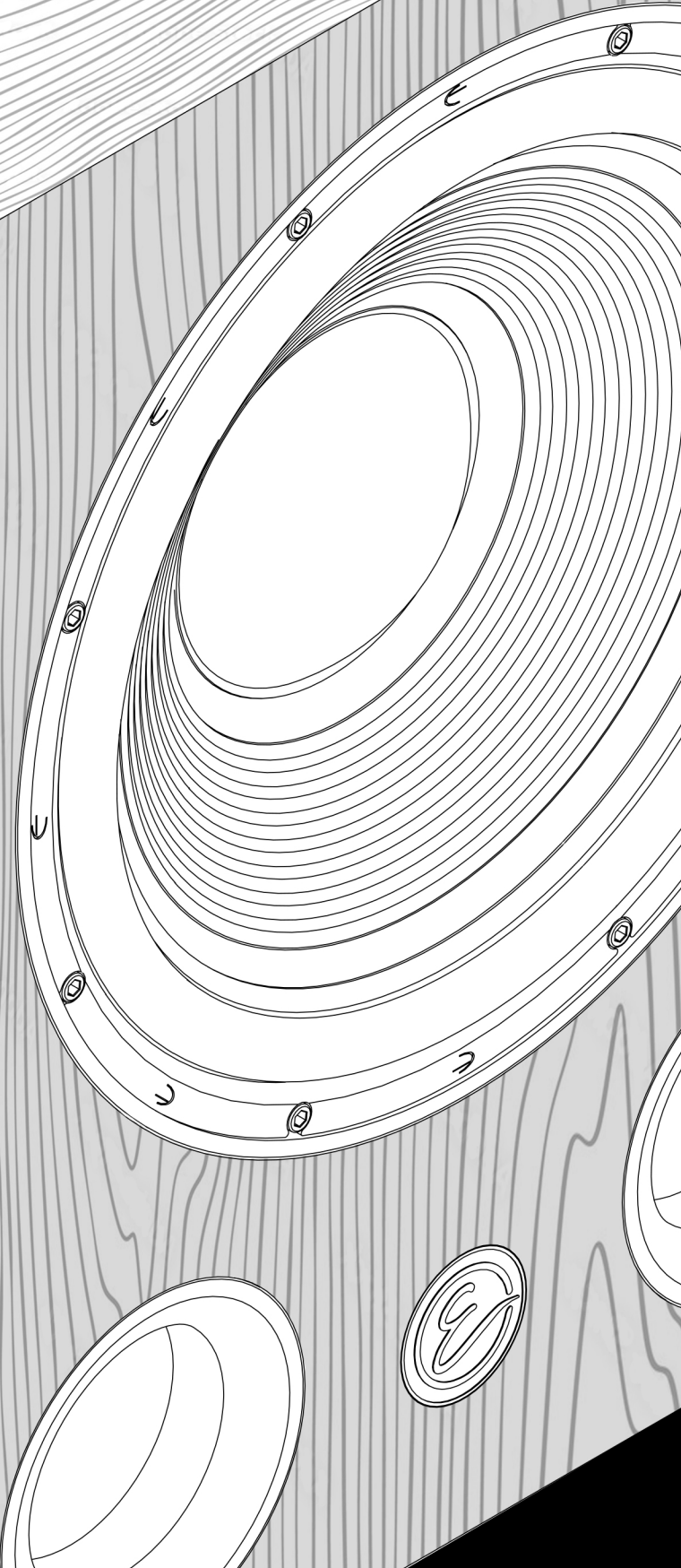


Emotiva®

Nostala

FT12

12" Subwoofer 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 Emotiva Nostala FT12. After successful installation and configuration of the subwoofer, 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 FT12 subwoofer 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 FT12 SUBWOOFER 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 AMPLIFIER PLATE OR DRIVERS FROM THE FT12 SUBWOOFER. THERE ARE NO USER-SERVICEABLE PARTS INSIDE THE UNIT. REFER ALL SERVICE TO QUALIFIED SERVICE PERSONNEL.

Do not install the FT12 subwoofer 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 FT12 subwoofer in locations without proper ventilation. The subwoofer should not be operated on a bed, sofa, rug, or similar surface that may block heat sinks. 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, and clearance should be maintained between the rear-mounted heat sinks and objects like drapes that may reduce ventilation.

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

Do not install the FT12 subwoofer 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 subwoofer only to power sources of the correct voltage (as shown in this manual and on the 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 subwoofer 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 grounding 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 FT12 subwoofer 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 subwoofer with fuse(s) of proper value and voltage rating.

The FT12 subwoofer should only be cleaned as directed in the manual. Avoid spraying liquids directly onto the unit or drivers.

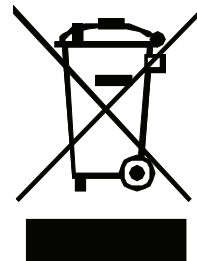


You should seek service for your subwoofer by qualified service personnel if any of the following occur:

1. The power-supply cord or the plug has been damaged.
2. Objects or liquid have fallen or spilled into the unit.
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 drivers are damaged.

NOTE: TO COMPLETELY DISCONNECT THE SUBWOOFER FROM THE AC POWER MAINS, DISCONNECT THE AC POWER CORD FROM THE AC RECEPTACLE.

NOTE: THE POWER CORD ON THE SUBWOOFER MUST REMAIN READILY ACCESSIBLE AT ALL TIMES.



