

CUSTOM  
**POWERED**  
SOUNDBAR

User Manual

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

**WARNING – TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THE SET TO RAIN OR MOISTURE.**

**IMPORTANT SAFETY INSTRUCTIONS**

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized plug. A polarized plug has two blades with one wider than the other. The wide bladed is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.

12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13) Unplug this apparatus during lightning storms or when unused for long periods of time.

14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

15) The equipment shall be used at maximum 35 degree C ambient temperature.

16) Do not open the equipment to reduce the risk of electrical shock. For safety reasons it is only allow to the opened by qualified service personnel.

17) **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. And the apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

18) The MAINS plug is used as the disconnect device and shall remain readily operable.

19) The product shall be used on open bench.

20) No naked flame sources, such as lighted candles, should be placed on the apparatus.

21) The use of apparatus in tropical and/or moderate climates.

22) Minimum distances around the apparatus for sufficient ventilation;

23) The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.

24) Attention should be drawn to the environmental aspects of battery disposal;

25) **Warning:** the apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.



	The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



L'appareil ne doit pas être exposé à des gouttes d'eau ni à des éclaboussures et aucun objet rempli de liquide, tel qu'un vase, ne doit être placé sur l'appareil.

AVERTISSEMENT - AFIN D'ÉVITER TOUT RISQUE D'INCENDIE OU D'ÉLECTROCUTION, N'EXPOSEZ PAS L'ENSEMBLE À LA PLUIE OU À L'HUMIDITÉ.

**Consignes de sécurité importantes**

- 1) Lisez ces instructions.
- 2) Conservez ces instructions.
- 3) Observez tous les avertissements.
- 4) Suivez toutes les instructions.
- 5) N'utilisez pas cet appareil à proximité de l'eau.
- 6) Utilisez uniquement un chiffon sec pour le nettoyer.
- 7) Ne bloquez pas les ouvertures de ventilation.

Installez conformément aux instructions du fabricant.

8) Ne l'installez pas à proximité de sources de chaleur telles que des radiateurs, des bouches de chaleur, des poêles ou d'autres appareils (amplificateurs compris) produisant de la chaleur.

9) Ne pas contourner le dispositif de sécurité de la fiche polarisée. Une fiche polarisée possède deux lames dont une plus large que l'autre. La grande lame est fournie pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, consultez un électricien pour le remplacement de la prise obsolète.

10) Protégez le cordon d'alimentation, surtout au niveau des fiches, des prises et des points où il sort de l'appareil, pour éviter qu'on ne marche dessus ou qu'on ne le pince.

11) Utilisez uniquement les accessoires spécifiés par le fabricant.

12) Utilisez uniquement avec le chariot, le socle, le trépied, la table ou le support spécifié par le fabricant ou vendu avec l'appareil. En le fabricant ou vendu avec l'appareil. Cas d'utilisation d'un chariot, faites attention lorsque vous déplacez l'ensemble chariot / appareil de ne pas le renverser.



13) Débranchez cet appareil lors d'orage avec foudre ou lorsque vous ne l'utilisez pas pendant des périodes prolongées.

14) Faites-le réparer et entretenir par un personnel de service qualifié. Il est nécessaire de faire réparer l'appareil lorsqu'il a subi des dommages quelconques du type suivant : cordon ou fiche d'alimentation abîmé, liquide renversé ou objets tombés dans l'appareil, exposition de l'appareil à la pluie ou à l'humidité, mauvais fonctionnement ou chute.

15) La température ambiante lors de l'utilisation ne doit pas dépasser 35 degrés Celsius.

16) Afin de réduire les risques d'électrocution, n'ouvrez pas l'équipement. Pour des raisons de sécurité, seul du personnel d'entretien qualifié est autorisé à l'ouvrir.

17) ATTENTION: Pour réduire le risque d'incendie ou d'électrocution, n'exposez pas cet appareil à la pluie ou à l'humidité. De plus, l'appareil ne doit pas être exposé au dégouttement ou aux éclaboussures et aucun objet rempli de liquide, tel qu'un vase, ne doit être posé sur l'appareil.

18) La fiche d'alimentation CA sert de principal dispositif de déconnexion et doit toujours être capable de fonctionner correctement.

