

# USING YOUR CS50

## Changing your baseline profile

The CS50 comes programmed with three preset listening profiles with shaped frequency responses based on the most typical amplification needs. Each preset profile has automatic level adjustments to maximize comfort and speech audibility. The CS50 is programmed to “Preset 1” at the factory. Simply press the program and volume buttons together for about a second to cycle to the next preset profile. An orange light on the back of the CS50 will flash 1, 2, or 3 times and you will hear 1, 2, or 3 high pitch tones to indicate which preset profile you are in.

**Note:** You can also use our Customizer app on your smartphone or computer to assign one of the preset profiles as your baseline profile. You can also use the app to create your own personal profile tailored to your specific needs. For more information regarding the app, please see page 17 (advanced customization section).

**Preset 1** – (Factory default setting.) Boost in high frequency range.

**Preset 2** – More boost in high frequency range compared to Preset 1 along with mild boost in mid-range frequencies.

**Preset 3** – Equal high and mid-range frequency boost as Preset 2, but with an increase in low frequency range as well.

Go to a relatively quiet environment and listen to a sound source like a television program or a person speaking with each of the three presets for some time. You should readjust the volume to a comfortable level each time after selecting a new preset. Try all three presets over the course of a few days in common listening situations like conversations and watching television in order to determine the most suitable preset profile and volume setting for your needs.

The most suitable setting is the one you need to change the least during the course of the day. The automatic adjustments within each preset profile should be able to maintain comfort and audibility without having to adjust the volume except in unusual situations.

## Getting used to your CS50

It may take some time to get used to the amplification provided by your CS50. You will hear many sounds with clarity you are not used to hearing. Ambient and environmental sounds like shuffling papers, or cutlery and dishes may be distracting at first. Your brain needs to get used to these sounds. Over the course of about two weeks the initial discomfort will fade as you become accustomed to the new palate of brighter and clearer sounds you are experiencing.

# USING YOUR CS50

## Pairing with Bluetooth devices

Pairing your CS50 to a Bluetooth device like smartphones and computers is a simple one-time operation. Your CS50 will seek and attempt to pair with Bluetooth devices for 3 minutes each time the battery is attached. After that time, if no devices have been detected, the unit will stop trying to pair and the Bluetooth transmission will be turned off.

1. Be certain the device you wish to pair with has its Bluetooth functionality turned on. (See device instructions for specific details.)
2. Attach a charged battery to the CS50.
3. Watch the device you are trying to pair with for CS50 to be detected. CS50 should appear on the screen. If asked for a pin, enter "0000".
4. Select the CS50 from list of Bluetooth devices to ensure pairing. The CS50 will beep once when the Bluetooth connection has been made. Two beeps indicate the Bluetooth connection has been lost.

**Note:** For best results the CS50 should be within 10 feet of the Bluetooth device.

## Answering phone calls

1. To answer a telephone call, press the CS50 volume button. On some phones, you may need to select the CS50 when answering a call.
2. During phone calls, the volume button can be used to control the volume of the call. Press to increase volume, push and hold to decrease volume.
3. To hang up, press the CS50 program button or end the call with the phone's controls.
4. Do not push the program button during a call. The call could be terminated.

**Note:** For best results, place phone on same side of body as CS50.

# USING YOUR CS50

## Audio streaming

The CS50 is ready for audio streaming from your smart-phone or computer. The A2DP mode can be disabled either by using the CS Customizer application or by the media audio menus on your device. The CS50 switches automatically between the personal amplification to either audio streaming once the media player in your phone or computer starts streaming audio, or to telephone to allow you to answer an incoming call. Once the call is over or the media player is turned off, the CS50 switches back to personal amplification. We recommend that you disable the dial pad touch-tones and sounds on your phone or computer for less interference with personal amplification.

## Advanced customization

For even more functions and options to personalize the performance of your CS50 please visit **[www.SoundWorldSolutions.com](http://www.SoundWorldSolutions.com)**. There you can download the free CS50 Customizer app for smartphones and computers. This app will allow you to further personalize the settings within your CS50 via Bluetooth link.

Under the “Personalize” tab of the app you can initiate an automated program that will walk you through the steps in tailoring the performance of the CS50 to your specific preferences.

The “Profiles” tab allows you to select one of the three preset profiles, or a personal profile developed by the automated program mentioned above.

The “Equalizer” provides sliders to adjust the individual settings for treble, mid, and bass frequencies for a customized user experience. There is also a slider to adjust the volume, similar to the volume button on the CS50.