FCC Interference Statement

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

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment to an outlet on a circuit different from that of the receiver.

Consult the manufacturer or an experienced radio/TV technician for help.

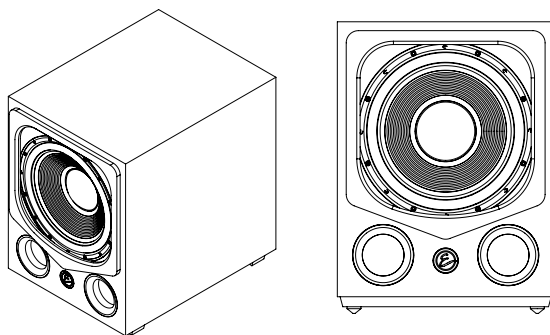
For questions regarding service, please contact:

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

1-615-790-6754
www.emotiva.com

Emotiva[®]

Nostala FT12



Nostala FT12 12” Subwoofer

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Introduction

Thank you for purchasing your new Emotiva Nostala FT12 subwoofer.

The FT12 is a modern reimagining of a classic ported subwoofer. It combines a vintage design aesthetic with modern materials, engineering, technology, and components, giving you the best of both worlds. And, of course, it's a perfect match for our other Nostala loudspeakers.

The FT12 sports the sort of looks and finish you would expect from a fine vintage loudspeaker. Every surface is covered with genuine hand-applied furniture grade walnut veneer. An integral stand with rubber feet ensures that the FT12 stays firmly in place while minimizing vibration. The fully finished front panel proudly displays a recessed cast metal emblem showing the iconic Emotiva logo. Even though we love looking at the front panel of the FT12, we've included two grills with each, one in beige and the other in neutral grey, both of which fasten precisely and firmly in place with powerful hidden magnets, to help ensure that the FT12 fits seamlessly into any room decor. And, of course, they coordinate with the grills that come with our other Nostala loudspeakers.

On the inside, the FT12 features an upgraded version of the sort of heavy duty 12" driver you might expect to find in a great sounding classic sub. This cast frame driver is securely mounted in a massive cabinet that is critically braced, and acoustically damped, to eliminate even the slightest trace of unwanted vibration, and tuned for optimum bass response and clarity via dual flared front ports. The FT12 is powered by a highly efficient, audiophile quality, 800 watt RMS Class-D amplifier module, for cool trouble free operation. The electronics package in the FT12 includes a 56-bit DSP-based Automatic Room Correction engine, which takes a series of measurements using the included precision calibrated microphone, and uses those measurements in conjunction with powerful multi-band processing, to deliver precise corrections. This enables the FT12 to deliver the optimum response in your listening room while carefully preserving even the finest inner details of your music.

The Nostala FT12 also offers plenty of input flexibility. The FT12 includes speaker level inputs, and both balanced and unbalanced line level inputs, and an internal precision active crossover that includes Level, Frequency and Phase adjustments.

Throughout the design, development, and manufacture of the Nostala FT12 we've gone out of the way to create an extremely high quality, authentic but upgraded and updated, interpretation of a classic vintage subwoofer.

We're really impressed, and we're sure you will be too...

Happy listening!
The Emotiva Team

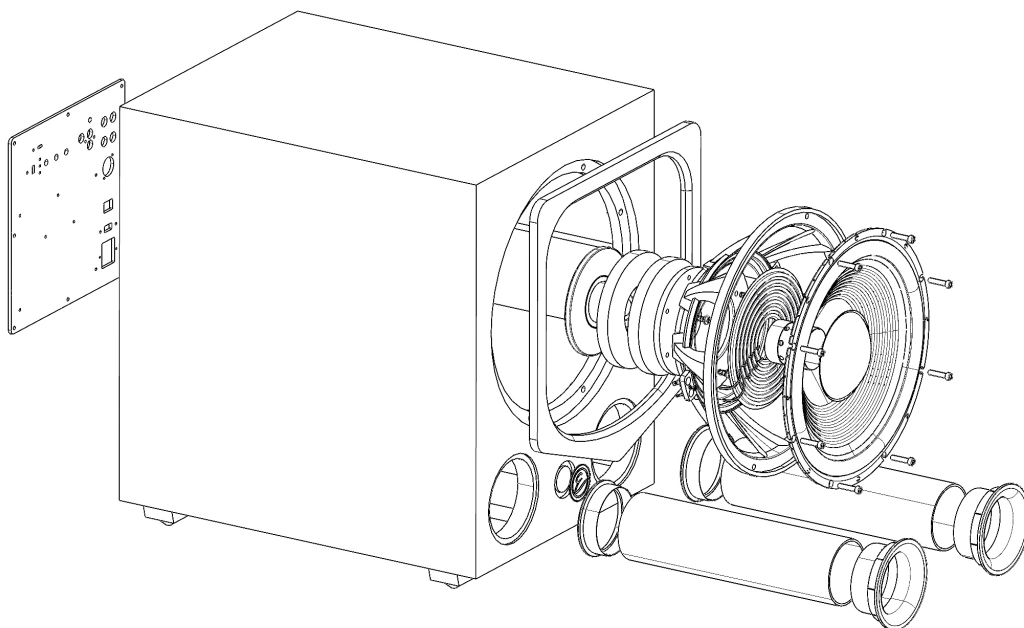
About This Manual

This manual will provide you with all the information you need to achieve great performance, accurate sound, and many years of reliable service from your new Emotiva Nostala FT12 subwoofer.

