strata Amplifier

Rear Panel View

1	Power switch	11	Left analog output
2	IEC inlet	12	Single ended analog input (# 3)
3	USB firmware port	13	Single ended analog input (# 2)
4	Network input (# 9)	14	Single ended analog input (# 1)
5	USB audio input (# 8)	15	Right balanced analog input (# 1)
6	Optical input (# 7)	16	Left balanced analog input (# 1)
7	COAX inputs (# 5 & 6)	17	Right negative speaker output
8	I^2S input (# 4)	18	Right positive speaker output
9	Trigger output	19	Left negative speaker output
10	Right analog output	20	Left positive speaker output



Getting Started

Stellar Strata Amplifier

Installation Considerations

Location

Once your new Stellar Integrated Amplifier is unpacked, you will need to find a convenient place to set it. A good locations in a cabinet or on a shelf at an easily accessible height. The IR (infrared) receiver for the remote is located to the left of the display screen. A direct line of sight will help with Stellar Strata Amplifier's IR sensor. The Strata and the Stellar Phono Preamplifier were designed to stack on top of each other if they are not placed on separate shelves. Do not remove the feet.

Mounting

The Stellar Integrated Amplifier should be placed with consideration of providing air circulation to the unit. If you wish to install the Strata into your component rack, the purchase of an aftermarket, custom-designed shelf may be necessary.

If your equipment is located a long distance from the Strata, it is preferable to use a long, heavy gauge shielded power cable between the AC receptacle in the wall and the Strata, rather than long individual cables between the connected components.

Plugging In The Power Cable

You may use either the provided power cable or an aftermarket power cable to connect your unit to AC power. For best results, we strongly recommend the use of a PS Audio PerfectWave® Power AC cable, or any high-quality aftermarket power cable. It is always preferable to feed your equipment using an excellent power cable, as there will be a significant performance improvement over the stock power cable.

To connect your unit to AC power, plug the flat end of the power cord into the IEC AC inlet and the pronged end into a wall socket.

Country Specific AC Voltages

The Stellar Strata Amplifier, as with most PS Audio products, is country specific to its incoming AC voltage. This means the unit can only be operated at its preset voltage, such as 230 volts for most of Europe and Asia, 100 volts for Japan, and 120 volts for the US and other similar countries. Immediate damage can occur if you try and power the Strata with a voltage on which it was not designed to operate.

Analog Inputs

Refer to the picture of the back panel on page eight.

The Stellar Strata Amplifier has three stereo analog inputs that can be used to connect analog sources such as phono preamplifiers, tuners, and tape decks.

Input #1 has both balanced (XLR) and unbalanced (RCA) connectors. It is intended that only one of these connectors be used at a time, although the unit has been designed to prevent damage to both itself and the connected equipment if this were to happen. Use the balanced (XLR) inputs for your most critical analog source, typically your phono preamplifier.

Input #2 has only unbalanced (RCA) connectors.

Input #3 is a special input with two different operating modes. With the default settings the unit is shipped from the factory with, this input will behave as a normal input the same as Input #2. However this input can also be configured as a "Fixed Volume" input. In this mode the volume setting is fixed to a user-defined level, and is unaffected by the main volume control. This is useful when using the Stellar Strata Amplifier as the front left and right channels in a system that also has a home theater processor. See the menu section of this manual for details on how to configure Input #3 for Fixed Volume mode.

Analog Output

The Stellar Strata Amplifier has one stereo analog output that can be used to connect an additional amplifier or powered subwoofer.

Digital Inputs

The Stellar Strata Amplifier has six stereo digital inputs that can be used to connect digital sources such as CD transports, computers, and the internet.

Input #4 is an I2S input. I2S is the standard connection method that almost all the IC chips inside a digital audio product use and has separate wires for the data and the clocks. By connecting your equipment using this connection you can be assured that the audio information is delivered with the absolute minimum amount of processing. It can be connected to a PS Audio PWT, DMP, or many other third party pieces of equipment. The I2S input uses standard HDMI cables for the connection. Please note that although HDMI cables are used, the connector is not compatible with HDMI and you cannot connect this input to the HDMI output on a disc player or other device. The I2S input can accept up to 384KHz 24 bit PCM or native DSD128 source material.

