EMOTIVA®

Display: **PHONO**

PT-100

BAS**X**

BAS**X** PT-100

Stereo Preamp/DAC/Tuner

User Manual

Important Safety Precautions and Explanation of Symbols

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important installation, operation, and service instructions in this manual.

The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltages within the enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to the user.

Please read this manual thoroughly before attempting to install, configure, or operate the BASX PT-100 Stereo Preamp / DAC / Tuner. After successful installation and configuration of the PT-100, be sure to retain this manual in a safe place for future reference.

Safety is a key component to a long lasting and trouble free installation. Please read and follow all instructions and heed all warnings on the PT-100 and in this manual. The vast majority of the subsequent safety precautions are common sense. If you are not comfortable with the installation of audio/video entertainment equipment, you should seek the services of a qualified installation professional or call us for help.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT USE THE PT-100 NEAR WATER OR IN WET LOCATIONS, DO NOT EXPOSE IT TO RAIN OR MOISTURE, DO NOT EXPOSE IT TO DRIPPING OR SPLASHING FROM OTHER SOURCES, AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS (SUCH AS VASES) ARE PLACED ON IT. DOING SO MAY RESULT IN DAMAGE TO THE UNIT AND THE RISK OF ELECTRIC SHOCK, WHICH MAY RESULT IN BODILY INJURY OR DEATH.

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER FROM THE PT-100. THERE ARE NO USER-SERVICEABLE PARTS INSIDE THE UNIT. REFER ALL SERVICE TO QUALIFIED SERVICE PERSONNEL.

Do not install the PT-100 near or above any heat sources such as radiators, heating vents, or other apparatus' that produce heat. Do not block any ventilation openings or heat sinks. Avoid installing the unit directly above other heat-producing equipment unless sufficient ventilation or forced-air cooling is provided.

Do not install the PT-100 in locations without proper ventilation. The PT-100 should not be operated on a bed, sofa, rug, or similar surface that may block vents. The unit should not be installed in an enclosed location such as a bookcase, cabinet, or closed equipment rack unless sufficient forced-air ventilation is provided.

Always install your PT-100 according to the manufacturer's instructions and only use attachments or accessories specified by the manufacturer.

Do not install the PT-100 on any stand, shelf, or other piece of furniture that is unable to support its weight. If a cart is used to move the unit, use caution to avoid injury from tip-over.

Connect the PT-100 only to power sources of the correct voltage (as shown in this manual and on the PT-100 unit).

Protect power supply cables from being pinched, walked on, or otherwise damaged. Be especially careful where the power cable enters the power outlet and the unit.

Only connect the PT-100 to an electrical outlet or extension cord of appropriate type and rating.

DO NOT defeat the safety purpose of a grounding or polarized plug by removing ground pins or using unsafe adapters. A polarized plug has two blades - one wider than the other. A grounding plug has a third ground prong in addition to the two main conductors. The wide blade or third groundling prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician to replace your obsolete outlet. If you replace the power cord, only use one of similar type and equal or greater current rating.

The power cable for the PT-100 should be unplugged from the outlet during severe electrical storms, or when unused for a long period of time.

Only replace the fuse(s) in the PT-100 with fuse(s) of proper value and voltage rating.

The PT-100 should only be cleaned as directed in the manual. Avoid spraying liquids directly onto the unit and NEVER spray liquids into the vents. Care should be taken so that small objects do not fall into the inside of the unit.
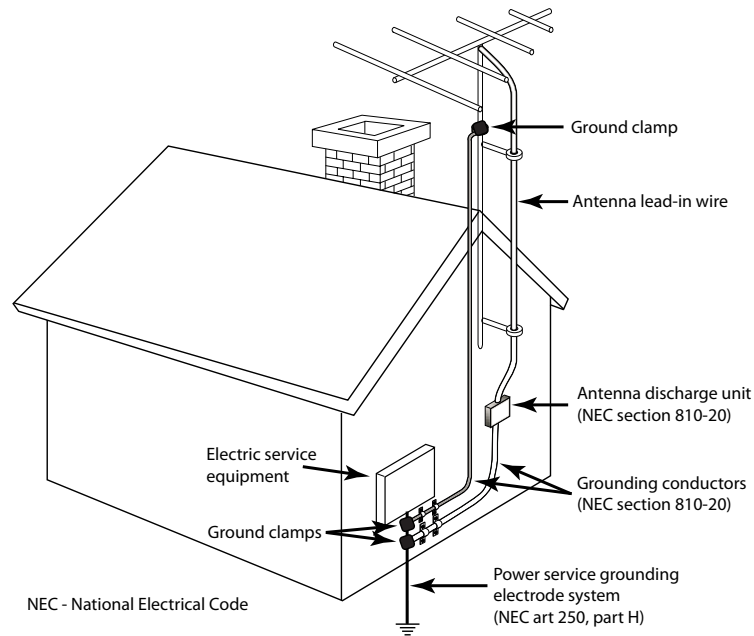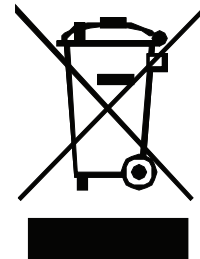
You should seek service for your PT-100 by qualified service personnel if any of the following occur:

1. The power-supply cord or the plug has been damaged.
2. Objects or liquid have fallen or spilled into the vents.
3. The unit has been exposed to rain.
4. The unit exhibits a marked change in performance.
5. The unit has been dropped, or its enclosure or chassis is damaged.

