



2.1 SURROUND SOUND  
**M HOME AUDIO**  
S E R I E S



**MS-42031WL**

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**SOUNDBAR AND WIRELESS SUBWOOFER**

**Technical Specifications and Operating Instructions**

*Please read through this manual to familiarize yourself with your new speaker system. Should your PBX Home Audio speaker ever require service, you will need to have the original dated receipt.*



H O M E   A U D I O

### **PBX M-SERIES SOUNDBAR**

Thank you and Congratulations on your purchase of PBX loudspeakers, one of the finest home theater speakers available today. At PBX we are confident you will have many years of outstanding listening enjoyment from this great speaker investment.

While it is our recommendation at PBX to always have a licensed professional install your speakers for long lasting and enjoyable sound for years to come, hook up of this home theater system is simple and straight forward. Please read the following installation instructions carefully before attempting to install your loud speakers.

Please keep all receipts and write down the serial number of your PBX speakers. A space for this is provided in the back of this manual.

The PBX Home Audio's MS-42031WL soundbar is easy to set up, and a pleasure to use. Simply connect the audio out from your TV (or other audio source) to the soundbar using the supplied cable, set the subwoofer wherever you can reach a electrical outlet, and you are ready to enjoy. Integrated key-hole mounting brackets on the rear of the unit make for easy mounting, but the soundbar is also shaped to rest elegantly on most flat surfaces and features non-marring rubber feet. The included wireless subwoofer works on 2.4 GHz frequency hopping technology with selectable wireless ID (switches found on the rear of both units).

**To learn more about PBX please visit us at <http://www.pbxhomeaudio.com>**



## SAFETY INSTRUCTIONS

Please refer to the label on the back of the MS-42031WL unit. This provides information on the required main voltage.

In order to make sure that heat dissipates, please setup your MS-42031WL soundbar either freestanding or mount it to the wall. Do not block any of the ventilation openings on the soundbar itself.

Do not stack this appliance on top of other appliances

Switch off attached devices and the MS-42031WL unit before moving them.

Switch off all components and the MS-42031WL unit before connecting or changing cables.

Switch MS-42031WL unit to standby or disconnect it completely from the power supply, especially if you are not using the appliance for a long time.

Avoid high temperatures caused by direct sunlight or radiators/heaters and protect your speakers from humidity.

Place the MS-42031WL subwoofer enclosure on a level surface.

**CAUTION: TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**

This product is for general household purposes. Any failure due to use for other than household purposes (such as long-term use for business purposes in a restaurant or use in a car or ship) and which requires repair will be charged for even during the warranty period.

If any of the following occurs, disconnect the appliance and consult one of our technicians:

If the electrical AC plug or cable is damaged

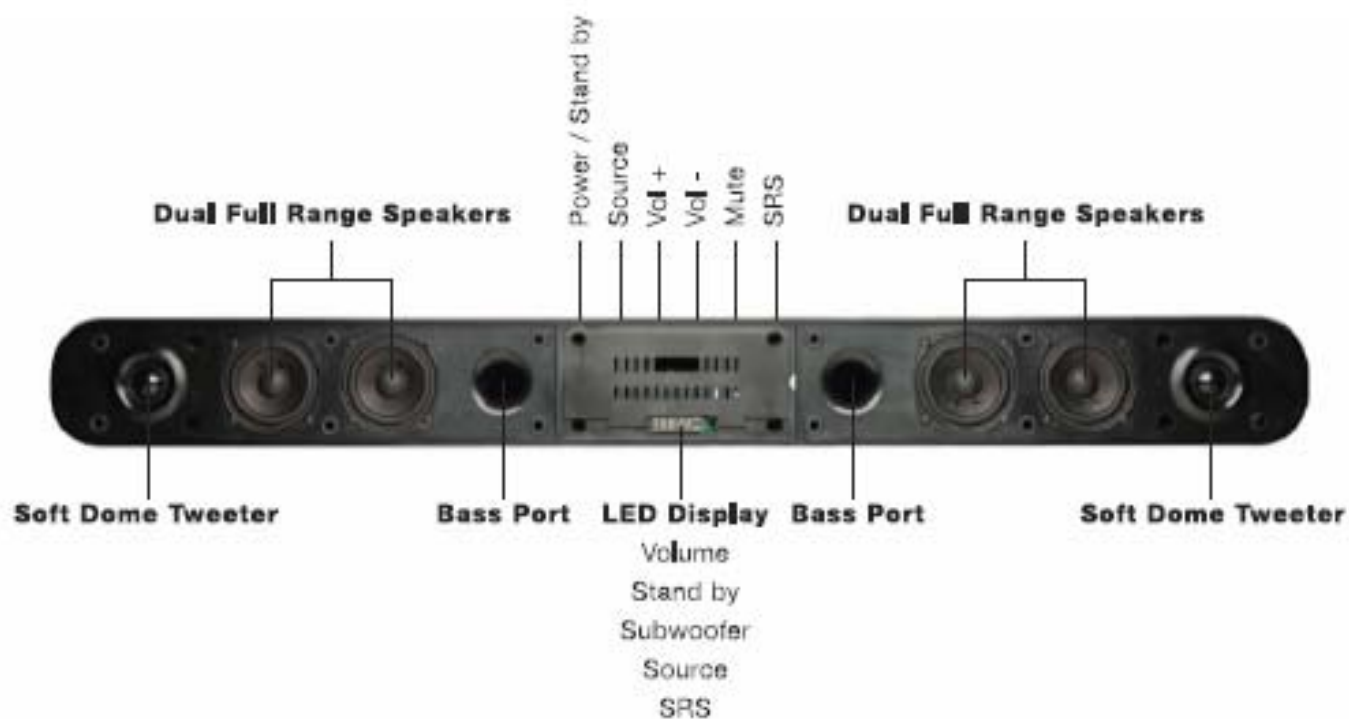
If foreign objects or liquid have got into the appliance

If an appliance has been in direct contact with rain or other water

If an appliance does not work, even though you have followed the instructions

If one of the appliances has been dropped or damaged in some other way

**WARNING:** Handling the cord on this product or cords associated with accessories sold with the product may expose you to chemicals listed on proposition 65 known to the State of California and other governmental entities to cause cancer and birth defect or other reproductive harm. Wash hands after handling.



## PBX M-SERIES SOUNDBAR FEATURES

Simple One Cable Connectivity

Supports Two Aux and Two PCM Digital Input Methods

Internal SRS Processing Chip, Fully Supports Virtual Surround Sound Effects

Digital Sound Processor Circuitry Optimizes the Soundbar to Any Room

All Digital Circuit Design with Internal Distortion Limiter to Deliver Clear Sound

ABS Plastic Enclosure Structure with Integrated Keyhole Mounting Brackets

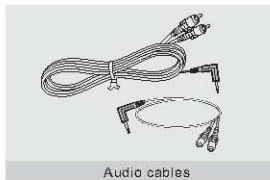
LED Readout Display

2.4GHz Wireless Subwoofer with Internal Amplifier (only requires AC power)

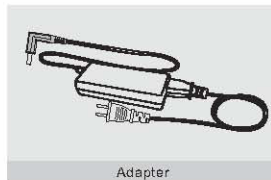
Full Functional Wireless Remote Control

6.5" Long Throw Wireless Subwoofer

## WHAT'S INCLUDED



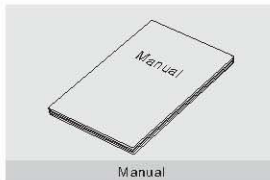
Audio cables



Adapter



Remote control



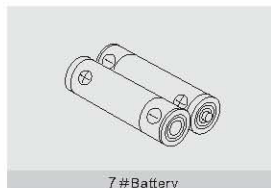
Manual



Screws



Subwoofer



7# Battery

## SETTING UP THE SYSTEM

The MS-42031WL system is a high quality stereo and surround playback set suitable for reproducing film and music sound. The sound is automatically in perfect symmetry and produces a wide soundstage using the soundbars internal speakers. The system is suggested to install below your flat-panel TV. When setup correctly, the MS-42031WL system simulates surround sound realistically, using the front speakers alone.