Digital Inputs, Continued

Inputs #5 and #6 are coaxial S/PDIF inputs. These inputs are compatible with a wide variety of sources. The coax inputs can accept up to 192KHz 24 bit PCM. The Stellar Strata Amplifier cannot accept DSD or DoP signals on the coax inputs.

Input #7 is an optical S/PDIF input. This is similar to the coax inputs except the signal is delivered over an optical cable. Because of the limitations of optical cable, the sample rate on this input may be limited to 96KHz.

Input 8 is the USB input. If you are using USB, make sure both the computer and Stellar Strata Amplifier are connected and powered up. USB requires a driver to operate properly. Mac computers running OSX have the driver built in. Windows 10 also has the driver built in. However, computers with older versions of Windows will require the PS Audio driver to be installed. Download the driver from our website; it is the same driver used in all PSAudio USB products. The Strata will show up under Device Manager under a heading PS Audio USB 2.0 Audio Devices. The USB input can accept up to 384KHz PCM, and DSD128 that is either native or DoP encoded.

You can obtain a copy of the driver here: http://www.psaudio.com/support/downloads/

Input #9 is the streaming audio input. Connecting this input to your computer network will allow you to play music from any computer in your home with UPnP (Universal Plug and Play). It will also allow you to play music directly from Spotify using "Spotify Connect". In addition, by using the PS Audio PS Connect app on your compatible mobile device you can play music from your network directly to your Strata using Tidal, Qobuz and many other music services. The PS Connect app allows your smartphone to function as a controller for the Strata's streaming functionality. Note: the Strata does not have Bluetooth connectivity.

There are two options for connecting the streaming input: wired Ethernet or Wi-Fi. If a wired connection is available, this will usually be the easiest to set up. Simply connect the Strata to your network router or switch with a good quality Cat 5 or better Ethernet cable. If a wired connection is not available, you can use the Strata's built-in Wi-Fi to connect to your network. There are two options for selecting the wireless network: You can select it manually or use Strata's WPS feature. Refer to the menu section for more information.

Getting Started

Stellar Strata Amplifier

Connecting The Speaker Cables

The Stellar Strata Amplifier uses custom machined connectors. These connectors accept spade, banana, or wire connections.

WARNING! Never connect speaker cables while the amp is on. Turn off the amplifier using the switch on the back panel before making the speaker connections.

Connecting a Subwoofer

The Stellar Strata Amplifier is a balanced amplifier. This means that both the positive and negative speaker terminals are driven by the amplifier. THE BLACK TERMINALS ARE NOT GROUND. Do not connect the black terminals to each other or any other ground signal. NOTE: Some powered subwoofers require a ground connection. There is a separate ground binding post on the back of your amplifier for this purpose.

Powering On Your Stellar Strata

Once the unit is connected to power, flip the master power switch on the rear panel to the On position. The PS Audio logo LED button on the front panel will glow blue when the unit is powered on and ready for use.

Idle Mode

The master power switch on the rear panel should remain on at all times. When your connected equipment is not in use, the Stellar Strata can be placed in Idle mode. Putting your unit in Idle mode will deactivate all of its output relays.

Idle mode can be activated/deactivated by pressing the PS Audio logo button, located on the upper left hand corner of the Strata front panel. When the logo button is not lit, the Stellar Strata is in Idle mode. Idle mode can also be activated/deactivated by pressing the On/Off button in the top left hand corner of the remote.

CAUTION: Activate Idle mode before powering down your unit using the rear panel master power switch.

Trigger Output

The Stellar Strata Amplifier has a trigger output for remotely controlling another power amplifier or other equipment. This trigger output is approximately 9VDC and can deliver up to 40mA. This is compatible with the trigger inputs on all PS Audio equipment and many other devices.

There is a time delay between when the Stellar Strata Amplifier is activated and when the trigger output is turned on. This delay can be adjusted in the Settings menu.

Power Up Transient

Upon startup, it's common to hear a small sound from the connected speakers. This is normal and is not harmful to the loudspeakers.