NOTE: TO COMPLETELY DISCONNECT THE PT-100 FROM THE AC POWER MAINS, DISCONNECT THE AC POWER CORD FROM THE AC RECEPTACLE.

NOTE: THE POWER CORD ON THE PT-100 MUST REMAIN READILY ACCESSIBLE AT ALL TIMES.

⚡ **CAUTION** ⚠

CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Ground clamp

Antenna lead-in wire

Antenna discharge unit (NEC section 810-20)

Electric service equipment

Grounding conductors (NEC section 810-20)

Ground clamps

Power service grounding electrode system (NEC art 250, part H)

NEC - National Electrical Code

EMOTIVA®

BasX PT-100 Stereo Preamp / DAC / Tuner

Contents

BasX PT-100 Stereo Preamp / DAC / Tuner

Introduction

Thank you for purchasing our new BasX PT-100 Stereo Preamp / DAC / Tuner.

Our BasX product line is dedicated to the philosophy that high-quality products that deliver true audiophile sound quality don't need to be expensive to buy or complicated to configure and enjoy. Every model in the BasX line offers all the essential features you need to maximize your listening enjoyment.

The BasX PT-100 is a high performance stereo preamplifier that includes an internal stereo FM tuner, inputs for two line level analog sources, a built-in DAC with plenty of digital inputs for all your digital audio sources, including a high-resolution asynchronous USB input, a phono preamp that supports both moving magnet and moving coil cartridges, and an input for an optional AptX Bluetooth module. The PT-100 can be operated via the simple front panel controls, or by the included infrared remote control. The intuitive menu system makes the
PT-100 simple to configure and operate, and the large bright blue VFD display on the front panel shows you exactly what's going on at all times.

Of course, like every product in the BasX series, the PT-100 includes one critical feature that you won't find in most other components in its price range: really great sound. The BasX PT-100 is a true audiophile component, designed and built by audiophiles to deliver the kind of really great sound quality that both audiophiles and ordinary folks expect in a high-end audio system.

Happy listening!

The Emotiva Team

About This Manual

This manual will provide you with the information you need to get started enjoying your BasX PT-100 Stereo Preamp / DAC / Tuner.

We suggest that you read through the entire manual; we kept things as short and direct as possible. Even if you're an expert user, you will probably find some interesting information and useful suggestions.

If you're really in a hurry to get started, please read the Quick Start section (on page 18); you may then read the remainder of the manual at your leisure.

You may wish to keep a copy of this manual with your records, and record serial numbers or other purchase information on the Notes page at the back.

BasX PT-100 Stereo Preamp / DAC / Tuner

Features

The BasX PT-100 is a high performance stereo preamplifier that includes an internal stereo FM tuner, inputs for two line level analog sources, a built-in DAC with plenty of digital inputs for all your digital audio sources, a phono preamp that supports both moving magnet and moving coil cartridges, and an input for an optional AptX Bluetooth module.

Features of the new BasX PT-100:

- **Highly optimized circuit layout** – ensures the best possible sound quality, with low distortion, wide bandwidth, and a virtually silent noise floor.
- **Sensitive FM tuner** – features 50 station presets and a Mono mode to help make even weak stations listenable.
- **A full complement of analog inputs** – including two line level inputs, and a high quality phono input that supports both moving coil and moving magnet cartridges.
- **A full complement of digital inputs** – including one 24/96k asynchronous USB input, 24/192 coax and optical S/PDIF inputs, and an optional Bluetooth receiver.
- **Precision digital conversion** – All digital inputs are routed through the legendary Analog Devices AD1955 24/192 DAC.
- **Bass and Treble controls** – provide a familiar way to adjust your system to sound just the way you like it.
- **VFD display** – large, easy to read, blue VFD display with user-configurable brightness.
- **Balance control** – our unique balance control simultaneously adjusts the levels of both channels so the overall sound level in your room remains constant.
- **Mute control** – allows you to mute the audio output on your system, and then return precisely to your previous listening level.
- **Intelligent headphone level control** – independently remembers the level you set for your headphones and your main outputs.
- **Full function remote control** – lets you operate all the controls on the PT-100 without getting out of your favorite listening seat.
- **Headphone output** – independent, high current, direct coupled headphone amplifier provides a high quality signal to drive your favorite headphones for personal listening.
- **Subwoofer outputs** – besides the main stereo outputs, a separate pair of summed outputs are provided for connecting your favorite subwoofer.

- **Flexible menu system** – makes the BasX PT-100 easy to configure and simple to operate.
- **Top quality parts and construction** - promise years of reliable service.
- **Double sided FR4 circuit boards with plated-through holes** – SMD construction enables us to use short, optimized signal paths and minimizes the need for point-to-point wiring.
- **Heavy steel 2RU chassis with milled aluminum face plate** - provide strength and rugged good looks.
- **Universal AC line voltage operation** - the BasX PT-100 is designed to operate on either 115 VAC or 230 VAC at 50/60 Hz, and automatically detect and configure itself to operate with your local line voltage.
- **Full three year warranty** - ensures that you'll be able to enjoy your BasX preamp/tuner for years to come.

You can find more information about the entire BasX line of products on our website at www.emotiva.com.