Setup height should be between 3ft - 6.5ft (40cm and 2.0m), ideally at ear height to the sitting position. Your listening position should be central and in front of the unit. It also helps to position the unit in a central position between the two side walls.

### Subwoofer Setup

You can locate the subwoofer anywhere, this will not affect other speakers.

## SOUNDBAR CONNECTIONS

### SOURCE CONNECTIONS (see Fig. 1)

#### INPUTS:

**Analog:** Use the supplied audio cable to connect to the soundbar's rear input labeled **TV** and/or **AUX**.

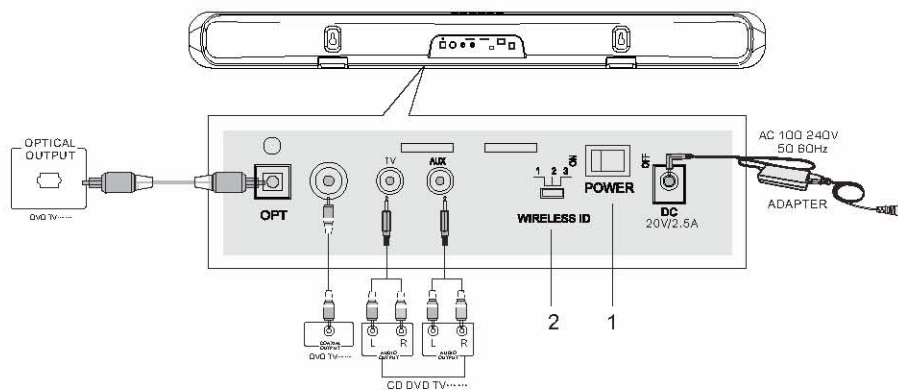
**Digital:** If your DVD player, cable tuner or satellite tuner have coaxial or optical digital outputs, you can use a digital toslink cable (not included) or a coaxial digital audio cable (not included) to connect to the soundbar's digital inputs labeled **OPT** (Optical) or **COAXIAL**.

**NOTE:** If your DVD player, cable tuner or satellite tuner does not have a coaxial digital output, you can connect its analog audio to your TV. The TV will send its audio signal to the soundbar through the analog connection described above.

## POWER CONNECTIONS (see Fig. 1)

After you have made and verified all of the source connections above:

Connect the DC power supply to the soundbar's power connection. Then plug the supplied AC cord into the DC power supply and into an active, unswitched 110VAC outlet.



(Fig. 1)

### 1. POWER

Power switch to turn **ON** or **OFF** the power supply of the main unit. This will normally always be left in the ON position.

### 2. WIRELESS ID SWITCH

Selects the "channel ID" for the wireless subwoofer signal. The switch is labeled 1 through 3 (this is preset to ID position 1 at the factory). The switches on the soundbar and the subwoofer must be set to the same ID position for the wireless system to work properly.

**NOTE:** You will probably never need to adjust the Wireless ID switch—however if you put more than one PBX MS-42031WL system in your home, use different channel ID switch settings so the systems don't interfere with each other.

**IMPORTANT MEMO:** For the best sound, it is recommended turning the TV's built-in speakers off. Consult your TV's owner's manual to find out how accomplish this. If you cannot determine how to turn the TV speakers off, adjust the TV's volume so that the soundbar is louder and provides most of the audio.

## SPEAKER LOCATION

The bar comes with rubber feet already attached so it will sit securely on any flat surface. If your TV is placed on a table, you can place the soundbar on the table directly in front of the TV stand. Be sure to center the bar under your TV screen. If your TV is housed in a media center, you can place the bar above the TV.

If your TV is wall mounted, the bar can be mounted directly below the TV screen. The rear of the bar has built-in keyhole slots for simple yet secure mounting. A mounting template has been included to help with this process.

**NOTE:** To ensure that the soundbar will be level, use a carpenter's level, laser sight or other device to ensure the screw holes are at exactly the same height.

Make sure you have made all the connections on the rear of the bar prior to securing the bar on the wall.