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 Connections section on page 8 and the Controls section on page 10; you may then read the remainder of the manual at your leisure.

You may wish to record serial numbers or other purchase information on the Notes page at the back of this manual.



Features

First and foremost, as with all Emotiva loudspeakers, the Nostala FT12 was designed to deliver superb sound quality for any audiophile stereo or home theater sound system. But, in addition to that, we set out from the start to deliver a meticulous reimagining of a really great *vintage* subwoofer. In furtherance of this lofty goal we included things like genuine furniture grade walnut veneer on the cabinet and grills that attach firmly using powerful hidden magnets. We also carefully chose a massive 12” pressed paper cone driver that delivers thunderous deep bass with the punch you expect from a truly musical subwoofer.

The following are a few of the feature highlights of the Emotiva Nostala FT12:

- **12” pressed paper cone driver** - with a die cast frame, NBR half-roll surround, 65.5 mm 4-layer CCAW voice coil on a fiberglass former, massive 156 mm x 40 mm magnet structure, and aluminum shorting ring to minimize distortion, which delivers an extremely clean powerful low bass response.
- **DSP-based Automatic Room Correction** - provided by a powerful 56-bit DSP audio processor, enables you to calibrate the FT12 to deliver accurate room response at the push of a button using the included precision calibrated microphone and built-in test signal generator.
- **Heavily braced, acoustically inert, HDF cabinet** - eliminates unwanted vibrations that might otherwise color the sound.
- **Double flared heavy-duty tuned ports** - optimize bass response and damping while preventing unwanted port noise.
- **Hand applied furniture grade walnut veneer** - on all surfaces, including the front and rear panels, ensures that your Nostala FT12 looks as good as it sounds.
- **Two removable grills** - The FT12 ships with two removable grills, one beige and one neutral grey, to ensure a perfect match with your decor.
- **Use them with or without the removable grilles** - the fully finished front panel on the FT12, with its elegant metal Emotiva logo, looks great with the grill off.
- **Both balanced and unbalanced line level inputs** - to connect the FT12 directly to the subwoofer output or outputs on a variety of preamps or processors.
- **Both speaker level and line level stereo inputs** - enable you to connect the FT12 to either the full range line level output, or the speaker outputs, of an amplifier or preamp that doesn't have its own built in bass management, and use the crossover controls in the FT12 to perfectly match it to your room and the rest of your system.
- **Vintage speaker aesthetic** - We've gone out of the way to ensure that the FT12 delivers the performance you would expect from a modern loudspeaker design, while still delivering the look, feel, and sonic signature, of a classic vintage loudspeaker.
- **Full Five / Ten Year warranty** - The speaker driver and cabinet on the Nostala FT12 are covered by a full ten year warranty, and the electronics are covered for a full five years, to ensure that you'll be able to enjoy your subwoofer for years to come.

You can find more information about the Emotiva Nostala FT12 subwoofer at: www.emotiva.com



Unpacking

Your Emotiva Nostala FT12 subwoofer 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 subwoofer from the packing cartons and remove all wrappings and shipping material. Avoid pressing directly on the front of the driver or dropping any bits of packing material into the port openings.

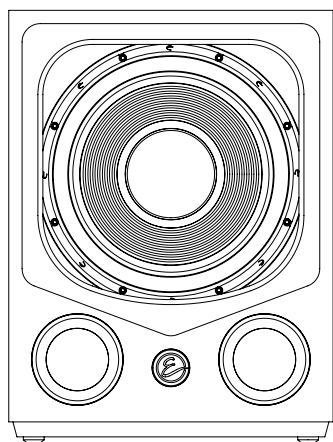
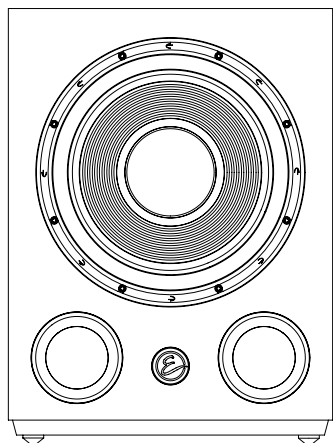
Be sure to locate all extra parts, such as the grills, which may be stored in spaces in the packing material.

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

Please keep your sales receipt in a safe place. It is the easiest way to verify your purchase date for warranty purposes, and may also be required if you ever have to file an insurance claim.

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

Specifications



The Emotiva Nostala FT12 is a thoroughly modern interpretation of a classic 12" ported subwoofer, with a massively powerful 12" driver, and a modern efficient Class-D amplifier. The Nostala FT12 combines the design aesthetic of fine furniture, the powerful deep bass of a modern sub, the flexibility of both line level and speaker level inputs, and the simplicity of powerful DSP-based Automatic Room Correction at the push of a button.

Driver Complement

12" high-excursion pressed paper cone woofer, with a die-cast aluminum frame, NBR surround, variable rate suspension, massive 156 x 40 mm magnet with aluminum shorting ring, and a 65.5 mm 4-layer CCAW voice coil on a fiberglass former.

Cabinet

Genuine walnut veneer (on all surfaces).

Cabinet tuning: Dual flared front ports.

Die-cast solid metal Emotiva logo badge.

Electronics

Amplifier: Efficient audiophile quality 800W RMS Class-D amplifier.

Inputs: Line level mono; balanced and unbalanced.

Line level left/right; unbalanced.

Speaker level left/right.

Frequency response: 25 Hz - 150 Hz +/- 3 dB.