19) Ce produit doit être utilisé sur une surface ouverte

20) Aucune source de flammes nue, telle que des bougies allumées, ne doit être placée sur l'appareil.

21) L'utilisation d'appareils dans les climats tropicaux et / ou modérés.

22) Distances minimales autour de l'appareil pour une ventilation adéquate;

23) La ventilation ne doit pas être gênée en couvrant les ouvertures de ventilation avec des articles tels que des journaux, des nappes, des rideaux, etc.

24) L'attention doit être attirée sur les aspects environnementaux de l'élimination de la batterie;

25) Attention: l'appareil de construction de classe I doit être raccordé à une prise secteur avec une mise à la terre de protection.



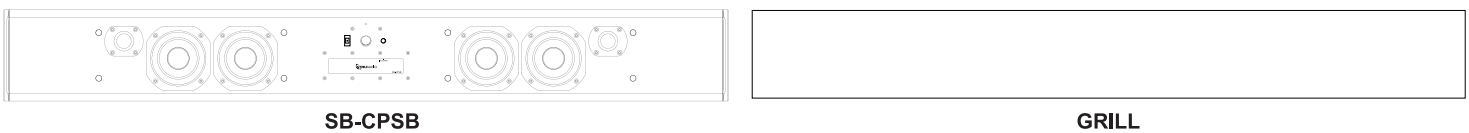
	<p>Le symbole de l'éclair avec une flèche à son extrémité, dans un triangle équilatéral, a pour but de vous avertir de la présence d'une « tension électrique dangereuse » et non isolée à l'intérieur de l'enceinte de l'appareil, qui peut être suffisamment puissante pour constituer un risque d'électrocution pour les personnes.</p>
	<p>Le point d'exclamation dans un triangle équilatéral vous avertit de l'existence d'instructions importantes de fonctionnement et d'entretien (intervention) dans la documentation accompagnant l'appareil.</p>

## Description

With TruAudio's custom length powered soundbar, television comes alive. Music and movies play louder and deeper. With built-in bluetooth, it's easier than ever to play your favorite music with TruAudio sound. The exceptionally low output makes a subwoofer optional, but the soundbar has a built-in wireless transmitter to take your bass even lower. Add any of TruAudio's subwoofers with the optional wireless sub receiver to bring the house down.

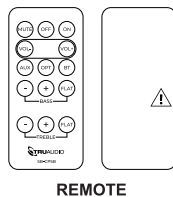
The sleek brushed aluminum body is an accent to any TV and at just 2.3" deep you can pair it with the thinnest of TVs. The soundbar is easy to use and works out of the box with volume commands from most major TV manufacturers' remotes. An IR input on the back keeps installs clean. Use the included wall bracket to mount the soundbar below your TV. ( Soundbar remote is included)

## Included:

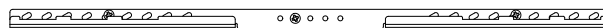


SB-CPSB

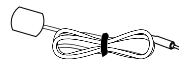
GRILL



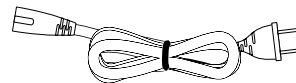
REMOTE



WALL MOUNT BRACKET

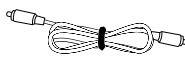


IR RECEIVER

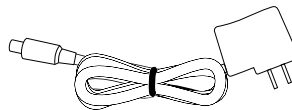


POWER CORD

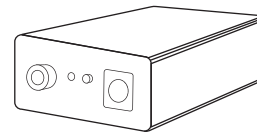
## WIRELESS SUBWOOFER RECEIVER (SB-CPSB-RX) - OPTIONAL



RCA



POWER CORD



WIRELESS SUB  
RECEIVER  
(SB-CPSB-RX)



**Slim profile:** The depth is just 2.3" from the wall to the front of the grill, this will match the slimmest of wall mounted TVs.

**Custom Width:** You can have your soundbar custom made to the width of your TV. (42.9" to 57.9" and 61.0" to 68") Note: Between 58" to 60.9" are unusable

**Wireless subwoofer receiver:** (Optional) TruAudio has designed an optional wireless subwoofer receiver to use with your favorite TruAudio subwoofers to get that extra thunderous bass to your system.

**Wall mount:** An included simple wall mounting bracket allows for easy wall mounting and hides all the cables from sight.