The wireless subwoofer receives a signal from the soundbar so it can be placed just about anywhere in the room that is close to an electrical power outlet (110VAC). Sometimes locating your subwoofer in the corner of a room will reinforce the subwoofers output, making it sound louder.

**NOTE:** The maximum wireless range between the soundbar and the subwoofer is approximately 30 feet (9 meters).

## WALL MOUNTING INSTRUCTIONS

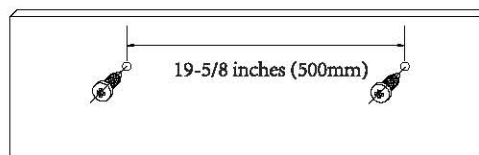
Please use strong screws in combination with the plastic anchors supplied to guarantee a secure hold. The following details how to install the soundbar below the TV.

Do not place or lean any objects on or against the MS-42031WL soundbar.

Please check the soundbar to make sure it is mounted securely and recheck at regular intervals.

Hardware is provided for drywall or sheetrock installations. If you are trying to mount the bar to masonry you will need to purchase special hardware (not included).

**Step 1.** Paste the supplied wall mounting template on the area of installation. Attach the template level to the ground using an adhesive such as tape. Make sure the template is straight to avoid mounting the unit crookedly. Pasting the template too close to the TV may cause the TV to get in the way of the unit when installing. Make sure the template and TV do not overlap.





**Step 2.** Following the instructions on the template, drill two 15/64" pilot holes at the specified locations.

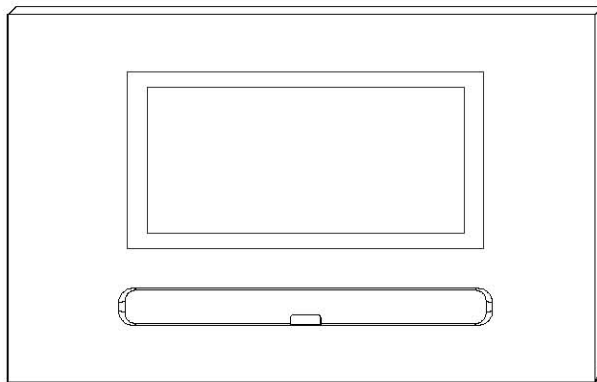


Remove the template from the wall.

Gently tap in the plastic anchors and then start the screws by hand into the anchors—followed by a screwdriver. Run the screw into the plastic anchor so approximately 1/4" of the screw shaft is exposed from the wall.

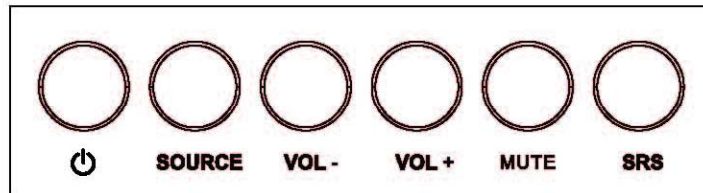


**Step 3.** Guide the soundbar by aligning the key slots on the rear of the unit with the two exposed mounting screws on the wall. Hang the soundbar on the screws by pushing down as shown.



**CAUTION:** PBX Home Audio is not responsible for any accidents or damage that result from improper installation, misuse or modification of the product, or natural disasters.

## OPERATING INSTRUCTIONS



(Fig. 2) Soundbar Top Control Panel

### 1) **POWER**

Turns **ON** the soundbar or puts it in standby mode. The LED readout shows a dashed line in the standby mode ( - - - - ), and shows the last saved settings when in working mode.

### 2) **SOURCE**

Switches the input source you are listening to. Repeatedly pushing this button will cycle through the LED readout indicating **OPT** (optical), **AUX** (Auxiliary) or **TV** (television). When the soundbar has been switched on, the last signal source selected will be displayed.

### 3-4) **VOL +/-**

Use these buttons to reduce or increase the amplifier volume. The control ranges from 0 (min) to 30 (max) and is displayed on the LED readout as **V 0** through **V 30**.