Peak output (dB SPL; in room): 117.5 dB SPL at 40 Hz.

(Roll off slope optimized to utilize available room gain.)

Automatic Room Correction:

Internal 56-bit DSP-based; calibrated microphone included

Mechanical

Finish: Genuine walnut wood veneer (on all surfaces).

Dimensions (without feet): 19-1/2" h x 15-1/4" w x 20" d.

(add about 1" for permanently attached feet)

(add 1/2" for grill - if used)

Weight: 68 pounds.

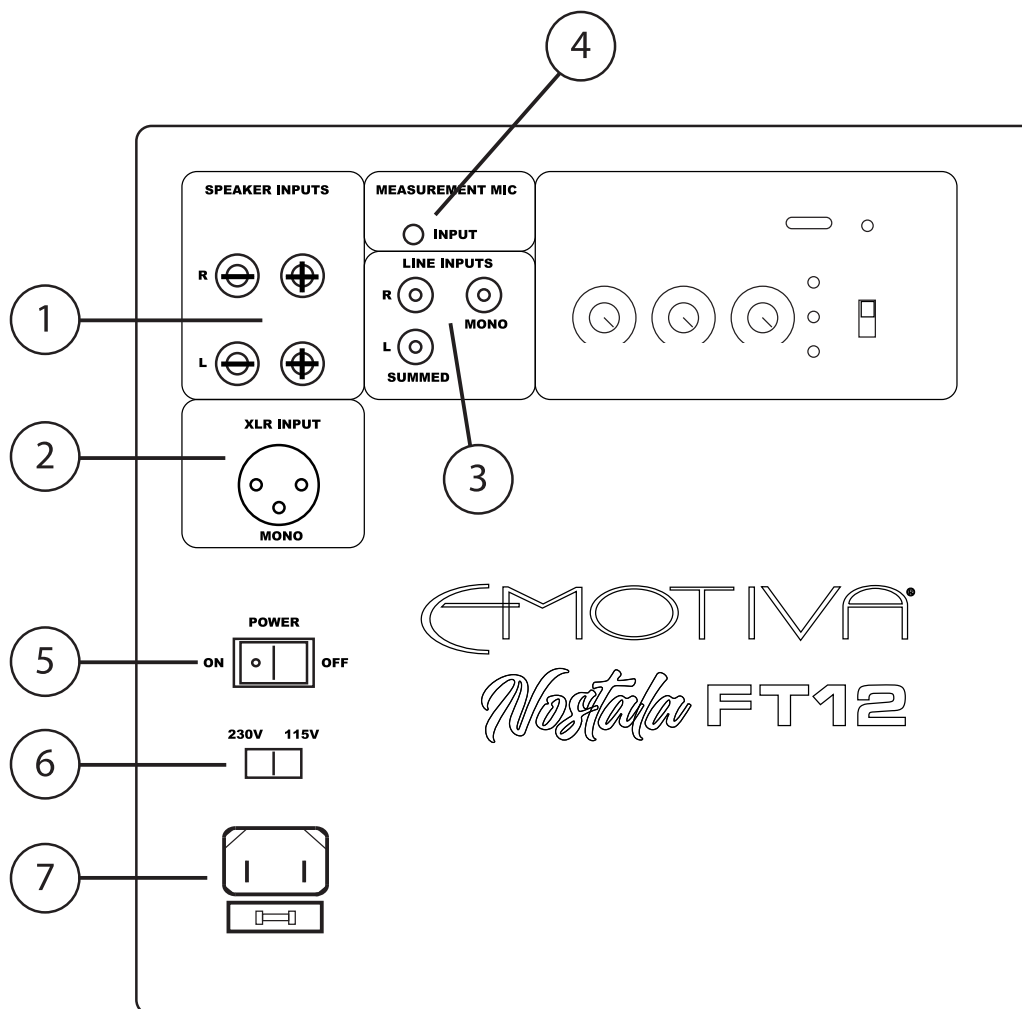
Mounting: Permanently attached wooden feet with rubber buttons.

Grilles: Fabric over MDF; attached via strong magnets.

(TWO grills included - beige and neutral grey fabric)

(fully finished front looks great without a grill)

Connections



1. Speaker Level Inputs

Use the Speaker Level Inputs to connect the FT12 to the speaker outputs on an amplifier or receiver. These inputs *can* safely be connected to the outputs on fully differential amplifiers.

2. Balanced (XLR) Line Level Mono Input

Use this input to connect the FT12 to the LFE or Subwoofer output on a receiver, processor, or preamp that has a balanced (XLR) Subwoofer output.

3. Unbalanced (RCA) Line Left / Right and Mono Inputs

Use the Unbalanced Mono Input to connect the FT12 to a single unbalanced (RCA) subwoofer or LFE output your source device. Use the Unbalanced Left / Right Summed Inputs to connect the FT12 to a set of stereo unbalanced (RCA) subwoofer or full range outputs on your source device.

NOTE:

The Nostala FT12 includes both DSP-based Active Room Correction, and a precision internal active low-pass crossover, which includes adjustments for Level, Frequency and Phase. ALL audio signals received by the FT12 are affected by both the Active Room Correction and the Crossover controls.