Activating the Unit

The PS Audio logo in the upper left corner of the Stellar Strata Amplifier serves to activate and disable the unit. Press the logo/button to activate your amplifier. The button will illuminate and the display will show the PS Audio logo for a moment. After that you will see a "0" on the screen. This is your volume setting. The unit is now ready for setup and initial operation.

Selecting an Input

The first time the unit is activated after power is applied, the unit will select Analog Input #1. The selected input is shown on the display. Press the small, round Select button to the left of the display to change inputs. The first press will show the name of the already selected source. Pressing the button again will step to the next input. Double-clicking the button will step backwards to the previous input. The selection will wrap from the last input to the first and vice-versa.

Adjusting The Volume

The first time the unit is activated after power is applied, the volume will be set to 0. The volume is adjusted by rotating the volume knob.

NOTE: The button and knob also serve to access various menu functions. This will be explained in the menu section of this manual.

Streaming

Before you can use the streaming features on your Stellar Strata, you must connect it to the internet and your local network. See the "Menu Features" section for details. Once that is done, you can play music to it from any application or server that uses UPnP. The Strata should appear in your software as "StellarStrataAmp_xxxx' (The last 4 characters are unique for each unit). If you are using Spotify on your personal computer or mobile device, look for an "Available Devices" setting in the application. You should see your Strata listed. Remember your Strata and your computer or mobile device must be connected to the same network.

Using the Remote

All of the most-used functions can be operated from the included IR remote control.

Idle Mode

Use the "Off" button to put the unit in Idle mode. Use the "On" button to return it to the operating mode.

Volume and Balance

There are two sets of volume buttons on the remote, and you may use whichever are more comfortable or convenient for you. One set is the bar with "-" and "+" symbols on it. The other set of volume controls is the up and down arrows.

Input Select

There are 9 input buttons that allow you to directly select any of the Stellar Strata Amplifier's sources.

Filter and Phase

The Strata has a digital filter that can tailor the sound of digital sources to the listener's preference. Changing the filter and phase settings is often desirable during a listening session, and buttons are provided to adjust those settings directly from the remote control. Please see the corresponding sections under "Menu Features" for more details on what these features do.

NOTE: The filter settings only apply to digital inputs.

Display Dim

Pressing the "Dim" button will turn off the display and all the indicators on your Stellar Strata Amplifier. Any time you press any button on your remote control, the Strata will wake up and reactivate the display and indicators for 7 seconds. After 7 seconds with no button activity, the display will go dark again. Pressing the "On" button will restore the Strata display to normal operation.

NOTE: The "Dim" button operates many PS Audio products, so that one button press will darken your entire equipment stack for a less distracting listening experience.

HT (Home Theater)

The HT, or Fixed Volume button, activates the fixed volume input, Analog Input #3 as described in the Setup section of the manual. If you have not configured your Stellar to use this feature the HT button will not do anything.

Menu Features

The Stellar Strata Amplifier features a menu display system that is accessible using the small selector button and the large silver knob. It's a good idea to familiarize yourself with the different functions in the Stellar Strata Amplifier's menu. To access the menu, simply press and hold the menu button to the left of the display. A gear icon will appear in the upper right corner showing that you are in the Settings menu.

Exiting the Menus

Executing a long press of the menu button (holding for more than two seconds) will exit the menus and return the unit to the Home screen. The menus will also timeout after seven seconds. Note that settings are typically saved in real time as the changes are made.

Balance

The Balance feature allows you to adjust the center location of the stereo image. Turning the knob to the left will reduce the gain of the right channel, thus making the image to come more from the left channel, and vice-versa. The balance steps are each 1/4dB and the range is 48 steps each way for a maximum shift of 12dB.

When the balance is set to anything other than the center position, there will be an icon on the Home screen to indicate this state.

Phase

The phase feature allows you to invert the signal from the digital inputs. (It does not affect the analog sources) Turning the knob will change the absolute polarity of the signal from "Norm" (Normal) to "Inv" (Inverted). This can be useful when listening to certain source material which may have inverted absolute polarity. NOTE: Some listeners are more sensitive to absolute polarity than others.

Menu Features (Continued)

Filter

The filter selection feature allows you to choose the properties of the digital filter in the Strata's built-in DAC. The filter selection does not affect the analog sources.