Unpacking

Your BasX Preamp / DAC / Tuner was carefully packed and should reach you in perfect condition. If you notice any shipping damage or other issues when you unpack it, please contact Emotiva immediately.
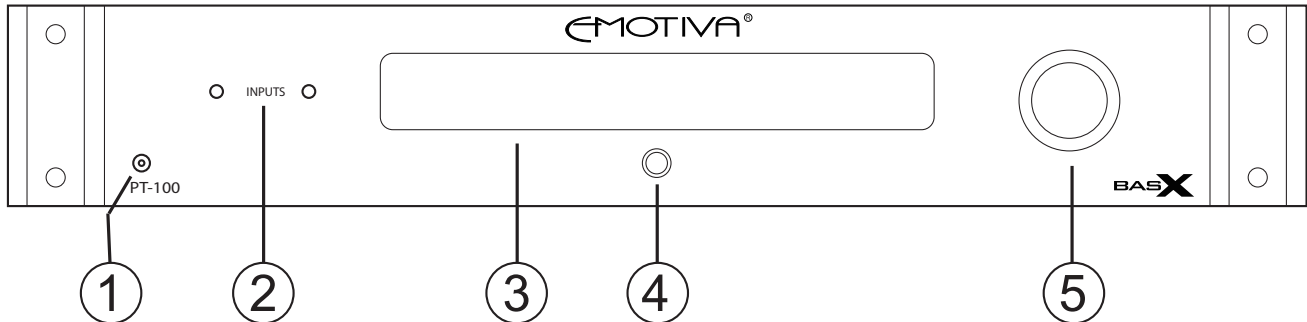
Gently remove your PT-100 from the packing carton and remove all wrappings and shipping material.

It is important to save the box and all packing materials in case your PT-100 ever needs to be moved or shipped back to the factory for service.

We truly value customer feedback and would like to hear from you.

BasX PT-100 Front Panel

1. Headphone Jack

Use this jack to connect a pair of high-quality headphones.

Note: The Main Outputs are muted when headphones are inserted.

Note: The intelligent level control on the PT-100 independently stores and remembers the levels for your Main Outputs and your Headphones. When you unplug your headphones, your speakers will return to their previous level.

2. Input Buttons

In normal operation, these buttons are used to select which Input to listen to. (They perform different functions when you're in the Setup Menu; see the Setup Menu section for details.)

3. Front Panel VFD Display

The large, bright, easy to read VFD display keeps you continually informed about the status of your PT-100. The brightness of the front panel display can be configured in the Setup Menu.

4. Power / Standby Button

This button is used to toggle the PT-100 between Standby and On modes. The halo ring around the button will be illuminated amber when the PT-100 is in Standby mode, and blue when the PT-100 is On.
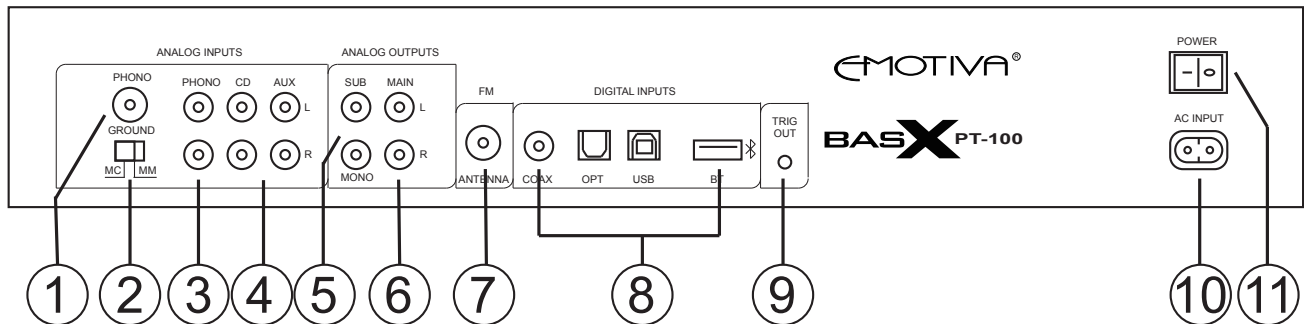
Note: The PT-100 will only operate when the AC Power Switch on the rear panel is On. When the AC Power Switch is turned On, the halo will illuminate amber; at which point pressing the Standby button will turn the PT-100 On.

5. Volume Knob

In normal operation, this knob is used to control the Volume on the PT-100. (It performs slightly different functions when you're in the Setup Menu; see the Setup Menu section for details.)

BasX PT-100 Rear Panel

1. Phono Input Ground Lug

Connect the ground lead from your turntable to this lug to avoid or eliminate hum problems.

Note: Some turntables may not provide a separate ground lead. You may also find that, even on some turntables that provide a ground lead, you get less hum when it is disconnected.

2. Phono Input Gain Selector

Use this switch to set the gain of the phono input on the PT-100 to match the output of your cartridge. Normally this switch should be set to MM for a moving magnet cartridge, and to MC for a moving coil cartridge.

Note: The manufacturers of some phono cartridges may instruct you to set the gain switch to MM for a "high output moving coil cartridge"; always follow manufacturer's recommendations.

3. Phono Input

Use this input to connect the output from your turntable.

Note: This input is intended to accept the low-level output from a moving magnet or moving coil phono cartridge, and includes RIAA phono equalization. DO NOT connect a line level source to this input or the sound will be distorted and you may damage your PT-100. If your turntable has a built-in phono preamp, and provides a line level output, then you should connect it to one of the line level inputs on the PT-100 (CD or Aux).

4. Line Level Unbalanced Stereo Inputs

The CD and Aux inputs are unbalanced line level inputs, and may be used to connect a stereo line level signal from any analog stereo audio source. The CD and Aux inputs are similar, and either may be used to connect any component that delivers a standard line level audio signal.