If your source device has a summed subwoofer output, connect it to the Balanced (XLR) Mono Input or Unbalanced (RCA) Mono Input on the FT12. If your source device has a stereo subwoofer output, or other line level stereo output, connect it to the Left / Right Line Level Inputs, which are summed at the input of the FT12. You can also connect a pair of speaker cables from the speaker outputs of your source amplifier directly to the Speaker Level Inputs on the FT12. The speaker level signal being sent to the input of the FT12 uses very little current so the thickness of these speaker cables is not as critical as that of your regular speaker cables.

See the following section for how to configure the controls on your FT12. If the source you're using is full range, you will use the Crossover Controls on the FT12 to match the output of the FT12 to your other speakers and room. If your source device has its own Bass Management or room correction, you will set the Frequency Control on the FT12 to its HIGHEST Frequency, and the other controls as indicated, and this matching will be handled by your source device.

4. Automatic Room Correction (ARC) Microphone Input

Use this input to connect the calibrated microphone that came with your FT12 when preparing to run an Automatic Room Calibration.

NOTE:

The Automatic Room Correction in the Nostala FT12 is designed to work with the calibrated microphone we provided with the FT12. **DO NOT** attempt to use any other microphone and **DO NOT** use the calibrated microphone that came with the FT12 with any other device.

5. AC Power Switch

Use this switch to turn the main AC Power to your subwoofer On and Off.
This switch must be turned On in order for the Auto-On feature to be enabled.

6. Line Voltage Selector

This switch is used to select the appropriate line voltage for your area.

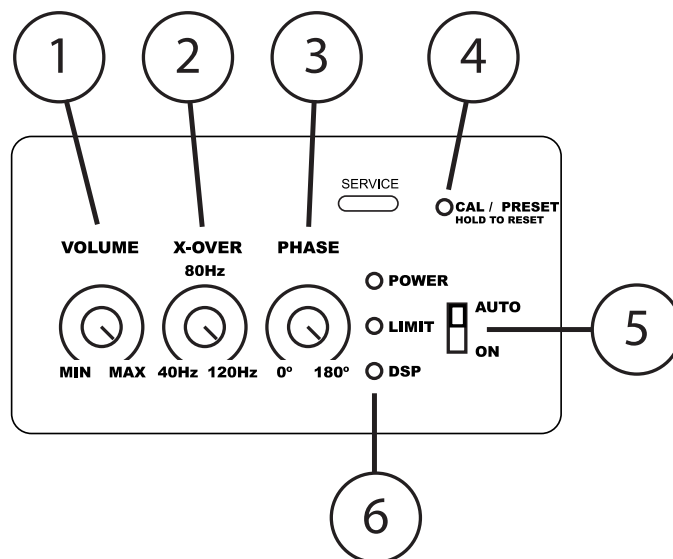
PLEASE VERIFY THAT THIS SWITCH IS SET CORRECTLY BEFORE POWERING YOUR FT12 ON FOR THE FIRST TIME.

7. IEC Power Cable Receptacle and Fuse Holder

The IEC Power Cable receptacle accepts any standard IEC power cable. A high quality commercial power cable is provided with your FT12. To change the fuse in your FT12, remove the power cable, then gently pry the fuse compartment open. The fuse holder opens like a drawer. Replace the fuse with one of the correct value, replace the fuse drawer, and reinsert the power cable.

(See Care and Maintenance section for replacement fuse values.)

Controls



NOTE:

THE ORDER IN WHICH YOU SET THE CONTROLS, USE THE AUTOMATIC ROOM CORRECTION ON THE FT12, AND THEN RUN ANY ROOM CORRECTION ON YOUR SOURCE DEVICE, WILL AFFECT THE RESULTS YOU ACHIEVE.

We suggest the following order for best results:

1. Set the Volume Control on the FT12 to the center mark.
2. Set the X-Over Frequency on the FT12 to its MAXIMUM setting (full right).
3. Set the Phase Control on the FT12 to Zero (0) Degrees (full left).
4. Run the Automatic Room Correction on the FT12.

NOW use the controls on the FT12 to match the FT12 to your main speakers and room.

OR set the Phase Control on the FT12 as suggested...

Then run the room correction on your processor or AVR according to its instructions.

1. Volume Control

This control sets the relative gain of your FT12. You can use this control to match the amount of bass delivered by your subwoofer to the output of your main speakers. If your system has Bass Management, or you're not sure, just start with this at its center position - with the index mark at the top. You may then adjust it later to fine tune the sound of your system.

2. X-Over (Crossover Frequency) Control

The Nostala FT12 includes a built-in active crossover. This control allows you to adjust the crossover frequency of the internal low pass filter for the best match with your main speakers. If you plan to use the Bass Management on your source device then set the Frequency Control on the FT12 to its HIGHEST position - fully clockwise (right).

3. Phase Control

The Phase Control is used to adjust the phase on the FT12 to match the phase of your main speakers at your listening position. The best setting here will depend on your main speakers and where your subwoofer is located in relation to them. The easiest way to adjust this control is to play something that has lots of low bass and adjust the control for the *MOST* bass at your listening position. You will get the most bass at the crossover point when the subwoofer is in phase with your main speakers at that frequency. If you plan to use the Bass Management on your source device then you should do this before using the Bass Management on your other device.

4. Cal / Preset Button (see also 6. Indicator LEDs)

The Cal / Preset Button is used to initiate the Automatic Room Correction calibration. (See the following section for details about the Automatic Room Correction.)

Once the Automatic Room Correction has been run the correction it calculates is applied to the output of the FT12 to provide an accurate frequency response in your listening room.

5. Power Mode Switch (see also 6. Indicator LEDs)

When the Power Mode Switch is set to On the FT12 will remain On.

