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# HzOTO

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USER GUIDE

Picture perfect sound.®



# WELCOME

Congratulations on your purchase of Leon’s Horizon HzOTO powered soundbar. This revolutionary speaker has been custom crafted to exactly match your TV and is powered by Leon’s high-fidelity OTO Amp. OTO powered products are purposefully designed to seamlessly integrate the highest quality amplifiers with legendary Leon Speaker technology to create picture perfect sound.

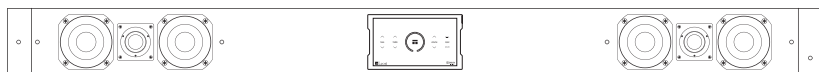
The rest of this guide will walk you through basic setup, placement and recommended usage, advanced settings and troubleshooting. If you have any questions about this, or other Leon products, please call 1-888-213-2151 or email [support@leonspeakers.com](mailto:support@leonspeakers.com).

|                               |    |
|-------------------------------|----|
| GETTING STARTED .....         | 2  |
| AT A GLANCE .....             | 3  |
| CONNECT TO YOUR TV .....      | 4  |
| ADDING A SUBWOOFER .....      | 5  |
| CONTROL .....                 | 6  |
| SPECIFICATIONS .....          | 9  |
| CARING FOR YOUR SPEAKER ..... | 10 |
| WARRANTY .....                | 11 |

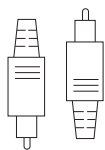
# GETTING STARTED

## WHAT'S IN THE BOX

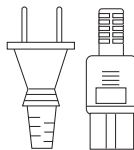
- A Leon Horizon HzOTO speaker with OTO Amp
- B Digital optical cable (TOSLINK)
- C AC Power cable
- D IR Remote
- E Micro cleaning cloth (not pictured)
- F Leon Bracket (sold separately, required to mount speaker to TV)
- G OTO-Rx Wireless Subwoofer Receiver (sold separately)



A



B



C

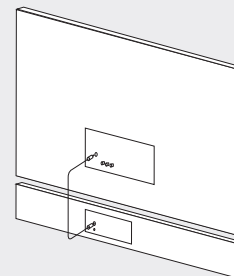


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## SYSTEM REQUIREMENTS

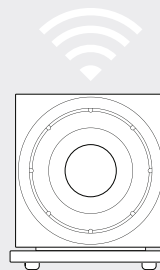
- A TV or audio source with digital optical (preferred) or analog outputs
- Any digital audio source with Dolby Digital or PCM outputs
- OTO will sense and select the proper decoding protocol

# AT A GLANCE



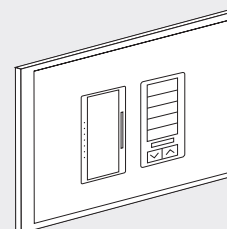
## EASILY CONNECT TO YOUR TV

To get started, simply connect OTO's optical cable to your TV.



## WIRELESSLY SYNC YOUR SUB

Add an A8 powered subwoofer to enhance your home theater experience



## INTEGRATES WITH YOUR HOME CONTROL

Connect to rear IR input and OTO will obey your commands

## CONNECT TO YOUR TV

### MOUNTING YOUR SPEAKER

Follow the instructions provided with your mounting bracket in order to securely install the speaker directly to the wall or to your TV. Be sure to allow for ample ventilation behind amplifier on back of speaker.

### CONNECTING YOUR SPEAKER TO THE TV

1. Connect the audio output from the display to the OTO Amp inputs using the included TOSLINK cable (preferred) or RCA cables.
2. Plug in the AC Power cable to the wall (OTO is self sensing for either 110V or 220V operation). **NOTE:** Connecting power will turn on the unit, so be sure to make all connections prior to providing power.
3. It may be necessary to set the TV audio output to “digital output” and turn off the internal speakers. Refer to the TV manual for more specific information.