Digital filters generally have a trade-off between how sharp the filter is and how much ringing results. A sharp filter allows the most high-frequency signal to pass through, but at the expense of greater ringing. There are three filter options in the Stellar Strata Amplifier.

Filter 1 is "Fast Roll-off Linear Phase". This filter has very good high frequency response. It has slightly less ringing than Filter 2 but it does exhibit pre-ringing. While this filter may actually measure the best in a laboratory, we found it to be the most analytical sounding. This is the default filter for the Strata.

When this filter is activated, an F1 will appear in the icon bar on the top of the Home screen.

Filter 2 is "Slow Roll-off Linear Phase". This filter is the least sharp and has the least amount of ringing. There is a slight loss in high frequencies that might be noticeable on CDs and other 44.1KHz sample rate material. It should not be detectable at all with higher sample rate sources.

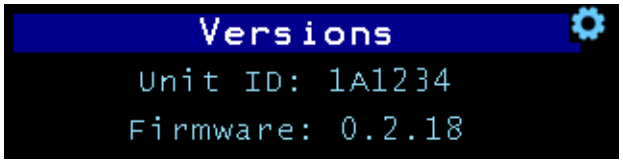
When this filter is activated, an F2 will appear in the icon bar on the top of the Home screen.

Filter 3 is "Fast Roll-off Minimum Phase". This filter has more extended high frequency response than Filter 2 but more ringing as well. There is no pre-ringing (an undesirable artifact of some digital filters) so this is still a very musical sounding filter. Some people may prefer this filter for 44.1KHz source material.

When this filter is activated, an F3 will appear in the icon bar on the top of the Home screen.

Menu Features (Continued)

Version



This menu display shows the versions of the Strata's firmware. If you need to contact our customer service team for help with your unit, please have this information ready.

More Settings

There are additional, less often used features in the Settings sub-menus. The features are divided into three groups: Audio, System, and Network. Sub-menus are displayed on the screen with a triangle pointing to the right. To enter these sub-menus, press the menu button repeatedly until the desired sub-menu is displayed, then double-press the menu button to go into the sub-menu.

Audio sub-menu (double press to open)

Input Names sub-menu (double press to open)

Input Names is a sub-menu inside the Audio sub-menu. This feature allows you to customize the name shown for each input. For example, if you are using Input #1 for your turntable, you can change the name shown on the display from the default of "Analog 1" to "Phono". You can enter the Input Names sub-menu the same way as other sub-menus, by double pressing the menu button.

When you enter this sub-menu, you will be guided through the process of selecting new input names.

Menu Features (Continued)

Volume Trim sub-menu (double press to open)

This feature allows you to adjust the relative volume level of each input. This is useful if you have sources that are especially louder or softer than others. You can trim their volume so that changing inputs does not require a large compensating change to the volume setting. Each input can be adjusted up to 10dB higher or lower.

Headphone Trim

This feature allows you to adjust the relative volume when using headphones. If your headphones are very sensitive, you may wish to adjust this setting so the headphones are not too loud when you plug them in. Similarly, if your headphones play too softly compared to the volume through the speakers, you can use the Headphone Trim to increase the gain. The Headphone Trim can be adjusted up to 10dB higher and lower.

Speaker Maximum Volume

In some situations, especially with high-sensitivity speakers, the Strata's volume control might have too much range and allow your system to play at potentially dangerous levels. The Maximum Volume feature can be used to limit the maximum volume control setting to a safer level.

Menu Features (Continued)

Analog 3 Fixed Volume

The Fixed Input feature allows you to configure Analog Input #3 to always have the same fixed volume setting. This is useful if you are using the Stellar Strata Amplifier to power the front channels in a surround sound system. In this configuration, the output of your surround receiver would be connected to Analog Input #3. Set the Fixed Input volume setting to match your other speakers. When Analog Input #3 is selected the volume control on the Strata will be locked and you will control the volume using your surround receiver. If this value is anything except OFF, then you may also use the HT button on the remote to activate Analog Input #3.

System sub-menu (double click to open)

Trigger Delay

This feature allows the trigger output to be delayed a period of time after the Strata is activated. The time delay can be adjusted from 0 to 60 seconds.