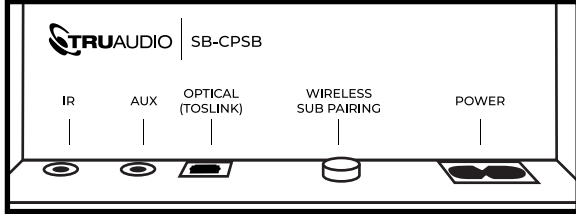
**Use any IR TV remote:** The soundbar works out of the box with most major TV manufacturers' remotes (soundbar remote included).

**Optical Toslink:** Ready to connect to your TV.

**Bluetooth audio V4.2:** Play music from your Bluetooth audio device. (device name: TruAudio-CPSB)

**Auxiliary input:** Using a 3.5mm cable, you can attach an additional audio source to your soundbar.

## Connections:



### REAR CONNECTIONS

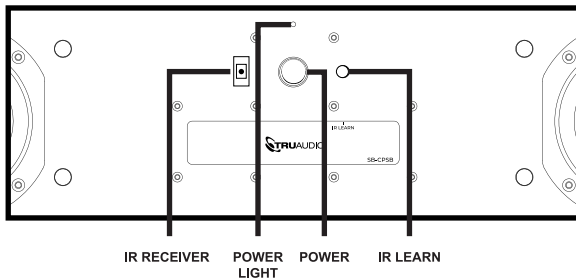
**IR Input:** Use the included IR receiver to send commands from your remote to the soundbar.

**AUX Input:** Use a 3.5mm cable to connect a TV or other audio source.

**Optical Toslink Input:** Connect your TV's audio out to this input with a optical toslink cable.

**Wireless Sub Pairing:** Use this button to connect the (optional) subwoofer wireless receiver from your TruAudio subwoofer to your soundbar.

**Power:** AC Power 110-240VAC, 50-60Hz, 85W



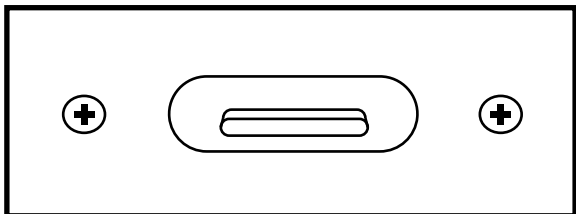
### FRONT OF SOUNDBAR

**IR Learn:** This button is used to learn your IR remote control with your soundbar

**Power:** Use this switch to power ON/OFF your soundbar. The light above the switch will light blue when on (up for ON & down for OFF).

**Power Light:** When the soundbar is powered on, the light will come on. After 5 minutes the light will turn off.

**IR Receiver:** This is where you point the IR remote control.



### BOTTOM OF SOUNDBAR

There is a clear rubber button on the bottom of the soundbar. This button is used to switch between the current input and bluetooth, and back to the last input.

## Controlling the Soundbar

### POWER:

- **Hard power switch** - The hard power switch is located on the front of the soundbar under the grill. This switch controls the master power for the soundbar. When you turn the master power on your soundbar is ready for use and the LED light will illuminate for a few minutes before going dim. If you turn the master power switch off your soundbar will not work until you turn it back to the on position.
- **Soft power buttons on the remote** - There is a power ON and OFF located on the remote which comes with the soundbar or learned on the remote you are using. If you choose to put your soundbar into low power mode immediately you can use the off button. If you turn off your audio source (ex. TV) and not your soundbar, the soundbar will go into low power mode after about 5 minutes.

## Controlling the Soundbar Continued

### VOLUME:

- **Remote** - You can use the soundbar remote or your programmed remote to raise and lower the volume of the soundbar and wireless subwoofer together. You can also use the source's (TV, CD player, bluetooth device etc...) volume controls to adjust the volume.
- **Wireless subwoofer receiver** - Once the subwoofer is paired to your soundbar you can fine tune the amount of bass for your system by adjusting the volume on the subwoofer. Now as you raise and lower your volume control the subwoofer will follow.

### INPUTS:

- **Input source** - By using the remote control, you can change to any of the three different inputs with the push of a button (Toslink, bluetooth and AUX) On the bottom of the soundbar is a rubber button. This button will switch you from your current input to bluetooth and back to the last input used.