### PLAY

1. Follow **CONTROL** instructions on page 6 to turn on unit and select appropriate input. **NOTE:** If using TOSLINK, select “**DIGITAL**”; for RCA, select “**ANALOG**”.
2. Power on your TV and make sure you are receiving a signal.
3. Adjust volume and tone as necessary (see *Control*, page 6)

### OPTIMIZING YOUR SYSTEM

1. Adjust the treble controls to enhance clarity and high frequencies.
2. Adjust the bass controls to tune the low end output to your room.  
**TIP:** The closer the speaker is to the wall, the less bass boost necessary.
3. If using a subwoofer, make adjustments after the subwoofer is placed and tuned in the room.

## ADDING A SUBWOOFER

### CONNECTING LEON'S OTO-RX WIRELESS SUBWOOFER RECEIVER

1. Plug in the wireless receiver using the power cord provided.
2. Connect the audio output of the wireless receiver into the subwoofer amplifier's audio input.
3. On the OTO AMP, press and hold the “**SYNC**” button. Within 30 seconds, press and hold the “**SYNC/CONNECT**” button on the back of the wireless receiver. While syncing, the Leon logo on the front panel will pulsate. If properly synced, after 30 seconds the Leon logo will remain lit up.

#### QUICK TIP: NEED TO REBOOT YOUR WIRELESS SYSTEM?

**STEP 1:** Unplug HzOTO and OTO-Rx wireless subwoofer receiver.

**STEP 2:** Simultaneously push and hold “**SYNC WIRELESS**” button located on OTO rear panel, and “**WIRELESS RESET**” button located on the bottom of OTO-Rx receiver.

**STEP 3:** Plug units back in, and continue to hold until the green LED appears and flashes on the wireless receiver. Once the green LED begins to blink every 2 seconds, the **SYNC/CONNECT** procedure should be followed.

### HARDWIRE CONNECTION TO A SUBWOOFER

1. Connect the subwoofer output from the back of the OTO Amp into the audio input on your subwoofer amplifier.
2. Power on your subwoofer to make sure you are receiving a signal, and make adjustments as necessary.

# CONTROL

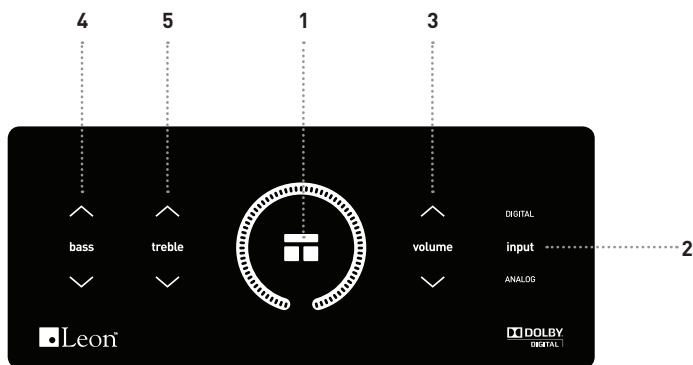
## FRONT PANEL

Your Horizon OTO features a Capacitive Touch Display to control the many functions. When programming a universal remote, see page 8.

## TOUCH DISPLAY FUNCTIONS

If your OTO function indicator is not illuminated, tap the display button on the supplied remote.

1. **HOME:** Press and hold Home for 3 seconds to turn amplifier off. Tap Home to turn on. **NOTE:** Tap Home to access other features below.
2. **INPUT SELECTION:** Tap Home, then “**Input**” to switch between Digital and Analog.
3. **VOLUME ADJUST:** The Up and Down arrows will adjust volume (volume control is always active).
4. **BASS ADJUST:** Tap Home until “**Bass**” is illuminated, then use Up and Down arrows to adjust.
5. **TREBLE ADJUST:** Tap Home until “**Treble**” is illuminated, then use Up and Down arrows to adjust.

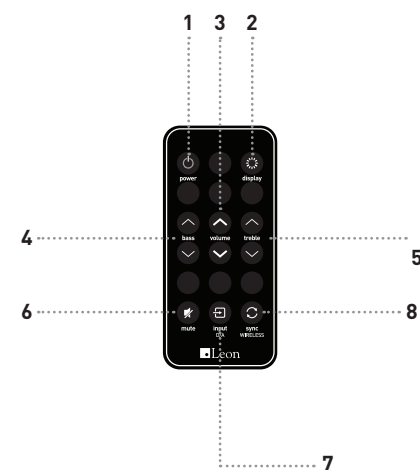


## REMOTE

Your Horizon OTO ships with a slim form factor remote to easily adjust your settings.