5. Subwoofer Outputs

These outputs are provided to allow you to connect one or two powered subwoofers to your BasX PT-100. Both of these outputs deliver the same line level signal, which is the sum of the two audio channels on the PT-100 (monaural summed signal). This signal is full range, and is intended to be used with one or two subwoofers which include their own low pass filters and level controls. This signal could also be used to feed a separate center-channel speaker.

Note: The PT-100 doesn't include internal bass management filters. The signal coming from the Subwoofer Outputs is a summed, monaural, full range signal. You are expected to use the level and filter controls on your subwoofer(s) to match the levels of your sub(s) to the levels of your main speakers, and to apply low-pass filtering to prevent the range of frequencies produced by your subwoofers from overlapping those produced by your main speakers. Most modern subwoofers include these controls; refer to your subwoofer's instructions for more details.

6. Main Outputs

These outputs are the main stereo outputs on your PT-100. They should be connected to the unbalanced input on your power amplifier. These outputs provide a standard level signal which is compatible with virtually all audio power amplifiers (or a line level input on a preamp or integrated amplifier).

7. FM Antenna Input

Connect an FM Antenna to this input to allow the FM tuner to receive FM radio stations. The included FM antenna will provide reasonable reception in strong signal areas.

Note: Connecting an external FM antenna to your PT-100 will usually allow you to receive more FM stations, and improve the signal strength on weak stations. You will also find that changing the position and orientation of the antenna will often have significant effect on how many distant stations you receive, and on the strength and signal quality of even local stations.

8. Digital Audio Inputs

The PT-100 provides several different digital audio inputs to accommodate a variety of digital audio sources.

- The Coax input accepts PCM electrical S/PDIF digital audio signals up to 24/192k. This input is often used to connect the digital audio output from a CD player or Blu-Ray disc player.

- The Optical input accepts PCM optical S/PDIF digital audio signals - often referred to as Toslink - up to 24/192k. This input is used to connect the Toslink output from a TV, disc player, or media player.

- The asynchronous USB input accepts digital audio from a computer or other digital audio source that supports USB. It supports standard PCM digital audio up to 24/96k.

Note: When the USB input on the PT-100 is connected to a computer or other equivalent device, it will be seen as "an external USB sound card". Both Apple computers and computers running Microsoft Windows support USB audio internally; so both should allow you to play USB audio up to 24/96k WITHOUT installing any extra drivers. Some other devices, including most Linux computers, some media players, and some smart phones, may also support USB audio, but you'll have to check with the manufacturer of each individual device to find out for sure, and to get details about how to hook up and configure it.

(The USB input on the PT-100 supports "USB Audio Class 1".)

Note: The digital inputs on the BasX PT-100 accept STEREO digital audio signals. They do not accept digitally encoded surround sound like DTS or Dolby Digital. Some digital sources may need to be specifically configured to output a STEREO signal.

9. Trigger Output

A 12 VDC signal is sent from the Trigger Output of the PT-100 to turn on other devices when the PT-100 is turned on. This signal can be used to turn on other trigger-enabled audio equipment - such as a power amplifier.

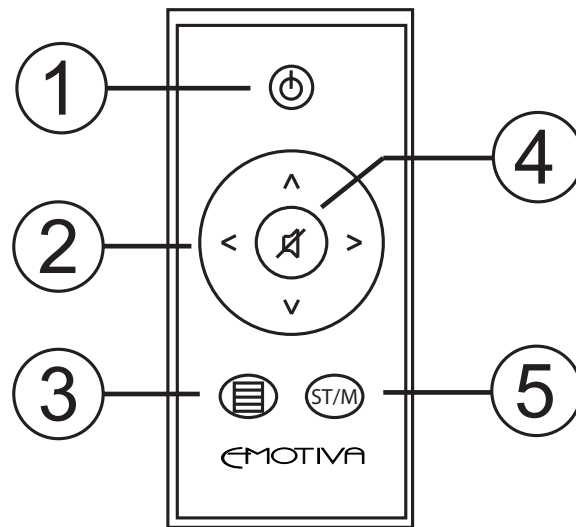## 10. Power Cord Receptacle

Use this receptacle to attach the included power cable for the PT-100.

11. AC Power Switch

Switches the main AC power to the PT-100 On and Off. When this switch is Off, no controls operate (the PT-100 power amp cannot be turned On from the front panel or remote control).

BasX PT-100 Remote Control

1. Power Button

This button is used to toggle the PT-100 between Standby and On modes.

Note: The Remote Control will only operate when the AC Power Switch on the rear panel of the PT-100 is On.

2. Navigation Ring / Buttons

In normal operation, pressing the Left and Right arrows will switch Inputs on the PT-100, and the Up and Down arrows will raise and lower the Volume. When the Setup Menu is engaged, the arrows are used for menu navigation.

3. Menu Button

This button toggles the Setup Menu on and off.

4. Mute Button

Press this button to mute the audio output on the PT-100; press it again to return the audio to its previous level.
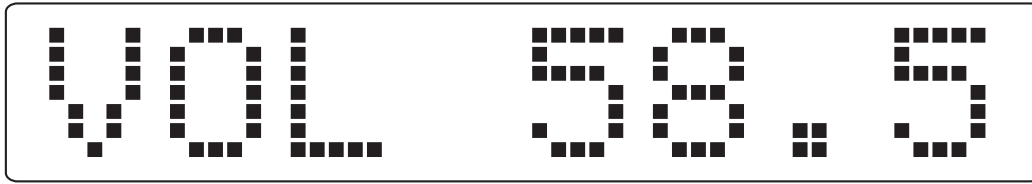
4. Stereo / Mono Button

Pressing this button when you're using the Tuner on the PT-100 switches between FM Stereo and FM Mono. (Stations that are noisy or weak in Stereo often sound better when listened to in Mono.)