Backlight

The brightness of the display can be adjusted to suit your room lighting any your tastes. The range is from 1 to 10.

Menu Features (Continued)

Display Timeout

The Display Timeout feature behaves like a screen saver on your computer. After a set amount of time of no activity, the display will go dark. The choices are: None (feature disabled), Auto, 10 seconds, 30 seconds, 1 minute, 5 minutes, or 10 minutes. In the Auto mode, the display will be activated by the music and the display will go dark after 3 minutes of nothing playing.

Display Metadata

If you enable this feature, when playing music from a streaming source, the Strata will show song artist and title information on the display.

PS Audio access

Enable this feature to allow PS Audio Customer Support remote access to the Strata. Note that you will need to have the Strata connected to your network to use this feature. For more information please reach out to us at:

PS Audio, Inc.
4865 Sterling Drive
Boulder, CO 80301
1 (800) PSAUDIO
service@psaudio.com
www.psaudio.com

Menu Features (Continued)

Update sub-menu (double click to open)

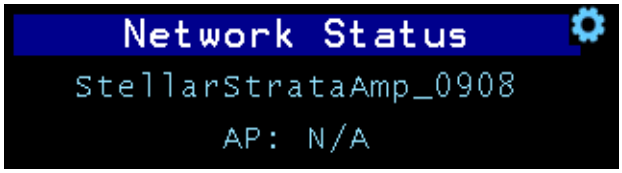
This feature will automatically update the firmware in the Strata. The firmware will be downloaded over your network so the unit will need to be connected to the internet via Cat 5 or Wi-Fi.

Factory Reset sub-menu (double click to open)

This feature allows you to reset all of the configuration settings back to what they were when the Strata was shipped from the factory. Any custom input names, trim levels, Wi-Fi networks, or any other settings you have made will be erased.

Network sub-menu (double click to open)

Network Status



This menu item will show you information about your network connection, including Wired/Wi-Fi, IP address, and connection status. This menu is information only, there are no settings.

Menu Features (Continued)

Wi-Fi Enable

This feature allows you to enable/ disable the wireless (Wi-Fi) functionality. Rotate the volume knob to turn the Wi-Fi on or off.

Wi-Fi WPS

This feature is for using WPS, or Wi-Fi Protected Setup, to configure your Strata with your network without the need to enter passwords. Use this menu to activate the WPS feature, then press the corresponding WPS button on your router. Your Strata will then be connected to your Wi-Fi network automatically.

Wi-Fi Setup sub-menu (double press to open)

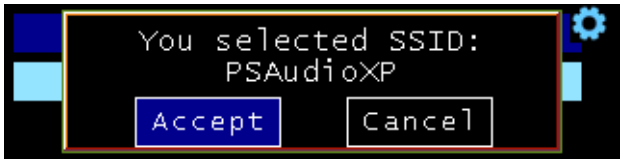
This menu is used to manually setup a Wi-Fi network connection.

Network Select

Select your router from the drop down menu by rotating the volume knob to select the correct AP (access point). Press the menu select button to choose the AP.

Menu Features (Continued)

SSID accept screen



Available network resources are identified by their SSID. Rotate the volume knob to Accept or Cancel the AP SSID selection

Password screen

Rotate the volume knob to find each character. Press the menu select button to select the character. Double-press the menu select button to backup one character. Once the last character is entered long press the menu select button to save the password. The Strata will connect to your AP.

The characters are arranged by capital letters, lower case letters number 1-9, then 0. The character after the 0 is a space character. The remaining characters are special characters (!, @, #, etc...).

It may be faster to find the number characters by going backwards from the A.