# CARE AND CLEANING



To maintain optimal performance of your CS50, please adhere to the following precautions:

- DO NOT get water or other liquids on or in the earpiece.
- DO NOT wear the CS50 while swimming, showering, out in heavy rain, or in a moist environment.
- DO NOT wear the earpiece without an ear tip attached.
- DO NOT use solvents or liquids on the CS50.
- DO NOT sleep with the CS50 on.
- DO NOT leave the CS50 or charger in direct sunlight or excessive heat.
- Remove the CS50 when applying cosmetics, perfume, aftershave, hairspray, lotion, or any other product that might get into the earpiece.
- Remove the CS50 during strenuous physical activities, like working out.
- Keep the CS50 and charger clean and dry.

A cleaning tool is included with your CS50. It is recommended that you use the wire loop at the end of this tool to remove any wax buildup from the ear tip and nozzle at least once per week. Clean the outside surfaces of the CS50 periodically by wiping with a soft dry cloth. Never use solvents or liquids to clean any part of the CS50.

Additional ear tips and replacement batteries can be purchased online at [www.SoundWorldSolutions.com](http://www.SoundWorldSolutions.com) or by calling **1-855-792-0117**.

# APPENDIX

## TROUBLESHOOTING

### No sound coming from CS50

- Be certain battery is attached properly
- Confirm the battery is charged
- Remove any wax that may be blocking the ear tip or nozzle

### Sound is muffled or garbled

- Check that the ear tip is mounted to nozzle correctly
- Remove any wax that may be blocking the ear tip or nozzle
- Adjust volume setting
- Try a different preset or environmental setting
- If using as Bluetooth headset, be certain you are within 10 feet of the device

### Battery is not charging

- Be certain the charger kit is completely assembled
- Be certain the charger is connected to a power source (blue indicator lights)
- Be certain battery is properly mounted to charging station (red indicator lights)

### CS50 is not pairing with my phone

- Be certain Bluetooth is turned on in the phone
- Pair the device within the 3 minutes of powering up the CS50
- Ensure that CS50 is selected as active device on the phone
- Use CS50 within 10 feet of phone

# APPENDIX

## WARRANTY

### Limited Warranty

Sound World Solutions will repair or, at Sound World Solutions' option, replace any CS50 Bluetooth Personal Sound Amplifier (the "Product") if in Sound World Solutions' opinion it is defective in materials and/or workmanship. This limited warranty is in effect for one year from the purchase date by the end-user of the Product (the "Customer"). Sound World Solutions' liability shall be limited to the cost of the affected part or parts. All shipping, taxes and other costs are the Customer's sole responsibility.

This warranty is made only to the Customer and is non-transferable. To make a warranty claim, the Customer must provide Sound World Solutions with proof of purchase, and then receive a Return Merchandise Authorization (RMA) number and ship the Product to Sound World Solutions. After receipt, Sound World Solutions will inspect the Product at its facility for the claimed defects and, if found to be defective when purchased, Sound World Solutions will replace the Product or refund the purchase price within 30 days. Replacement parts or products are warranted only for the original warranty period. Sound World Solutions will not make any refunds or exchanges without prior authorization.

## WARRANTY

### Exclusions

This limited warranty: Covers only the Product and its battery pack, and does not cover any other accessories, goods or services; is effective only if the Recommended Usage Instructions are followed and the Product is used properly and only for its intended purpose; does not cover damage that Sound World Solutions determines to have been caused by normal wear and tear, or by misuse or use of the Product for other than its intended purpose; does not cover any non-conformity, damage or defect attributable to modification or repair of Products not authorized by Sound World Solutions and does not cover damage caused by accident, acts of God or event of force majeure, negligent or intentional misuse, alteration or damage, or to any Products that have not been properly handled, stored or used after delivery to the Customer.

### Exclusive Warranty

This Limited Warranty is Sound World Solutions' exclusive warranty regarding the Product. This Warranty may not be modified, altered or amended and Sound World Solutions does not authorize and will not be bound by any other warranties or representations regarding the Product by its representatives, employees, agents or others. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. SOUND WORLD SOLUTIONS DOES NOT MAKE ANY EXPRESS OR IMPLIED WARRANTY REGARDING THE PRODUCT, AND EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE.

# APPENDIX

## WARRANTY

### Limitation of Liability

Under no circumstances will Sound World Solutions have any liability or obligation whatsoever for consequential, indirect, incidental, special or punitive damages, including damages for loss of profit, damage to property or personal injury (including loss of consortium), whether based on contract, tort (including negligence and strict liability) or otherwise. Sound World Solutions' only obligation and Customer's exclusive remedy shall be limited to repair or replacement of the defective Product subject to the terms of this limited warranty. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM JURISDICTION TO JURISDICTION. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU.