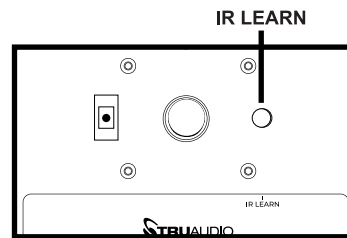
**NOTE:** All inputs are disabled while bluetooth is active.

**NOTE:** If using a Toslink (optical cable) from the TV to the soundbar and you don't hear audio, or the audio is garbled then set the audio coming from the TV or cable box to PCM stereo.

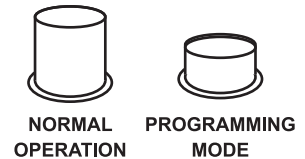
## Remote Programming

Programming will always go as followed.

- Power off
- Power on
- Mute
- Volume Down
- Volume Up



### BUTTON POSITIONS



Soundbar must be powered on.

Press the "IR Learn" button down on the front of the soundbar. A blue LED light will begin to flash.

Hold the remote that you want to program, and keep it aimed at the front of the soundbar. (Don't program in direct sunlight or a very bright room.)

1. Push POWER OFF button on your remote once (if the TV remote does not have a dedicated power off button, choose a button that will not be used from the TV remote. This is due to the fact the soundbar has discrete IR codes that can be leveraged by a universal remote or automation system.), LED will flash RED twice. Wait for 1 second, push POWER OFF again. LED will flash RED once.
2. Push POWER ON, LED will flash RED twice. Wait 1 second, push POWER ON again. LED will flash RED once.
3. Push MUTE once, LED will flash RED twice. Wait for 1 second, push MUTE again. LED will flash RED once.
4. Push VOLUME DOWN once, LED will flash RED twice. Wait 1 second, push VOLUME DOWN again. LED will flash RED once.
5. PUSH VOLUME UP once, LED will flash RED twice. Wait 1 second, push VOLUME UP again. LED will flash RED once.

Once programming is complete, the LED will return to SOLID BLUE.

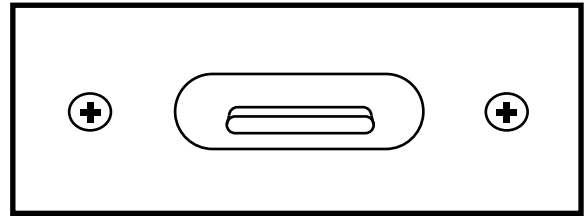
Depress Programming button (button out) . Programming is complete.



## Bluetooth Pairing v4.2

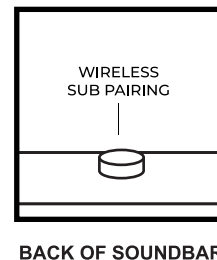
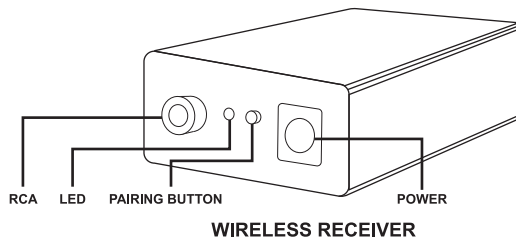
Bluetooth button located on the bottom of the soundbar.

1. Power soundbar on.
2. Change to bluetooth input with the remote or by pushing the input button located on the bottom of the soundbar. You will know when you are on the bluetooth input when you see the button flashing blue. Wait until the LED is quickly flashing BLUE.
3. On your bluetooth device (ex. phone) , ensure that bluetooth is enabled.
4. In your device bluetooth menu, the soundbar will appear as “TruAudio-CPSB” when ready to pair. If you cannot see the soundbar in the list of available devices, refresh the bluetooth device list on the mobile device and make sure no other device is connected to the soundbar
5. On your bluetooth device select “TruAudio-CPSB” You should now be paired! The usable range is approximately 100’ LOS.



**Note:** While bluetooth is turned on, Double tapping the input selection button will unpair the currently connected device. The bluetooth button will flash blue to indicate that all paired devices have been removed and the soundbar is ready to be paired with a new device.

