

# **Ultimate**

**PT1003 • PT802  
PC25 • PB60 • PB50**

## **MANUAL**

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Thank you for purchasing Ultimate loudspeakers. At Ultimate we strive to create loudspeakers engineered to deliver the best value in loudspeaker technology, for stereo or home-theatre applications.

Ultimate loudspeakers are designed for ease of installation and will provide you with excellent sound quality for years to come. Reading this manual will assist you in getting acquainted with your Ultimate loudspeakers. Ultimate provides a 5 year parts and labour warranty on all loudspeakers. To obtain servicing please contact your Ultimate representative. The original bill of sale is required for warranty service.

## STEP 1

### LOUDSPEAKER PLACEMENT

Placement of your loudspeakers will greatly affect their performance. The following guidelines should be considered:

- Placing the loudspeakers at least 6-8 feet (1.8-2.5m) apart will provide the best stereo sound and image.
- The shape of the room will affect the bass performance, especially when loudspeakers are placed in the corner of the room.
- Positioning the tweeters so that they play at the listeners ear level provides for optimum playback.
- Keeping the loudspeaker wire away from AC outlets will reduce interference.

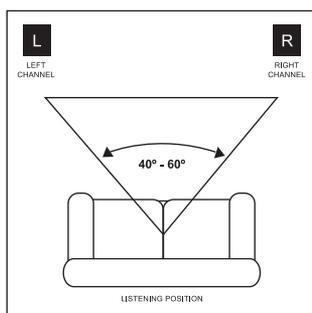
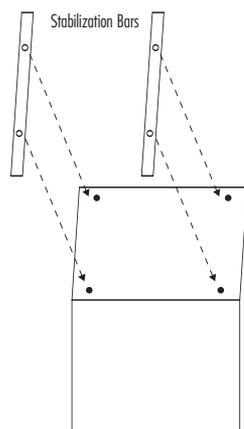


Diagram 1

The shape of the listening room and the furnishings will change the way your system sounds. The bass frequencies will generally be affected by the positioning and treatment of the room. There will be more perceived bass when a speaker is moved closer to a wall boundary. In general, however, loudspeakers should be kept away from side walls as much as possible, as these surfaces can adversely affect the stereo imaging experienced at the listening position. Positioning the loudspeakers at least 12-15" away from the side walls will generally provide the best performance.

### INCLUDED WITH THE PT1003 AND PT802: STABILIZATION BARS

These two loudspeakers require that the stabilization bars supplied in the box be attached to the bottom of their cabinets to ensure that they are steady, solid and stable. Not attaching these bars can result in a product that may tip over easily so be sure to install them to avoid any potential damage. Simply turn the cabinet over so you have access to the bottom and attach the bars with the supplied hardware.



## HOME-THEATRE

Today's home theatre systems typically comprise front loudspeakers, side and/or rear loudspeakers, a centre channel loudspeaker and a powered subwoofer. Building your system with loudspeakers of the same brand produces the best performance as the tonal characteristics will remain the same throughout your surround system.

### FRONT CHANNELS

Placement of your front loudspeakers is critical to the performance of your system. The 3 front loudspeakers should ideally be placed with the tweeters at the same height and the same distance from the main listening position. If this not possible, place the centre channel (PC 25) on top of, or just below, the television, with the front left and front right loudspeakers on either side of the TV monitor.

### REAR CHANNELS

Rear channel loudspeakers can be either floor standing (PT 1003 and PT 802) or smaller bookshelf loudspeakers (PB 60 and PB 50). Bookshelf loudspeakers should be placed on stands or on a shelf to maximize their performance. Aiming the loudspeakers to the listening position or aiming them away from the listening position will provide different sound fields (direct or diffused), based on your preference.

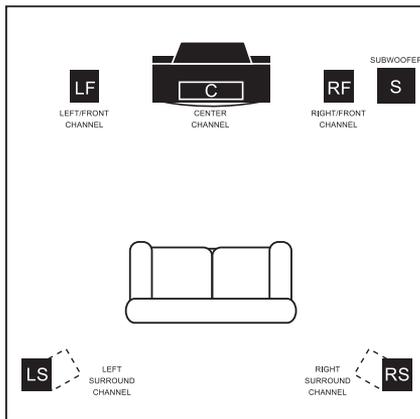


Diagram 2

### POWERED SUB

A powered subwoofer will reinforce the lower frequencies in any system and will also greatly enhance your stereo and home-theatre listening experience. Today's media, such as CD's, DVD's and other high quality music and movie software feature low frequency sounds that are difficult for most loudspeakers to reproduce. Adding a powered subwoofer will greatly improve the overall systems frequency response because it is designed to play the frequencies that your main loudspeakers cannot play efficiently. Your authorized Ultimate dealer can assist you in choosing the subwoofer that is right for you.