Specifications

Stellar Strata Amplifier

Specifications

Stellar Strata Amplifier

General

Color Options	Black Silver		
Voltage Options	Japan	100V	(+/-10%)
	North America	120V	(+/-10%)
	Europe/Asia	230V	(+/-10%)
Mains Power Input		IEC C14	
Fuses		T250V-250mAH (1/4A Slow Blow)	
Accessories Included		Remote Control	
	Line cord(s)	US (NEMA 5-15P) (all versions) Schuko (CEE7/7) (230V version) UK (BS1363) (230V version) Australia (230V version)	
Analog Audio Inputs	RCA	3 stereo pairs	
	XLR	1 stereo pair	
Digital Audio Inputs			
	I2S	1	PCM (384KHz max)
DSD64, DSD128			
	Coax	2	PCM (192KHz max)
	Optical	1	PCM (96KHz max)
	USB	1	PCM (384KHz max)
DSD64, DSD128 (native)			
DSD64, DSD128 (DoP)			
	Ethernet	1	Wired, 10/100MBPS
		1	Wi-Fi, 2.4GHz 802.11b/g/n
Audio Outputs	RCA (Unbalanced)	1 stereo pair	
	Headphones	1	¼" stereo
	Speakers		Binding posts
Other	Trigger Out	2	3.5mm, 5-15VDC
	USB A	For firmware update	

Specifications

Stellar Strata Amplifier

Mechanical

Width	17.0″
Height	2.8″ (not including feet)
Depth	12.0″ (chassis only) 13.5″ (including connectors and knobs)
Weight	21lbs
Shipping Width	22″
Shipping Height	8″
Shipping Depth	17″
Shipping Weight	25lbs

Environmental

Location	Indoor use only
Storage Temperature	-30 to 70C
Operating Temperature	0 to 45C

Features

Input Selection	9 total, 3 analog, 6 digital
Volume Control	0-100 (80dB total range)
Balance Control	12dB each direction in 1/4dB steps
Fixed volume mode	(Analog 3) Adjustable (in setup) to any level
Phase control	Digital sources only
Filter Control	3 selectable digital filters (PCM digital sources only)
Input Trim	Gain adjustable per input +/-10dB
Headphone Trim	Gain adjustable +/-10dB relative to speaker level

PS AUDIO

Specifications

Stellar Strata Amplifier

Performance

Unless otherwise noted, all measurements are specified under the following conditions:

- Mains voltage 120VAC
- Balanced analog input
- Both channels operating
- Volume set to 76 (unity gain)
- 2.8VRMS output, 4Ω load.

Analog Inputs

Input Separation		>85dB
Input Impedance	Unbalanced	47KΩ
	Balanced	100KΩ
Maximum Input Level		>16 VRMS

Analog Output

Output Impedance	Line Out	100Ω
Gain	Volume = 100	6dB +/-0.5dB

Main (Speaker) Output

Gain (relative to line output)		30.5dB
Output Power	8Ω, 1KHz, 1%	120W typical, 100W minimum
Output Power	4Ω, 1KHz, 1%	150W typical
Output Power	4Ω (one channel)	200W minimum
Frequency Response	+/-1dB	20Hz – 20KHz
	-3dB	7Hz – 40KHz
THD+N	1KHz, 10W/4Ω	0.02%
IMD	18/19KHz	-65dB
Speaker Impedance		4Ω minimum
Output Impedance	50Hz	150 mΩ typical
Damping Factor	50Hz, 4Ω	29
Sensitivity	@76	1.6VRMS
	@100	400m VRMS
Channel Separation	1KHz	>90dB

Specifications

Stellar Strata Amplifier

Headphone Output

Gain (relative to line output)	16.5dB	
Output Power	300Ω, 1KHz, 1%	300mW
	16Ω, 1KHz, 1%	3.25W
Frequency Response	+/-1dB 7Hz – 40KHz	
THD 1KHz, 1 VRMS	300Ω	<0.02%
	16Ω	<0.02%
S/N Ratio	1KHz	>110dB (max output)
Output Noise	<-90dBV	
Headphone Impedance	8Ω minimum	
Output Impedance	<4 Ω	

Power

Input Voltage	US	108—132VAC (120VAC nominal)
	EX/GR/UK/AU	207—253VAC (230VAC nominal)
	JP	90—110VAC (100VAC nominal)
Power Consumption	Idle	20W
	Typical	50W
	Maximum	600W

Warranty Information

Stellar Strata Amplifier

Registering Your Product

By registering your product, you are validating the start date of your limited warranty. This limited warranty is in effect for 3 years from the date the unit was first purchased from PS Audio or its dealers and agents. If you do not register your product within 30 days of service, a copy of your purchase receipt from an authorized PS Audio dealer may be used as proof of purchase to establish the warranty start date. If no proof of purchase from an authorized PS Audio dealer or registration is provided, the production date of the product will be used to determine the warranty start date. You can register your product online, by phone, by mail, or by email.