Note: The Stereo/Mono button ONLY affects the FM Tuner; it will NOT convert stereo audio signals from other inputs to monaural.

BasX PT-100 VFD Display And Menu System

The BasX PT-100 has a large, bright, easy to read VFD (vacuum fluorescent display) which keeps you informed of the current status at all times.

In normal operation, this display shows the currently selected Input.

When you change the Volume setting on the PT-100, the display switches to display the Volume setting for several seconds, then returns to showing the currently selected Input. The display also sometimes momentarily displays other useful information - like the sample rate of the signal coming into a digital input when you select it.

When the PT-100 is turned on, it always returns to same Input and Volume setting as when it was turned off. If you turn the PT-100 off while it's in the Setup Menu, when you turn it on it will start up in normal operating mode.

When you turn the PT-100 on, the display will show a welcome message, then the name of the Input that's selected, and then the Volume setting that was current when the unit was turned off. The Volume setting will then return to zero and ramp up to the previous Volume setting. You can interrupt the Volume ramp-up at the current setting by turning the Volume knob or pressing the Up or Down button on the remote control.

The BasX PT-100 also has a Setup Menu. The Setup Menu is used to configure various system options, like the brightness of the display, to configure and access the Tuner Presets, and to adjust the Trims (Bass, Treble, and Balance). The Setup Menu is accessed by pressing the Volume knob on the PT-100's front panel, or by pressing the Menu Button on the remote control.

When the Setup Menu is engaged, the Volume knob and Input Buttons are used to navigate the various menu functions. The PT-100 will automatically exit the Setup Menu after several seconds of inactivity. You can also exit the Setup Menu by pressing the Volume knob or the Menu button again, or by pressing the Left Input Button several times.

Note: The remote control used by the PT-100 is compatible with the remote control used by the BasX TA-100, and by our flagship XMC-1 preamp / processor. Both the TA-100 and the PT-100 have the same control options. The PT-100 remote will only access some of the features on the XMC-1, and buttons on the XMC-1 remote that have no corresponding feature on the TA-100 will be ignored.

The Main Menu

Pressing the Volume knob or the Menu Button on the remote control will bring you to the Main Menu screen.

The Main Menu screen offers three options:

> Tuner
> Trims
> Setup

- Pressing the Left Button, or pressing the Menu Button or Volume knob will exit the Main Menu and return you to normal operation.
- Rotating the Volume knob will allow you to switch between available menu items.
- Pressing the Right Button will select the current menu choice.

Note: You will have slightly different menu choices depending on which Input was selected when you entered the menu. If the Tuner Input was selected, your options will be Tuner, Trims, and Setup (and Tuner will be the default); if ANY OTHER input was selected, only the Trims and Setup options will be offered (and Trims will be the default). If you want to configure your Tuner options, you MUST enter the menu while the Tuner Input is selected.

The Trims Menu

Note: Any changes you make to the settings of the Trims are automatically saved when you exit the Trims Sub-menu.

The Trims Sub-menu gives you access to the following controls:

> Bass
> Treble
> Balance

- Pressing the Left Button will exit the Trims Sub-menu and return you to the Main Menu.
- Rotating the Volume knob will allow you to switch between available menu items.
- Pressing the Right Button will select the current menu choice.
- Pressing the Menu Button or Volume knob will return you to normal operation.

After you have selected an item, the current setting for that item will be displayed.

- Rotating the Volume knob will change the value for the selected item.
- Pressing the Left Button will exit the individual item screen and return you to the Trims Sub-menu.

Example

To turn up the Bass to +2 dB:

Press the Menu button to enter the menu.
Rotate the Volume knob until Trims is displayed.
Press the Right Button to enter the Trims Sub-menu.
Rotate the Volume knob until Bass is displayed.
Press the Right Button to enter the Bass Trim Sub-menu.
Rotate the Volume knob until Bass +02 is displayed.
Press the Menu Button, or the Volume knob, or press the Left Button three times, to exit the Menu.

The Setup Menu

Note: Some of the options in the Setup Menu may operate differently than you expect, so we suggest you read the instructions for each before using it.

The Setup Sub-menu gives you access to the following controls:

> Dim
> Version
> Reset
> Autotune
> Tunezone

Rotate the Volume knob to switch between menu items.

Dim - Allows you to configure the brightness of the front panel VFD display.

Press the Right Button to see the current setting; use the Volume knob to change the setting; and use the Left Button to exit when you're done. The setting will automatically be saved.

Version - Displays the current firmware version of your PT-100.

Press the Left Button to exit when done; there are no other options.

Reset - Resets all settings and Tuner Presets on the PT-100 to their factory default settings.

After pressing the Right Button to select this option, you will be prompted to confirm your choice. Press the Right Button again to confirm your choice and clear all settings; press the Left Button to abort the process.

Autotune - Instructs the PT-100 to scan the FM radio band for stations, and load any stations it finds into the FM tuner station presets.

After pressing the Right Button to start the Autotune process, it will proceed and complete automatically.

Note: Using Autotune will ERASE your current FM Station Presets and replace them with the stations found by the signal scan.

Tunezone - Configures the FM de-emphasis in the PT-100 for the USA or European standard.