When the Power Mode Switch is set to Auto the FT12 will switch on when it senses an incoming audio signal. It will then switch Off again after not receiving any audio for several seconds.

The Power Indicator LED will change color to display the status of the FT12.

- Red = when the FT12 is in Standby (AC Power is On; waiting for a signal)
- Flashing Blue = when first starting up or when a signal is first detected in Auto mode
- Solid Blue = when the FT12 is On.

NOTE:

You will see some activity from the other Indicator LEDs for a few seconds during startup and for several seconds during and right after shutdown.

NOTE:

The USB-C Service port is reserved for future upgrades and is unused at this time.

6. Indicator LEDs (Power)

The Power Indicator LED illuminates Red when the FT12 is powered On but in Standby, flashes Blue when the FT12 is waking up from Standby, and illuminates solid Blue when the FT12 is On.

(Several LEDs will illuminate and go out during startup and power down.)

Automatic Room Correction

The Cal / Preset Button is used to initiate the Automatic Room Correction calibration.

STARTING THE AUTOMATIC ROOM CALIBRATION

The calibrated microphone provided with the FT12 is designed to be held by hand, approximately one meter (three feet) in front of the center of the driver, facing UPWARDS (point up; wire end down). However, if you have a microphone stand, or prefer to stand the microphone upright in a block of foam, that should also work fine. HOWEVER, DO NOT LAY THE MICROPHONE DOWN, OR STAND IT ON TOP OF AN EMPTY BOX OR CONTAINER, AS THAT MAY ADVERSELY AFFECT THE RESULTS.

WARNING:

Be sure to use the calibrated microphone and cable that came with your FT12. THE MICROPHONE WE PROVIDED WAS DESIGNED TO WORK PROPERLY WITH YOUR FT12. ATTEMPTING TO USE A DIFFERENT MICROPHONE WITH YOUR FT12, OR TO USE THE FT12 MICROPHONE WITH OTHER GEAR, MAY RESULT IN DAMAGE TO THE MICROPHONE, YOUR OTHER EQUIPMENT, OR BOTH.

1. Connect the cable from the calibrated microphone to the jack marked Measurement Mic Input on the rear panel of your FT12.
2. PRESS AND HOLD the CAL / PRESET BUTTON until the DSP INDICATOR LED changes color or starts to flash (test ready tones will start playing).
3. If you are holding the microphone by hand IMMEDIATELY move around to the front of your FT12 and hold the microphone in position.
4. The FT12 will play several tones... and will finally play a “toodle” to indicate that the calibration is complete.
5. At this point the DSP INDICATOR LED will return to BLUE.
6. The calibration is now complete... so you can unplug the microphone. (Your FT12 will be using the ARC calibrated DSP Mode.)

Subwoofer Placement And Configuration

To get the most from your Emotiva Nostala FT12 subwoofer, we urge you to read the entire manual. If you just can't wait to hear how great your new subwoofer sounds, this section will cover the basics you need to get started.

The best location for your subwoofer will depend on a lot of things - including the acoustics of your room, the characteristics of your main speakers, and practical considerations like where you have room for it. Whole books have been written about the subject - and even experts often disagree. The compact footprint of the Nostala FT12 subwoofer, and its attractive fine furniture finish, simplify the task of finding a location that delivers the sound you want and that fits perfectly with your room decor.

Some frequently chosen locations include: in the front between your main front speakers, in a front or rear corner, or in the center of a side wall or rear wall. Each has advantages and disadvantages, and each may or may not work well in your particular system.

One way of choosing a good location is sometimes humorously referred to as the "subwoofer crawl". To use this method, you connect your subwoofer temporarily to your audio system, place the sub in your normal listening position, where you would normally sit, and play music through it with plenty of bass. You then crawl around on the floor, stopping and listening at each location where you're considering putting your sub. Once you find the spot where the bass sounds the best and cleanest, you switch places with the subwoofer, placing it in the location where the bass sounded the best. This often turns out to be a good location for your subwoofer.

NOTE:

Your Nostala FT12 subwoofer contains a powerful yet efficient Class D amplifier. While the back plate of the FT12 will get slightly warm in normal use, no special ventilation or clearance is required.

A properly configured subwoofer should add depth and a solid foundation to your listening experience, but should not be audible as a separate sound source, and you should not be able to detect its physical location in the room by listening to it. The visceral low bass delivered by a subwoofer should simply fill the listening area.

NOTE:

The way your main speakers and subwoofer blend together will sound slightly different at different locations in the room. Manual adjustments should always be made by listening at your normal listening position.