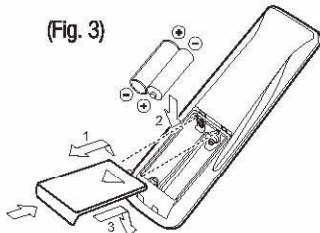
### 5) **MUTE**

Mutes and unmutes the sound. The LED display will show a flashing dashed line ( - - - - ) while the mute is engaged.

### 6) **SRS**

This button turns the soundbars SRS virtual surround processing On and Off. The LED readout will display **SRS** when the processing is on. Otherwise the when the SRS is not active, the bar defaults to normal stereo sound.

## REMOTE CONTROL



### Installing the Battery (Fig. 3)

1. Push the arrow sign (  $\triangle$  ) on the back of the remote control and open the cover
2. Put two AAA (IEC R03) batteries into the compartment following the polarity markings
3. Close the cover

### Note:

If the remote control operation range decreases, replace batteries.

Always remove expired batteries.

Do not use new/used batteries together or mix batteries with different types.

Do not dispose of batteries in fire, batteries may explode.

Exhausted batteries may leak. If the batteries have leaked, dispose them immediately. Avoid touching the leaked materials. Clean the battery compartment before install new batteries.

Remove the batteries if the unit will not be used for a long period of time.

Dispose exhausted batteries properly following your local regulations

### Remote Control Range

Point the remote control at the remote control sensor to transmit the commands (Fig. 4).

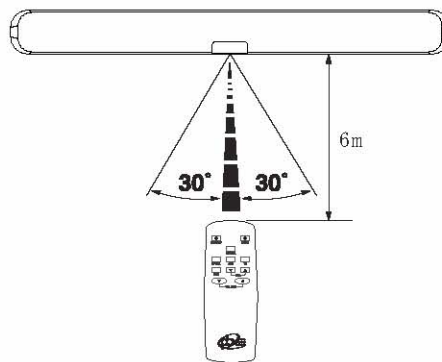
Do not place any obstacles between the remote control and the receiver window. The effective range of the remote control is approximately 20 feet (6 meters) from the front of the receiver window, 30° to the left and right, 20° up and down.

### Note:

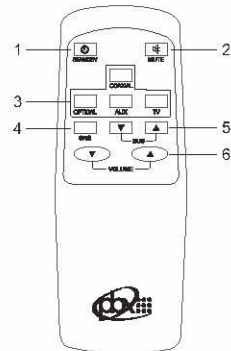
Do not spill water or other liquids on the remote control

Do not drop the remote control

Do not leave the remote control in following conditions: places of high humidity, places of high temperatures or extremely low temperatures, dusty places.



(Fig. 4)



(Fig. 5) Remote Control Functions

#### **Power**

Switches the system on and off.

#### **Mute**

Switches sound playback on and off. The display shows the active mute function.

#### **Coaxial/Optical/Aux/TV**

Press these buttons to select corresponding audio inputs (Aux, TV/Optical/Coaxial).

#### **SRS**

Switches on/off SRS virtual surround sound processing.

#### **SUB +/-**

These two buttons are used to control the Subwoofer Volume 0 (min) to 20 (max). The LED readout on the soundbar will temporarily display b 0-20 when pressing these buttons.

#### **Volume +/-**

These two buttons are used to control the soundbar volume from 0 (min) through 30 (max) and is indicated on the soundbar's front panel LED readout.

## SUBWOOFER

### 1. Wireless ID Switch

Wireless ID uses frequency hopping technology to match the wireless signal between the main unit and the subwoofer. The default is set to 1. Please make sure to use the same number for both the main unit wireless ID and the subwoofer wireless ID.

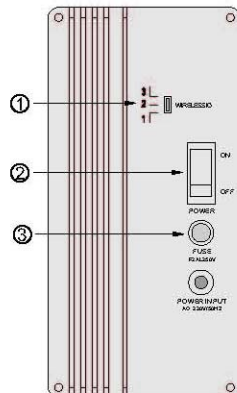
### 2. Power Switch

Turns the wireless subwoofer **ON** or **OFF**, you can leave this on all the time if you wish.