Pre-emphasis and de-emphasis are applied to the FM audio signal to reduce noise. There are two standards, and you will get the most accurate sound reproduction if you pick the correct one for your area. For the USA and Canada, select USA; the Europe setting is correct for most other areas... or just select the one that sounds the best to you.

The Tuner Menu

Note: The Tuner Menu can only be accessed by selecting the Setup Menu when the Tuner Input is selected on the PT-100.

The Tuner Sub-menu gives you access to the following commands:

> Preset
> Seek
> Frequency
> Mono/St
> Save

Rotate the Volume knob to switch between menu items.

Preset - Allows you to choose which Tuner Preset station to listen to.

Press the Right Button to see the currently selected Preset; use the Volume knob to change the setting; and use the Left Button to exit when you're done. The setting will automatically be saved.

Seek - Instructs the PT-100 to scan the FM band looking for the next strong station.

Press the Right Button to select the Seek function; then rotate the Volume knob to the left or right to tell the PT-100 whether to seek up or down from the current station. The Tuner will stop at the next strong station it detects.

Frequency - Allows you to manually tune your favorite FM station.

The Volume knob becomes your tuning knob while this function is engaged.

Mono/St - Instructs the PT-100 to play a weak FM station in monaural.

Because of the way FM broadcasts are encoded, stereo FM broadcasts often exhibit an unacceptably high amount of background noise if the signal is too weak. If this occurs, switching the decoder to monaural mode will often improve the signal quality significantly. This may enable you to receive more stations in "listenable quality".

Note: The Mono/St setting ONLY affects stereo FM broadcasts. It does NOT convert other types of stereo audio inputs on the PT-100 to monaural.

Save - Instructs the PT-100 to save an FM station preset.

See the following section for details about how to configure your FM station presets.

Configuring FM Station Presets

The following section describes how to configure the FM Station Presets on your PT-100.

We suggest you read the following instructions carefully before configuring the FM Station Presets on your PT-100 for the first time.

Note: Using the Autotune feature will ERASE all your current Station Presets and replace them with the stations discovered by the Autotune signal scan process.

Note: The Reset function will reset all configuration settings in the PT-100. This will erase your Station Presets.

The process of setting FM Station Presets on the PT-100 is relatively simple.
For each FM Station Preset you wish to set you will:

- Select the frequency of the station you wish to save.
- Instruct the PT-100 that you wish to save it.
- Set the Station Preset number where you want to save that station.
- Tell the PT-100 to go ahead and save the selected frequency to that Station Preset.

To configure an FM Station Preset:

- While the Tuner Input is selected, press the Menu Button or the Volume knob to enter the Setup Menu.
- Press the Right Arrow button to enter the Tuner Sub-menu.
- Rotate the Volume knob to Seek and press the Right Button (to find a station automatically) or Rotate the Volume knob to Frequency and press the Right Button (to manually tune a station)
- Find or manually enter the frequency of the station you want to save.
- Use the Left Button to return to the Tuner Sub-menu
- Use the Volume knob to move to the Save option
- Press the Right Button to select the Save option.

Note: The frequency you now see displayed is the one you just selected, but the Station Preset is the one that was selected when you entered the Menu. Therefore, you should ignore the Station Preset that is initially displayed and select the Station Preset number that you wish to use.

- Rotate the Volume knob to change the Station Preset number displayed to the one you want to use.
- Press the Right Button to save the displayed combination of Station Preset and frequency.

At this point you may exit the Setup menu, or you may use the Left Button to return to the Tuner Sub-menu and select another station to program.

BasX PT-100 Stereo Preamp / DAC / Tuner

Quick Start

To get the most from your BasX PT-100 we urge you to read the entire manual. If you just can't wait to listen to it, this section will cover the basics you need to get started.

- Find a secure location for your BasX PT-100.
- Connect your BasX PT-100 to a power amplifier and a set of speakers.
- Find some music you *really* like to listen to.
- Turn on the AC Power switch and turn up the volume a bit!
- Enjoy!

While you're enjoying your BasX PT-100, it would be a great time to read the rest of the manual to learn more about it.

BasX PT-100 Stereo Preamp / DAC / Tuner

Connections

Connecting a power amplifier to your PT-100

Because your PT-100 is a preamp, DAC, and tuner, you will probably be connecting it to a separate power amplifier. Connect the Left and Right Main Outputs on the PT-100 to the unbalanced inputs on your power amplifier using good quality audio interconnects.

Connecting line level analog input sources to your PT-100

Connect one or more stereo analog line level sources to the analog inputs on your PT-100 using good quality unbalanced audio interconnects.

Connecting a turntable to your PT-100

If you have a turntable with a direct output, then it should be connected to the Phono Input on the PT-100, and the Phono Input Gain Switch on the PT-100 should be set for the type of cartridge you have. If your turntable has a separate ground wire, connect it to the Phono Input Ground Lug on the PT-100.

Note: The manufacturers of some cartridges may specifically instruct you to use unusual settings; for example, some moving coil cartridges may specify that you use the "moving magnet" setting for proper output level. Always follow the manufacturer's recommendations.

Note: Some turntables have a built-in phono preamp and a line-level output. If so, then their line level output should be connected to a line level input on the PT-100.

Connecting digital audio sources to your PT-100

Connect your digital audio sources to the appropriate inputs on the PT-100.

Note: The digital inputs on the PT-100 are designed to accept STEREO digital audio signals, and will not work with encoded digital surround sound audio signals. Some of your source devices may require you to configure them to deliver a stereo signal.