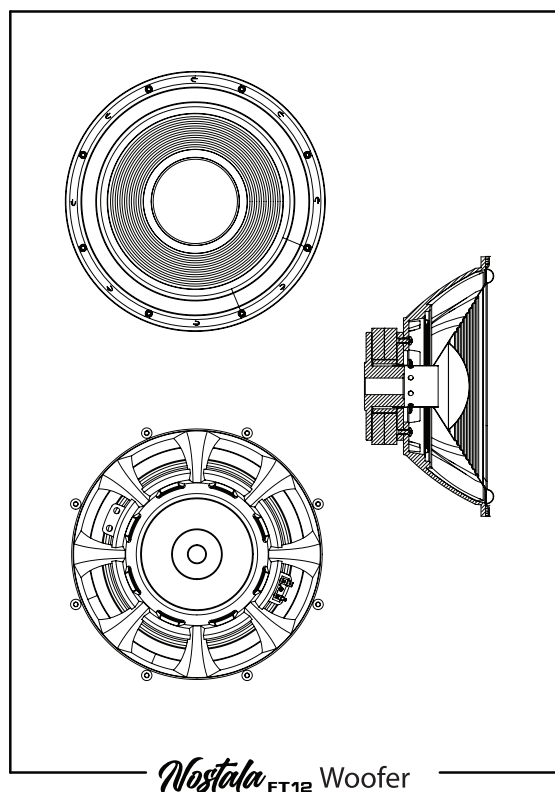
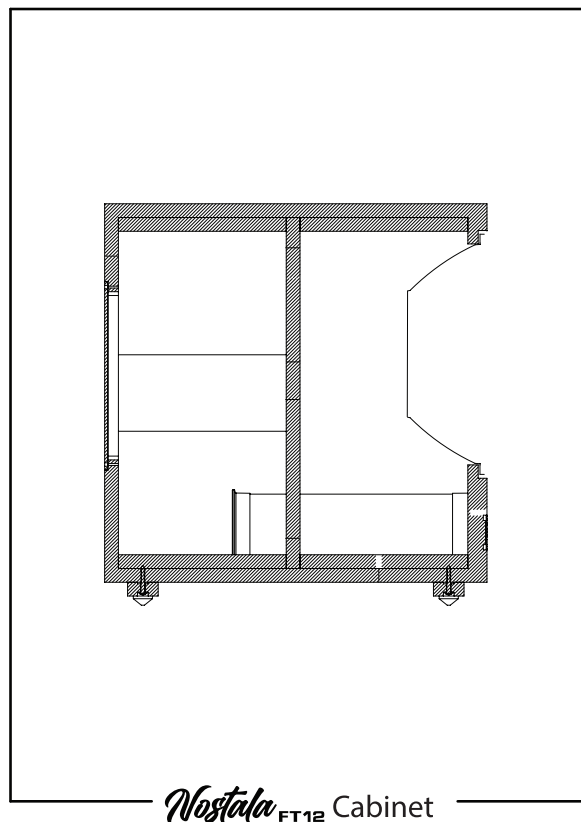
NOTE:

After you decide on the best location for your Nostala FT12 you will want to run the Automatic Room Correction (ARC) to calibrate it to provide the most accurate response in your room at that location. Since the ARC calibrates how the FT12 interacts with the room, and not how it interacts with your main speakers, you should run the ARC BEFORE making any specific manual adjustments like Crossover Frequency (X-Over) or Phase, and BEFORE running any Room Correction on your processor or AVR, if you plan to do so.

Design Highlights

We're so proud of the work we've put into our new Nostala FT12 subwoofer, and of how great it sounds, that we're including a brief glimpse into some of the technical details that go into the design and realization of a truly great subwoofer.

For truly impressive low frequency performance we chose a powerful 12" pressed paper cone woofer, with a long throw half roll NBR surround, a 65.5 mm four layer CCAW voice coil on a fibreglas former, a massive 156 mm magnet, and a die-cast aluminum frame.



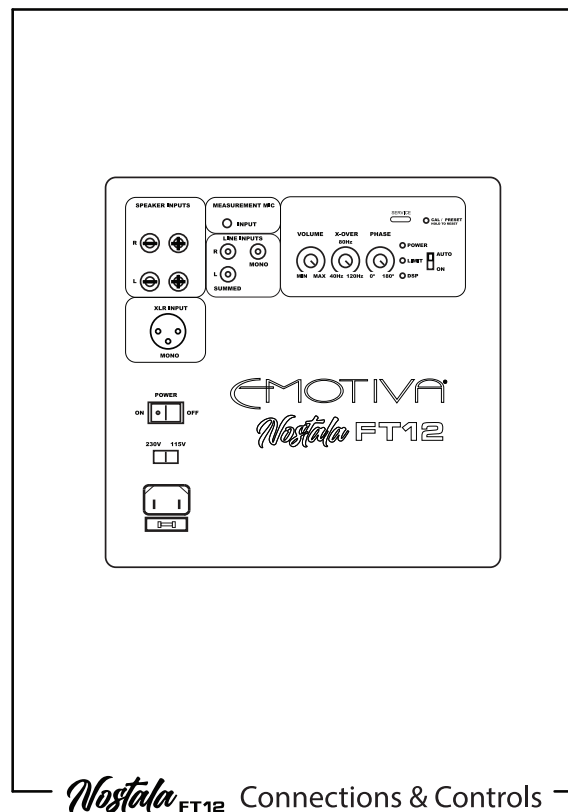
To make sure there are no unwanted vibrations to color your thunderous bass response, and keep that superb woofer under tight control, we designed a rock solid, critically braced, acoustically inert, HDF cabinet. And, to ensure that the FT12 looks as good as it sounds, we covered the cabinet in genuine furniture grade walnut veneer on all sides.

The front of the cabinet proudly displays an all-metal badge showing our Emotiva logo. And, if you prefer a more subdued appearance, we've included not one but two grills in both beige and neutral gray, which attach firmly and precisely via powerful concealed magnets.