### 3. AC Fuse Holder

The subwoofer is factory equipped with a F2AL/250V AC fuse. If the fuse ever blows:

- A) Unplug the power cord from the wall
- B) Use a blade screwdriver to remove the blown fuse
- C) Replace the fuse with that of an identical value



**Note:** Make sure the power cord on the subwoofer is plugged into an active, unswitched 110VAC outlet.

## TROUBLESHOOTING

If a problem should occur, please check through the following advice before contacting our service staff.

### No power - Soundbar

- Please check whether the plug is properly inserted in the electrical socket.
- Check to see the wall outlet circuit is live.
- Make sure the power supply is properly connected to the soundbar power input.
- Make sure the power switch on the rear of the soundbar is in the ON position.

### No power – Subwoofer

- Check to see the wall outlet circuit is live.
- Make sure the power switch on the rear of the subwoofer is in the ON position.

### No sound or poor sound output

- You may have inserted an incompatible disc. To test this, insert an audio CD into your playback appliance and use the remote control to select the correct input.
- Check whether the television and MS-42031WL unit are switched on and the correct program source is selected.
- Check the cable connection between the TV, player and MS-42031WL unit.
- Check whether the mute function has been activated.
- Check whether the subwoofer is switched on.
- Check whether the right input methods are chosen, Coaxial/Optical/TV/Aux
- If use Optical input, please check (1) whether your audio play device audio output is set to PCM output, (2) check your optical cable connections

### Malfunctions

If the MS-42031WL system malfunctions, disconnect the soundbar from the power supply for at least 10 minutes. Then connect the power supply again. The internal restore function should reset the appliance.

### The remote control does not work

- Check whether the batteries are still charged and if necessary replace them.
- Point the remote control at the sensor on the soundbar. Make sure that there are no obstacles between the remote control and MS-42031WL unit. Remove these, if necessary.
- Check whether the batteries in the remote control have been inserted with the correct polarity.

### The soundbar does not react to input commands

Switch the soundbar to standby and switch it on again. If this doesn't help, switch the system off completely and then on again. To do this, switch the MS-42031WL unit to standby. Now switch the subwoofer off and unplug the AC electrical cord. Follow this procedure in reverse to switch the system on again.

## CONTACT US



If you need to contact PBX Home Audio, you will be asked for the model and serial number of your product. The model number and serial number are on the back or bottom of your product. Note the numbers before you call us:

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

### **PBX Home Audio**

2133 S Green Privado  
Ontario, CA 91761 USA  
Tel: (909) 930-3679

### Hours of operation:

8:30am-5:30pm Pacific Coast Time



Product Disposal – Certain international, national and/or local laws and/or regulations may apply regarding the disposal of this product and batteries correctly. For further detailed information please contact local authorities, the retailer where you purchased this product or the PBX Home Audio Importer/Distributor in your country.

## COMPLIANCE INFORMATION

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 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example-use only shielded interface cables when connecting to computer or peripheral devices). This equipment complies with Part 15 of FCC RF Rules. Operation is subject to the following two conditions:

- 1 This device may not cause interference, and
- 2 This device must accept any interference, including interference that may cause undesired operation of the device.

**WARNING:** Changes or modifications made to this equipment not expressly approved by PBX may void the FCC authorization to operate this equipment.

Model number: **MS-42031WL**  
Trade Name: PBX  
Responsible Party: PBX Home Audio  
2133 S Green Privado  
Ontario, CA 91761 USA  
Tel: (909) 930-3679



## TECHNICAL SPECIFICATIONS

### MAIN UNIT

RMS Power: Class D Amplifier, 20Wx2, THD<=1%

Signal to Noise Ratio: ≥80dB

SPL: ≥95dB@ 1M

Speakers: 3" Full Range Speaker X 4; 25mm Silk Dome Tweeter X 2

Impedance: 8 ohms

Adapter: Input: AC100V-240V Output: DC 20V/2.5A

Frequency Response: 60Hz-20KHz

Inputs: Two Analog inputs, two PCM digital inputs

Size: 39.25" (L) x 4.33" (W) x 4.0" (H) / 1000mm(L) x 110mm(W) x 100mm(H)

### REMOTE CONTROL

Battery: AAA x 2 (IEC R03 or UM4)