Connecting a trigger-enabled device to your PT-100

If your amplifier has a trigger input, you can configure your amplifier to automatically turn on when you turn on your PT-100 by connecting a trigger cable between the Trigger Output of the PT-100 and the Trigger Input on your amplifier. (You may need to configure your amplifier to work with an external trigger.)

Line Voltage

The PT-100 can be powered by any receptacle that provides either 115 VAC or 230 VAC at 50/60 Hz. The PT-100 will automatically detect the correct line voltage, and the AC Power Voltage LEDs will indicate which line voltage the PT-100 has detected.

BasX PT-100 Stereo Preamp / DAC / Tuner

Care and Maintenance

Periodic Maintenance

Your BasX PT-100 requires no periodic maintenance or calibration.

Cleaning your PT-100

- If necessary, the PT-100 should be cleaned gently with a soft rag.
- If something sticky gets on the front panel or case of the PT-100, it should be cleaned with a mild cleaning solution applied to a soft rag, followed by wiping with a clean rag dampened with plain water and drying with a soft dry rag or cloth.

Note: DO NOT spray water or cleaning solution directly onto the PT-100 or into the vents.

Specifications

Analog Inputs

2 pairs – stereo analog line level inputs (CD, Aux).
1 pair – stereo phono inputs (switchable; moving magnet or moving coil).
1 tuner – FM (with external antenna input; 50 station presets).

Digital Inputs

1 – digital coax (S/PDIF); 24/192k.
1 – digital optical (Toslink); 24/192k.
1 – digital USB (DAC input); 24/96k; no drivers required.
1 – Bluetooth receiver (requires optional AptX Bluetooth dongle).

Outputs

1 pair – stereo main output; stereo, unbalanced.
2 – summed full range outputs (for connecting one or two subwoofers).
1 – stereo headphone output (front panel).

Analog Performance (line level)

Maximum output level: 4 VRMS.
Frequency response: 5 Hz to 50 kHz +/- 0.04 dB.
THD+noise: < 0.0015% (A-weighted).
IMD: < 0.004% (SMPTE).
S/N ratio: > 115 dB.
Crosstalk: < 90 dB.

Analog Performance (phono input)

Frequency response (MM and MC): 20 Hz to 20 kHz; ref standard RIAA curve.
THD+noise: < 0.015% (MM; A-weighted); < 0.06% (MC; A-weighted).
S/N ratio: > 90 dB (MM); > 68 dB (MC).

Digital Performance

Frequency response: 5 Hz to 20 kHz +/- 0.15 dB (44k sample rate).
Frequency response: 5 Hz to 80 kHz +/- 0.25 dB (192k sample rate).
THD+noise: < 0.003% (A-weighted; all sample rates).
IMD: < 0.007% (SMPTE).
S/N ratio: > 110 dB.

Trigger

12 VDC trigger output.

Power Requirements

115 VAC or 230 VAC @ 50 / 60 Hz (automatically detected).

Controls and Indicators

Power: rocker switch; rear panel.
Standby: one front panel push button; halo ring changes color to indicate status.
Two front panel push-buttons: Input Select; menu operation.
One front panel knob: Volume; Tuning; menu operation.
Display: high visibility blue alphanumeric VFD display (dimmable).

Remote Control

Compact full-function infrared remote control.

Menu and Control System

Simplified, highly intuitive menu system
(includes Setup options, Bass, Treble, and Balance controls).

Dimensions

17" wide x 2 5/8" high x 12.5" deep (without connectors).
21" long x 7" high x 17-1/2" deep (boxed).

Weight

9 lbs (net)
13.5 lbs (boxed)

Emotiva Audio Corporation Three-Year Limited Warranty

What does this warranty cover?

Emotiva Audio Corporation (Emotiva) warrants its products against defects in materials and workmanship. This warranty, and all rights provided hereunder, is limited to the original owner. In the event the original owner transfers ownership of the Product prior to the expiration of the applicable term described below, this Warranty shall terminate immediately upon such transfer of ownership.

This Warranty only applies to Products purchased directly from Emotiva or any of its Authorized Dealers or International Distributors.

Emotiva warrants any replacement product or part furnished hereunder against defects in materials and workmanship for the longer of the following: (i) the amount of time remaining under the original warranty, or (ii) 120 days from your receipt of the repaired or replaced product. The duration described in this paragraph is hereinafter referred to as the "Term".

TO THE FULLEST EXTENT PERMITTED BY LAW, ALL IMPLIED WARRANTIES RELATED TO THE ORIGINAL PRODUCT AND ANY REPLACEMENT PRODUCT OR PARTS (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE EXPRESSLY LIMITED TO THE TERM OF THIS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

The original owner must make a claim within the Term of the Warranty. A claim shall not be valid (and Emotiva has no obligation related to the claim) if it is not made within the Term and if it is not made in strict compliance with the requirements of the "How do you get service?" section.

How long does this coverage last?

This warranty commences on the date of retail purchase by the original retail purchaser and runs for a period of three years thereafter, with the exception of accessories, cables, and remote controls*. This warranty is non-transferable to any person that owns the warranted product during the Term. Emotiva warrants any replacement product or part furnished hereunder against defects in materials and workmanship for the longer of the following: (i) the amount of time remaining under the original warranty, or (ii) 120 days from your receipt of the repaired or replaced product. The duration described in this paragraph is hereinafter referred to as the "Term".

*Accessories, cables, and remote controls have a one-year warranty to the original owner.