### Dispute Resolution

SOUND WORLD SOLUTIONS AND CUSTOMER HERETO HEREBY ABSOLUTELY, IRREVOCABLY AND UNCONDITIONALLY WAIVE, TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, ALL RIGHT TO TRIAL BY JURY OF ANY CLAIM OR CAUSE OF ACTION BASED UPON OR ARISING OUT OF OR RELATING TO THIS LIMITED WARRANTY IN ANY ACTION, PROCEEDING OR OTHER LITIGATION OF ANY TYPE BROUGHT BY SOUND WORLD SOLUTIONS OR CUSTOMER AGAINST EACH OTHER WHETHER WITH RESPECT TO CONTRACT CLAIMS, TORT CLAIMS, OR OTHERWISE.

## IMPORTANT INFORMATION

**⚠ Warning:** To reduce the risk of electric shock, do not remove cover. No user serviceable parts inside. Refer servicing to qualified personnel.

**⚠ Warning:** To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. The CS50 should not be exposed to dripping or splashing. No objects filled with liquids should be placed on the CS50.

### ⚠ 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 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. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. 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.

# APPENDIX

## IMPORTANT INFORMATION

### Bluetooth

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Sound World Solutions is under license. Other trademarks and trade names are those of their respective owners.

### General Warnings

If you have or think you may have any one of the following symptoms, do not use this product until you have consulted a physician:

- History of excessive wax build-up
- Pain or discomfort in the ear
- Fluid or drainage from the ear within the past 90 days
- Ear canal blockage, a lasting ear infection, or a plugged up fullness feeling
- Visible deformity of the ear
- Sudden, rapid progressing, or fluctuating hearing loss within the past 90 days
- Chronic difficulty hearing
- Ringing in only one ear
- Hearing loss only in one ear that worsened in the past 90 days
- Spells of acute or chronic dizziness

Pacemakers and defibrillators can be sensitive to magnetic fields. Do not place CS50 earpiece or batteries in a shirt pocket or near your pacemaker or defibrillator.

Keep all parts of the CS50 earpiece and charger kit away from children under the age of 3. These components contain small parts that may present a choking hazard.

## IMPORTANT INFORMATION

### Industry Canada Regulatory Information

Operation of this device 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. See RSS-GEN 7.1.5.

### FDA Note on Personal Sound Amplifiers (PSAPs)

PSAPs are intended to amplify environmental sound for non-hearing impaired consumers. They are not intended to compensate for hearing impairment. Examples of situations in which PSAPs typically are used include hunting (listening for prey), bird watching, listening to lectures with a distant speaker, and listening to soft sounds that would be difficult to hear (e.g., distant conversations, performances). Because PSAPs are not intended to diagnose, treat, cure or mitigate disease and do not alter the structure or function of the body, they are not devices as defined in the Food, Drug and Cosmetic Act. As such, there is no regulatory classification, product code, or definition for these products. Furthermore, there are not requirements for registration of manufacturers and listing of these products with FDA.

However, PSAPs are subject to applicable provisions of the Radiation Control for Health and Safety Act of 1968, under which FDA regulates electronic products that emit sonic vibrations, such as sound amplification equipment. (See also 21 CFR 1000.15.) Manufacturers of PSAPs must report defects and adverse events and take other measures described in 21 CFR Part 1003. Manufacturers of PSAPs must also comply with requirements to repurchase, repair, or replace electronic products required under 21 CFR Part 1004.

## IMPORTANT INFORMATION

### FCC Information

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.

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

Users are not permitted to modify or make changes to the device in any way. Changes or modifications not expressly approved by Sound World Solutions could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-003.

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.

Cet appareil numérique de la Classe B est conforme à la norme NMB-003 du Canada.

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.

### General Specification

Bluetooth Specification	Bluetooth V4.0
Supported Profile	A2DP, HSP, HFP, SPP, GATT
Rx. Sensitivity	-90dBm
Battery	3.7V, 130mAh Li-Polymer
Low Power Current (Sniff Mode)	9mA (Avg)
Standby Time (Sniff Mode)	10 hr
Talking Time	Up to 3.5 Hr
Playing Time	Up to 4 Hr
Operating Humidity	5% - 80% RH
Operating Temperature	-20oC ~ 50oC
Storage Humidity	80% RH
Storage Temperature	-20oC – 80oC