### SUBWOOFER

RMS Power: Class A/B Amplifier, 85W, THD<=0.5%

Signal to Noise Ratio: ≥80dB

SPL: ≥95dB

Speakers: 6.5" long throw Subwoofer

Impedance: 4 ohms

Adapter: AC 110V/60 Hz

Frequency Response: 35Hz-150Hz

Size: 13.5" (L) x 7.75" (W) x 13.0" (H) / 344mm(L) x 184mm(W) x 324mm(H)

Fuse: 2 AMP / 250V 5x20mm Fast Acting (replace only with F2AL/250 or GMA-2)

### ACCESSORIES

AC Adapter

Audio Cables

Remote Control

This Manual

Wireless Subwoofer

Batteries

Hardware: (two) #8 x 1-inch screws and (two) plastic anchors

## **PBX®USA LIMITED WARRANTY POLICY**

### **ONE YEAR LIMITED WARRANTY**

#### **ON PARTS AND LABOR**

Covers units purchased as new in the United States Only

PBX Home Audio (hereafter referred as PBX) provides a warranty to the original purchaser of a new Product against defects in the materials and workmanship for a period of one year of non-commercial usage. If a product covered by this warranty is determined to be the defective within the warranty period, PBX will either repair or replace the Product at its sole option and discretion.

To obtain warranty service, contact PBX Technical Support via email: [support@pbxhomeaudio.com](mailto:support@pbxhomeaudio.com) or via phone at (909) 930-3679 from 8:30am to 5:30pm Monday through Friday Pacific Time, or visit [www.pbxhomeaudio.com](http://www.pbxhomeaudio.com). PRE-AUTHORIZATION MUST BE OBTAINED BEFORE SENDING ANY PRODUCT BACK TO PBX. Proof of purchase in the form of a purchase receipt or copy thereof is required to show that a Product is within the warranty period.

#### **Parts and Labor**

There will be no charge for parts or labor during the warranty period. Replacement parts and Products may be new or recertified at PBX's option and sole discretion. Replacement parts and Products are warranted for the remaining portion of the original warranty or for ninety (90) days from warranty service or replacement whichever is greater.

#### **Type of Service**

Defective Products must be sent to PBX to obtain warranty service. PBX is not responsible for transportation costs to the service center, but PBX will cover return shipping to the customer. PRE-AUTHORIZATION IS REQUIRED BEFORE SENDING ANY PRODUCT TO PBX FOR WARRANTY SERVICE. Product returns to PBX must utilize either the original carton box and shipping material or packing that affords an equal degree of protection. PBX Technical Support will provide instructions for packing and shipping the covered Product to PBX.

#### **Limitations and Exclusions**

PBX's one-year warranty only covers defects in materials and workmanship. This warranty does not cover, for example, cosmetic damage, normal wear and tear, improper operation, improper voltage supply or power surges, signal issues, damages from shipping, acts of God, any type of customer misuse, modifications or adjustments, as well as installation and set-up issues, or any repairs attempted by anyone other than PBX or an authorized PBX service center. Products with unreadable or removed serial numbers, or requiring routine maintenance are not covered. This one year limited warranty does not cover Products sold "AS IS", "FACTORY RECONDITIONED" or by a non-authorized reseller.

**Please call (909) 930-3679 for PBX® USA Customer Service.** You must obtain an RA# (Return Authorization Number) to return any product to PBX. **The RA number must be prominently marked on the outside of the shipping carton or the delivery will be refused.** Return the defective product along with a copy of the original dated retail sales receipt to:

**PBX® USA, Inc., Attn: Returns (RA# \_\_\_\_\_)  
2133 S. Green Privado Ontario, CA 91761 USA**

Residents of HI, AK and US territories will be charged for return shipping. All inquiries regarding service and warranty should be sent to the above address.

**Removed or altered serial numbers will void this warranty**





PBX Home Audio Inc  
2133 S. Green Privado Ontario, CA 91761  
Tel. (909) 930-3679 Fax (909) 930-1575  
**[www.pbxhomeaudio.com](http://www.pbxhomeaudio.com)**