What This Warranty Covers

This warranty covers defects in material and workmanship for products purchased from PS Audio or its authorized dealers and agents. In the event your product fails, your sole remedy under this limited warranty shall be to return the product to PS Audio or an authorized PS Audio repair center. At the option of PS Audio, the product will be repaired without charge for parts or labor, replaced, or the purchase price refunded through the original point of purchase.

Shipping

You are responsible to pay for the safe and proper shipment of the warrantied product to PS Audio or its authorized repair center. Under this limited warranty, PS Audio or its authorized repair center will pay the cost of returning the repaired or replacement product to you.

What This Warranty Does Not Cover

This warranty does not cover damage due to:

- Accidents, carelessness, improper transportation, misuse, neglect, or abuse
- Failure to follow the operating instructions that are provided by PS Audio in the Owner's Reference Manual (available for download at www.psaudio.com)
- Use in any manner inconsistent with PS Audio's operating instructions (available for download at www.psaudio.com)
- Lack of routine maintenance
- Connection to an improper voltage supply
- Alterations or modifications to the unit
- Improper or unauthorized repair, including repairs not authorized by PS Audio or a PS Audio authorized repair center
- Fire, lightning, flood, "Acts of God," or other contingencies beyond the control of PS Audio
- Products purchased through an unauthorized source (if you have questions as to whether or not a dealer is authorized, please contact customer support at www.psaudio.com
- Products with a factory-applied serial number that has in any way been altered, defaced, or removed

Warranty Information

Stellar Strata Amplifier

Limitations Under This Warranty

In no event will PS Audio's liability to you exceed the original purchase price of your unit. This warranty does not cover the cost of custom installation, customer instruction, setup adjustments, or signal reception problems. Consequential and incidental damages are not covered under this warranty. However, some states do not allow the exclusion or limitation of incidental or consequential damages, so this limitation or exclusion may not apply to you. In the event that your warrantied product cannot be repaired, PS Audio will either replace or refund the cost of the unit. We reserve the right to replace any out-of-stock, discontinued, or limited edition products with a comparable product. Discontinued products may not be available for warranty replacement.

Warranty Transfer

This warranty is for the benefit of the original purchaser of the product. The warranty may be transferred to a subsequent purchaser during the three year warranty period. To do this, you must contact PS Audio directly to set up a transfer of warranty registration.

Service Information

Stellar Strata Amplifier

Warranty Service Within North America

Please contact PS Audio customer support for service assistance, help with locating an authorized PS Audio repair center, help with the operation of a product, or for more information.

Obtaining An RMA Number

In order to receive warranty service, you must first obtain a Return Merchandise Authorization Number (RMA#) prior to returning any item. Please contact PS Audio or an authorized PS Audio repair center to receive an RMA Number. The RMA Number must be on all returned items. If it is not clearly marked, PS Audio will return the package back to you, freight collect.

Packaging and Shipping

Original packaging should be used for the safe transit of your PS Audio unit to the repair center. If you do not have the original packaging, PS Audio can sell and ship replacement packaging to you. You are responsible for the cost of shipping the product to a PS Audio authorized repair center. You should insure the product for its full retail cost, in the event it gets lost or damaged in transit. PS Audio is not responsible for damage incurred during the transit of products sent to us. Shipping your product in non-PS Audio packaging may void this warranty. PS Audio reserves the right to charge you for new factory packaging to return your product after a repair.

State Law

This warranty gives you specific legal rights. You may also have other rights, which vary from state to state.

International Warranty Service

PS Audio has authorized distribution in many countries of the world. In each country, the authorized importing distributor has accepted the responsibility for warranty of the products sold by that distributor. Warranty service should be obtained where the product was purchased.

Changes to Our Products

PS Audio reserves the right to modify the design of any product without obligation to purchasers of previously manufactured products, and to change the prices or specifications of any products without notice or obligation to any person.

Your Product

Stellar Strata Amplifier

Your Serial Number

Your Purchase Information

Date of Purchase

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