## STEP 2

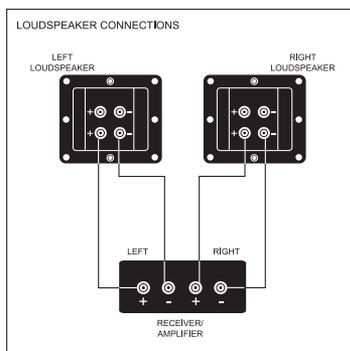
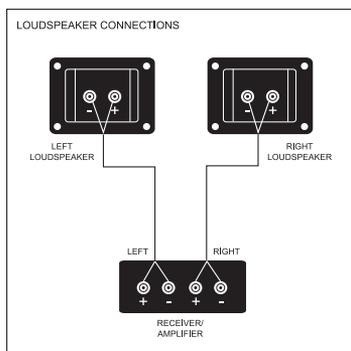
### CONNECTING THE LOUSPEAKERS

**BEFORE ANY CONNECTIONS ARE MADE, PLEASE ENSURE THAT ALL EQUIPMENT IN THE SYSTEM IS TURNED OFF.**

Loudspeaker wire throughout the system should be good quality, loudspeaker grade audio cable with polarity coding. For loudspeaker wire that runs less than 25 feet, the cable should be a minimum of 18 AWG, for loudspeaker wire that runs up to 50 feet, the cable should be 16 AWG and for loudspeaker wire that runs longer than 50 feet, the cable should be at least 14 AWG.

### INSTALLATION:

Remove 3/8" of insulation from the end of the loudspeaker wires to be connected. Connect the positive lead of the loudspeaker wire (indicated with a "+" or other marking) to the Red (or positive) loudspeaker terminal. Connect the other loudspeaker wire lead to the Black (or negative) loudspeaker terminal. Connect the opposite end of the loudspeaker wire to your amplifier making sure that the polarity is preserved ("+" to "+" or Red to Red, and "-" to "-" or Black to Black — see diagram).



## STEP 3

### LISTENING TEST

To ensure that all connections have been made correctly, turn on your system and begin playback of material you are familiar with. Start off by listening at a low volume, then slowly raise the volume to a comfortable listening level. A proper stereo image should be present. If the loudspeakers do not produce a solid stereo image, please verify the wiring to ensure that the polarity of the connection is not reversed.

### MAINTENANCE

Ultimate loudspeakers are finished in a black wood grain vinyl. Cleaning the loudspeakers should be done with a damp cloth. Chemical cleaners should be avoided, as they may damage the finish.

## SPECIFICATIONS

MODEL	PT 1003	PT 802	PB 60	PB 50	PC 25
Description	3-Way Triple 10" Tower Loudspeaker	2-Way Dual 8" Tower Loudspeaker	2-Way 6.5" Bookshelf Loudspeaker	2-Way 5.25" Bookshelf Loudspeaker	2-Way 5.25" Center Channel Loudspeaker
Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Sensitivity	90dB	89dB	88dB	87dB	88dB
Frequency Response	35Hz - 20kHz	40Hz - 20kHz	55Hz - 20kHz	65Hz - 20kHz	90Hz - 20kHz
Max Power Handling	200 Watts	150 Watts	100 Watts	75 Watts	100 Watts
Drivers	Midrange: 5.25" Natural Hybrid Cones Dual 10" Natural Hybrid Cones	Dual 8" Natural Hybrid Cones	6.5" Natural Hybrid Cone	5.25" Natural Hybrid Cone	Dual 5.25" Natural Hybrid Cone
Tweeter	1" Clarity Soft Dome	1" Clarity Soft Dome	1" Clarity Soft Dome	1" Clarity Soft Dome	1" Clarity Soft Dome
Dimensions (HxWxD)	1100 x 320 x 260mm	950 x 300 x 245mm	410 x 250 x 170mm	310 x 200 x 150mm	190 x 480 x 170mm

At Ultimate we continuously strive to update and improve our products. As such the specifications indicated above are subject to change without notice.

# **Ultimate**



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