What will Emotiva do?

Emotiva will, at its option, either: (i) repair the product, or (ii) replace the product with a new consumer product which is identical or reasonably equivalent (in Warrantor's sole discretion) to the product. In the event Warrantor, in its sole discretion, is unable to replace or repair the Product or it is not commercially practicable to do so, then: (i) if the claim was submitted during the first 365 days of the Term, Warrantor shall refund to you the purchase price that you paid for the Product; and (ii) if the claim was submitted after the first 365 days of the Term, Emotiva shall issue you a credit equal to the purchase price that you paid for the product. The credit may only be used for the purchase of merchandise from Emotiva, and cannot be used for freight charges.

When a Product or part is repaired or replaced, any replacement item becomes your property and the replaced item becomes Emotiva's property. When a refund or credit is given, the Product for which the refund or credit is provided must be returned to Emotiva and becomes Emotiva's property.

What is not covered by this warranty?

This warranty does not apply: (i) to damage caused by use with products not manufactured by Emotiva, where the non-Emotiva product is the cause of the damage; (ii) to damage caused by service or maintenance performed by anyone who is not a representative of Emotiva; (iii) to damage caused by accident, abuse, misuse, flood, fire, earthquake or other external causes; (iv) to a product or part that has been modified after its retail purchase, where the modification caused or contributed to the damage; (v) to consumable parts, such as batteries or failure of or damage to the Product caused by batteries; (vi) if any Emotiva serial number has been removed or defaced on the product; (vii) glass or plastic panels, cabinetry, trim or other appearance items; (viii) cosmetic wear or damage to remote controls by user.

EMOTIVA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR RELATED TO ANY DEFECTS IN OR DAMAGES TO ITS PRODUCTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

How do you get service?

In order to make a claim under the Warranty, you must:

1. Call or e-mail a customer service representative at 1-877-EMO-TECH (1-877-366-8324) or support@emotiva.com. You must provide a description of your problem, the serial number of the Product for which the warranty claim is being made, and the original purchase date.

2. Then, you will be provided with a warranty service authorization number ("WS").

3. Next, you must ship the Product to the following address, with the WS written in large, bold numbers on the outside of the box, and with the letters "WS" written before the number, for example: WS1234. Parcels arriving without a WS number on the outside of the box will be refused. The customer pays for the shipping to Warrantor. Warrantor pays for the shipping back to the customer within the continental United States only. Customer is responsible for shipping charges on all other warranty claims.

Emotiva Audio Corporation
Attn: Repair Department
139 Southeast Parkway Court
Franklin, TN 37064

Units will be refused by Emotiva for the following:

Product was sent without the WS#
Product was sent with inadequate packaging.
Product was damaged in transit.
Product was shipped collect for shipping charges.

How does state law apply?

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

What if my product is damaged on the way to you?

Emotiva is not liable for damages that may incur while an item is in transport to us. Please purchase insurance when you ship your item. If your Product was not adequately packaged, we will refuse receipt and the damaged package will be returned to you at your cost. If you do not have the original Emotiva Audio packaging, please check with our sales department to purchase replacement-shipping cartons.

How does the Warranty and service apply to international orders?

The Product Warranty is only valid in the country where the Emotiva product was originally shipped via an authorized dealer, distributor, or direct from the Emotiva factory. The Warranty is subject to change at any time depending on the laws and regulations within your specific country. Please check with your distributor for a complete understanding of the warranty in your county.

If you purchased your Emotiva Product outside of the USA and wish to have it serviced at the factory, all freight charges are <u>your responsibility</u>. If you do not have an authorized distributor or repair center in your country, your Product must come back to the Emotiva USA factory for warranty service.

BasX PT-100 Stereo Preamp / DAC / Tuner

Accessories

Speaker Cables and Interconnects

Using high-quality speaker cables and audio interconnects will ensure that you get the best sound quality and maximum reliability from your BasX PT-100 and the equipment connected to it. Emotiva Audio offers high-quality speaker cables and audio interconnects that feature solid engineering, premium build quality, excellent performance, and reasonable cost.
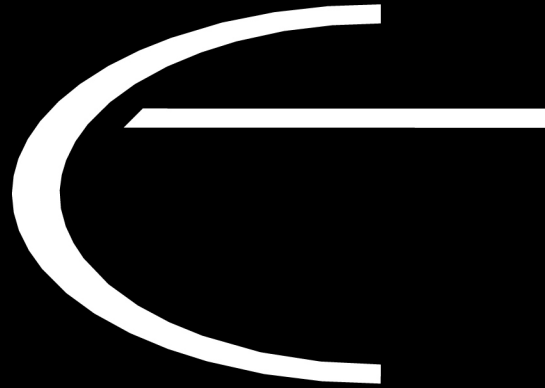
You will find both on our website at www.emotiva.com.

Notes

_____

_____

_____

_____

_____

All information contained in this manual is accurate to the best of our knowledge at the time of publication. In keeping with our policy of ongoing product improvement, we reserve the right to make changes to the design and features of our products without prior notice.

User Manual Revision 1.0   July 2016

Free Manuals Download Website

http://myh66.com

http://usermanuals.us

http://www.somanuals.com

http://www.4manuals.cc

http://www.manual-lib.com

http://www.404manual.com

http://www.luxmanual.com

http://aubethermostatmanual.com

Golf course search by state

http://golfingnear.com

Email search by domain

http://emailbydomain.com

Auto manuals search

http://auto.somanuals.com

TV manuals search

http://tv.somanuals.com