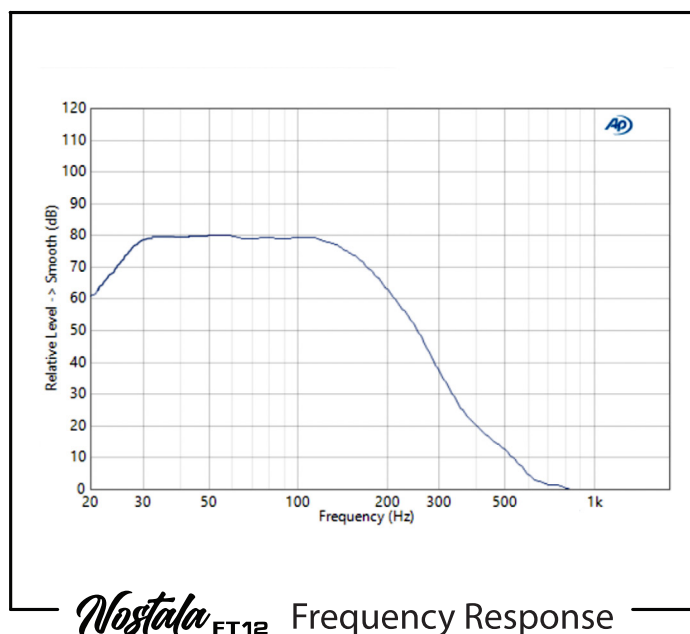
Emotiva[®] Nostala[™] FT12

The flexibility to match that power and finesse is provided by a full set of input options, including Speaker Level inputs, and both Balanced (XLR) and Unbalanced (RCA) inputs.

The FT12 also includes powerful 56-bit DSP-based Automatic Room Correction (which works at the push of a button with the included calibrated microphone).



Nostala FT12 Connections & Controls



Nostala FT12 Frequency Response

The results speak for themselves. The Nostala FT12 delivers an exceptionally flat frequency response over its entire operating range. And, with a peak in-room measured output of over 117 dB SPL at 40 Hz, you'll never find yourself lacking for plenty of clean musical low bass.

Care and Maintenance

Periodic Maintenance

Your Nostala FT12 subwoofer requires no periodic maintenance or calibration.

Caring for and Cleaning the Cabinet

The cabinet of the Emotiva Nostala FT12 subwoofer is covered in genuine walnut wood veneer. This veneer is already finished and requires no additional treatment or maintenance. Please treat your Nostala FT12 subwoofer as you would other fine furniture.

- **You MAY apply a high-quality furniture wax or similar surface treatment to them.**
- **DO NOT apply any sort of varnish, urethane, plastic, or other permanent sealant type finish to the veneer on your FT12 subwoofer.**
- **The genuine walnut veneer on your FT12 subwoofer already has a sealed finish. Therefore you should NOT apply any sort of penetrating oil to it that is intended specifically for unsealed wood finishes (like linseed oil).**
- **DO NOT spray water directly onto the finish and DO NOT use any abrasive or solvent type cleaners on your FT12 subwoofer.**
- **You MAY clean the finish with a SLIGHTLY DAMP rag if absolutely necessary.**
- **AVOID placing anything wet, or anything that may become wet due to condensation, or anything that may drip liquids, onto the speaker.**
- **AVOID placing cups or other containers with hot liquids like tea or coffee onto the speaker.**

Caring for and Cleaning the Speaker Driver

- **DO NOT use any sort of liquid or wet cloth on the subwoofer driver.**
- **The woofer cone MAY be cleaned CAREFULLY with a very soft brush or micro-fiber cloth.**

Cleaning the Grill Cloths

- If necessary, the grill cloth may be carefully vacuumed to remove dust or hair.
- Animal hair may be removed by using a “tape” type lint remover, sticky roller, or soft brush. Avoid using brushes with stiff bristles that may pull or damage the grill cloth.

Fuses

Replacement fuse values for your FT12 are:

110-120 VAC: T8AL - 8 Amps / Time Delay (Slow Blow).

220-240 VAC: T4AL - 4 Amps / Time Delay (Slow Blow).



Emotiva Audio Corporation Ten-Year Limited Warranty

What does this warranty cover?

Emotiva Audio Corporation (Emotiva) warrants the speaker driver and cabinet of the Emotiva Nostala FT12 subwoofer against defects in materials and workmanship for a full ten years and the electronic components of the Nostala FT12 subwoofer for a full five years. This warranty, and all rights provided hereunder, is granted to the original owner, and may NOT be transferred if the unit is gifted or sold.

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?

The warranty on the Emotiva Nostala FT12 commences on the date of retail purchase by the original retail purchaser and runs for a period of ten years thereafter on the driver and cabinet and for a period of five years thereafter on the electronic components. 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".

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 such as electrical surges caused by lightning or unstable line voltage; (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) to glass or plastic panels, cabinetry, veneer, trim, grill cloths, or other appearance items; (viii) to 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 1-615-790-6754 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.

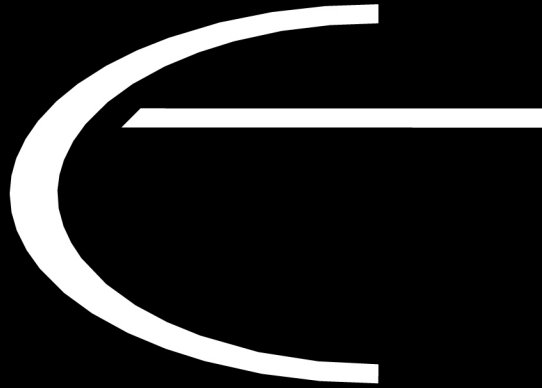
How does the Warranty and service apply to international orders?

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 your responsibility. 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.

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.



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www.emotiva.com