## Wireless Subwoofer Receiver - SB-CPSB-RX (optional)



### Wireless Sub Pairing with Custom Powered Soundbar

1. Power on soundbar.
2. Power on wireless receiver by plugging the power wire into a wall outlet.
3. Wait until subwoofer pairing button on the back of soundbar stops flashing BLUE.
4. Press and hold the pairing button for 3 seconds then release.
5. Push pairing button on the back of wireless receiver for **2 seconds**, LED will begin to flash blue. Once paired LED will turn SOLID BLUE. You subwoofer is now paired.

### Connecting the wireless subwoofer receiver to your subwoofer

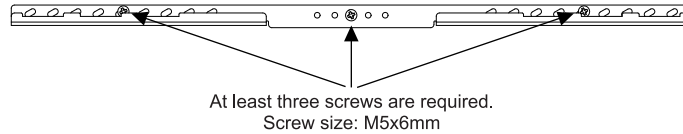
1. After pairing the receiver take the included RCA cable and attach it to the RCA out jack on the wireless receiver and attach the other end to your subwoofer.

**NOTE:** The wireless subwoofer receiver has an operational range of up to 50 ‘ (LOS). The wireless receiver must be powered by the PS1006-050HUB100 manufactured by Powertron Electronics Corp. Input: 5VDC 1.0A

## Installation

The soundbar can be mounted using the included wall mount bracket, or mounted directly to the TV using the optional SB-CUSTOM-TVB mounting bracket.

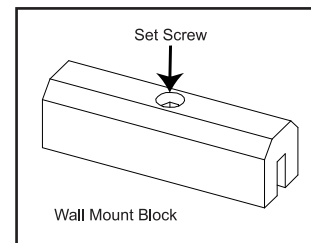
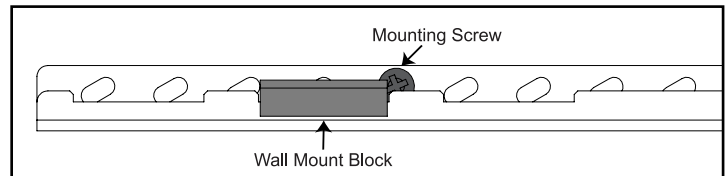
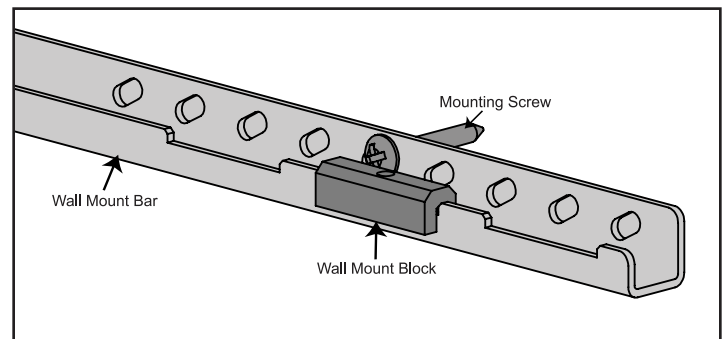
### Using the included Wall Mount



Mount the wall mount bar to the wall using appropriate screws. Make sure the bar is installed level with the TV. When installed, the top of the soundbar will sit approximately 3/8" (10mm) higher than the top edge of the wall mount bar. The bottom of the soundbar will be approximately 5.75" (146mm) below the top edge of the wall mount bar.

Place one wall mount block on either side of the bar, making sure the set screw is centered in the block prior to placing it on the bar. Each block should be placed in the recess just to the outside of the mounting screw for that side of the bar. The soundbar will rest on these blocks when installed and a wider placement gives the soundbar more stability. Placing the blocks too far from the mounting screws may allow the bar to bend.

Place the soundbar on the wall mount, taking care to not disturb the wall mount blocks. It may be necessary to level the soundbar slightly if mounted very close to the TV. If so, remove the soundbar from the mount and adjust the set screws in the blocks. Screwing the set screw further into the block will raise that side of the soundbar slightly. You should only adjust the set screw a maximum of 1/16" (1.5mm), and should never unscrew the set screw, as that could make the soundbar unstable on the mount.



### Using the optional Wall Mount - SB-CUSTOM-TVB

Refer to the instructions included with the SB-CUSTOM-TVB when mounting the custom length soundbar to a TV directly.