## IR REMOTE FUNCTIONS

1. **POWER:** Turn unit on and off. **NOTE:** Unit will go into standby after 30 minutes of no signal
2. **DISPLAY:** Select display preference: lights on, dim, off. **NOTE:** Adjustments to Volume, Bass, Treble and Input are only visible when display is on
3. **VOLUME:** Press Up and Down arrows to adjust volume
4. **BASS:** Press Up and Down arrows to adjust bass
5. **TREBLE:** Press Up and Down arrows to adjust treble
6. **MUTE:** Turn volume off
7. **INPUT:** Switch between Digital and Analog inputs
8. **SYNC WIRELESS:** Initiate wireless pairing to OTO-Rx wireless subwoofer receiver



## CONTROL (CONTINUED)

### HOME AUTOMATION

There are many ways to easily integrate Horizon OTO with your home control.

### DIRECT DRIVE IR CONTROL

To integrate with home control system, HzOTO has a 3.5mm IR input on the rear panel of the speaker. For specific information and remote codes, visit [www.leonspeakers.com/OTO](http://www.leonspeakers.com/OTO).

**STEP 1:** Connect an IR output from your controller to the IR Input on the HzOTO utilizing a 3.5mm TR direct (non-crossover) cable. It is suggested you strip the IR carrier signal for greater reliability.

**STEP 2:** Use the included remote control to teach your control system the IR codes.

**STEP 2A (OPTIONAL):** Utilize the Extended Infrared Hex Code driver for discrete controls. Visit [www.leonspeakers.com/OTO](http://www.leonspeakers.com/OTO) to download the hex commands.

### QUICK TIP: AUTOMATICALLY TURN OFF THE DISPLAY

The HzOTO provides the capability to turn the front panel display on or off. When the volume, treble, or bass functions are adjusted from the remote control, the display will automatically light up and stay lit until the user turns the display off.

**STEP 1:** Set up a boolean variable to “ON” whenever volume, treble, or bass functions are adjusted.

**STEP 2:** Set up a timer to activate when the variable is placed on. 10 seconds is a reasonable amount of time.

**STEP 3:** Send “DISPLAY” command to the HzOTO at the completion of the timer, and set the variable to “OFF”.

## SPECIFICATIONS

|                           |   |
|---------------------------|---|
| COMPONENTS                | 3" aluminum cone woofers; 1" cloth-dome tweeters        |
| CONFIGURATION(S)          | HzOTO (LR)  |
| HEIGHT                    | 4.5"  |
| WIDTH                     | Built to match TV (minimum width 38")                   |
| DEPTH                     | 1.875" (2.125" with grill and bumpers)                  |
| MATERIAL                  | MDF enclosure; optical polymer front panel display      |
| WEIGHT                    | 15-20 lbs (depending on width)                          |
| FINISH                    | Satin black (or any custom finish)                      |
| GRILL                     | Fabric grill (custom grills also available)             |
| MOUNTING                  | HzUMB-UT, HzOMB-UT, HzMMB-UT, HzTTS, Edge Media Frame   |
| AMPLIFIER                 | 100 Watts Stereo - 2 x 50W Class D                      |
| FREQ. RESPONSE            | 72Hz-22kHz (+/- 3dB)                                    |
| MAXIMUM OUTPUT            | 106 dB peak   |
| COVERAGE                  | Hor: 110°; Vert: 140°                                   |
| INPUTS                    | Digital optical; Analog (RCA)                           |
| CONTROLS                  | Input, Volume, Bass, Treble                             |
| IR CONNECTIVITY           | Front panel touch screen; IR remote; 3.5mm IR jack      |
| WIRELESS TRANSMISSION     | Triband: 2.4, 5.4, 5.8 GHz                              |
| SUBWOOFER OUTPUT          | Integrated wireless transmitter; RCA output             |
| ACCESSORIES               | Optical cable; AC power cable; remote control           |
| OTHER FEATURES            | AC Power; Dolby Digital and PCM decoding                |
| SYS. COMPATIBILITY        | Optional wireless receiver for: A8-400, A3-IW or A10-UT |
| DIGITAL SIGNAL PROCESSING | Dynamic Spectral Balance                                |

## CARING FOR YOUR SPEAKER

The Leon Horizon HzOTO speaker is finished in a high-quality polyurethane finish that provides excellent protection for the wood cabinet. To remove dust, finger prints, and light water marks from the speaker cabinet, use a soft, dry cloth. Do not use solvent.

To clean the glass display on the face of the speaker, use a microfiber cleaning cloth (provided).

## QUESTIONS?

CALL CUSTOMER SERVICE

**1.888.213.5015**

MON-FRI 8AM-6PM EST

Visit us online for product support, guides and videos

**[www.leonspeakers.com/support](http://www.leonspeakers.com/support)**



## WARRANTY

### LIMITED TWO (2) YEAR WARRANTY:

Leon Speakers ("Leon") warrants to the first end-user purchaser that this Leon product ("Product"), when purchased from an authorized Leon Dealer, will be free from defective workmanship and materials for the period stated herein. Leon will at its option and expense during the warranty period, either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent.

### EXCLUSIONS:

To the extent permitted by law, the warranty set forth above is in lieu of, and exclusive of, all other warranties, express or implied, and is the sole and exclusive warranty provided by Leon. All other express and implied warranties, including the implied warranties of merchantability, implied warranty of fitness for use, and implied warranty of fitness for a particular purpose are specifically excluded. No one is authorized to make or modify any warranties on behalf of Leon.

The warranty stated above is the sole and exclusive remedy and Leon's performance shall constitute full and final satisfaction of all obligations, liabilities and claims with respect to the Product. In any event, Leon shall not be liable for consequential, incidental, economic, property, bodily injury, or personal injury damages arising from the product, any breach of this warranty or otherwise. The right to recover damages within the limitations set forth is your exclusive alternative remedy if the limited remedy of repair or replacement fails its essential purpose.

This warranty statement gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion of implied warranties or limitations of remedies, so the above exclusions and limitations may not apply. If your state does not allow disclaimer of implied warranties, the duration of such implied warranties is limited to period of Leon's express warranty.

### YOUR PRODUCT MODEL AND DESCRIPTION: \_\_\_\_\_

### WARRANTY PERIOD FOR THIS PRODUCT:

Two (2) years from the date on the original sales receipt or invoice or other satisfactory proof of purchase.

### ADDITIONAL LIMITATIONS AND EXCLUSIONS FROM WARRANTY COVERAGE:

The warranty described above is non-transferable, applies only to the initial installation of the Product, does not include installation of any repaired or replaced Product, does not include damage to allied or associated equipment which may result for any reason from use with this Product, and does not include labor or parts to repair damage caused by accident, mishandling, disaster, negligence, improper installation, misuse (including, but not necessarily limited to, overdriving the amplifier or speaker, exposing the Product to excessive heat or cold or humidity, direct water spray or immersion), commercial use, abuse, negligence, or normal wear and tear, or from service or repair which has not been authorized by Leon. This warranty also excludes products that have had their housings opened or tampered with, products that are missing or have altered serial numbers, problems caused by using third party accessories, parts or components, and normal cosmetic deterioration caused by environmental conditions.

### OBTAINING AUTHORIZED SERVICE:

To qualify for the warranty, you must contact your authorized Leon Dealer/Installer or call Leon Customer Service at (888) 213-5015 within the warranty period, obtain a return merchandise number (RMA), and deliver the Product to Leon in suitable packaging, shipping prepaid during the warranty period, together with the original sales receipt, invoice or other satisfactory proof of purchase.



715 W. Ellsworth Road Ann Arbor, Michigan 48108 | 1.888.213.5015 | [www.leonspeakers.com](http://www.leonspeakers.com)

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