## **Troubleshooting**

### **Symptom**

No audio or garbled audio from the digital or analog input

### **Possible solutions**

Confirm your audio source & soundbar are powered on. Confirm the audio wires are attached to the proper output on your TV and the proper input on the soundbar. Confirm the soundbar is on the correct input. Confirm the TV's speakers are off and set the TV to send the audio out via its optical or analog wires. If using a Toslink (optical cable) from the TV to the soundbar and you don't hear audio, or the audio is garbled then set the audio coming from the TV or cable box to **PCM stereo**.

### **Symptom**

No audio from bluetooth or can't find device when attempting to pair

### **Possible solutions**

If your mobile device (or other bluetooth enabled device) cannot find the "TruAudio-CPSB", make sure that the soundbar is on and switched to the bluetooth input source. Also make sure that the bluetooth is enabled on your mobile device. If the device still does not show up, double tapping the input selection button will unpair all currently connected devices. The bluetooth button will flash blue to indicate that the last paired device has been removed and the soundbar is ready to be paired with a new device

### **Symptom**

No power

### **Possible solutions**

First make sure that the power cable is well seated in the rear panel. Then check that the power switch on the front panel is in the on position. If both of these are correct double check that there is power to the wall outlet and that the circuit breaker is not tripped. If this does not solve your problems contact TruAudio technical support.

### **Symptom**

No sound from the wireless subwoofer

### **Possible solutions**

First confirm that you are getting sound from the soundbar (see above if you are not getting sound). Next check that the wireless receiver is getting power and was linked to the soundbar. Play an audio source that has some bass, if no sound from the subwoofer then check that the RCA wire is attached to both the wireless receiver and the subwoofer. Next check the volume on the subwoofer is not off and set to a high volume (can be lowered later). Check that the crossover on the subwoofer is set around 80 to 90 Hz. Make sure the subwoofer is "ON", awake and working. If there is still no sound than go back to "wireless sub pairing" section of the manual and follow the steps to connect.

## Specifications

### CUSTOM LENGTH POWERED SOUNDBAR

Power	110-240VAC, 50-60Hz, 85W
Inputs	Toslink (optical) Bluetooth AUX 3.5mm analog
Woofers	(2) 4" carbon fiber
Passive Radiator	(2) 4" carbon fiber
Tweeters	(2) 1" titanium dome
Frequency Response	70-20kHz
Speaker Output	Internal amplifier, 2x30W
Grill Type	Magnetic cloth and aluminum
Bluetooth version	v4.2
Soundbar depth	2.3" (58mm)
Soundbar height	6.1" (155mm)
Soundbar width	Custom width (42.9"-57.9" or 61.0"-68" 58.0"-60.9" are unavailable)
Weight	19.75 LBS at full length

### WIRELESS SUBWOOFER RECEIVER

Power	5v 1.0A 5W max
Output	LFE from RCA jack
Range	Up to 50' (LOS)

\*Specifications are subject to change without notice.

SoundVision Technologies dba TRUAUDIO

## **SUBWOOFER and ELECTRONIC PRODUCT WARRANTY**

All subwoofers and amplifiers have a limited 5 year warranty. This warranty includes 5 year parts and repair labor on all components. The warranty extends only to the original purchaser of the product and not to any subsequent owner. TRUAUDIO's obligation under these warranties is limited to repairing or replacing any component found defective in material or workmanship under normal conditions of use with an equal and/or current product. These warranties shall not apply to products which have been abused, modified, or disassembled. Products to be repaired or returned under this warranty must be returned to the factory through an authorized TruAudio dealer with all transportation and insurance charges prepaid.

It is the policy of TRUAUDIO to continuously incorporate improvements into our products. All specifications are subject to change without notice. If you have any questions regarding this or any other TRUAUDIO products, please visit [www.TruAudio.com](http://www.TruAudio.com) or contact us:

Office: 1-888-858-1555, Monday-Friday 7 am - 6 pm MST.  
Email: [CustomerService@truaudio.com](mailto:CustomerService@truaudio.com)

TruAudio  
198 N Old Highway 91  
Hurricane, UT 84737 USA



## FCC WARNING

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## IC

This device complies with Industry Canada licence-exempt RSS standard(s).

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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet équipement est conforme aux limites d'exposition aux rayonnements FCC établies pour un environnement non contrôlé. Cet équipement doit être installé et exploité avec une distance minimale de 20cm entre le radiateur et votre corps.



