

Aura SoHo Plus™ Conference Phone



USER GUIDE

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Thank you for choosing the Aura SoHo Plus™ Full Duplex Conference Phone, providing full featured, high performance conferencing for small office and home office environments.

THE AURA SOHO PLUS™ CONFERENCE PHONE FEATURES:

Full duplex communication- Now you can have simultaneous two way conversations.

360 coverage - Four built-in microphones provide 360 coverage so all participants can be heard clearly from anywhere in the room.

Total of 5 Microphones - the Aura SoHo Plus™ Conference Phone has input jacks for use in larger rooms, includes an RCA output jack so conference calls can be recorded, and has a connection for a separate handset phone to allow private conversations.

ConferenceNow™ “Hot key” operation - A conference call can be accomplished by the push of just one button, instead of having to enter all the digits every time you make a conference call. Your meetings are only one touch away.

Optional Modules - Your Aura SoHo Plus™ Conference Phone comes standard with analog line connectors. But you can purchase separate plug-in modules for Digital (PBX) and Bluetooth® access.

Convenient controls - the keypad provides control keys for volume, mute, redial, and “flash” (giving you instant access to three-way conferencing).

Package Contents

1. Aura SoHo Plus™ Conference Phone
2. Wall Adapter
3. Phone Cable
4. Main Cable
5. 6' Power Cord
6. Warranty/Registration Sheet
7. External Microphones



Aura SoHo Plus™
Conference Phone



Wall Mounted
Adapter and
Power Supply



Phone Cable



Main Cable



6' Power Cord



External Microphones



BUTTONS

1. Power On/Off
3. Mute
4. Flash
5. Redial
6. Volume Up/Down
7. Conference
8. Hold

LEDs

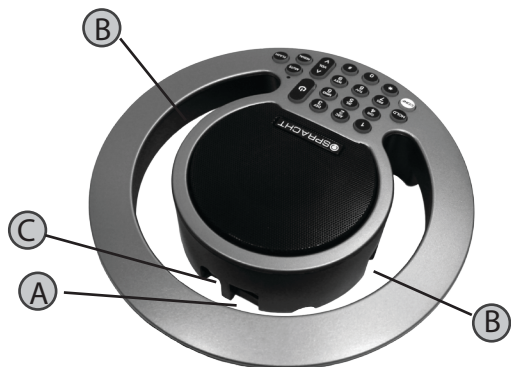
2. Mic Mute - Red

Microphone locations

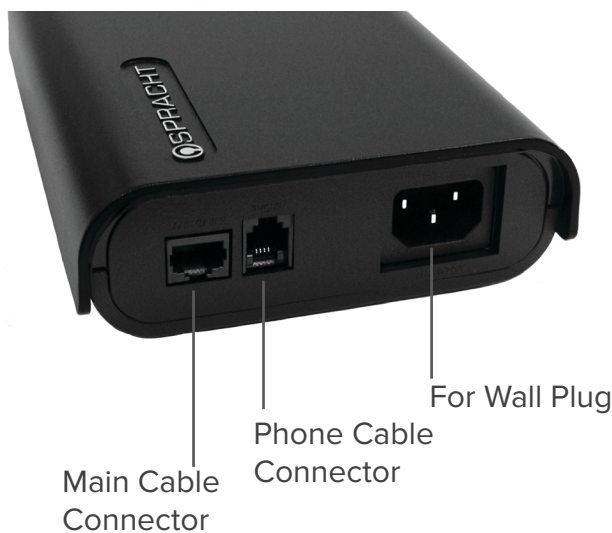


CONNECTORS

- A. Main Cable
- B. External Microphone Connector
- C. RCA jack port for recoding or monitoring



Wall Adapter



Back of Wall Adapter



The Aura SoHo Plus™ Conference Phone is an electrical product. As with any electrical product, observe reasonable precautions to avoid risk of fire or electrical shock.

- Do not use this product near water, such as near a sink or bath tub, or in a wet area, such as in a wet basement.

Caution: This product is for indoor use only.

- Do not use a telephone during an electrical storm; there is some risk of electrical shock from lightning.
- Do not use this conference phone near a gas leak or vapors that could be ignited.
- Follow the instructions in this user guide.

Setup Tips

Choose an appropriate location for the Aura SoHo Plus™ Conference Phone.

- Use the conference phone in an environment as free from background noise as possible.
- To minimize echoes, position the conference phone at the center of the room, or, at least, away from walls.
- Avoid items that could cause noise or acoustic interference.
- For convenience, the Wall Adapter has mounting holes on the back of the unit so you can mount it on the wall. The Main Cable plugs into the Wall Adapter and the Aura SoHo Plus™ Conference Phone. The Phone Cable connects the Wall Adapter and the Phone Jack on the wall. Position the Wall Adapter appropriately for all the cabling and the connectors.

Setting up the Aura SoHo Plus™ Conference Phone

1. Plug the power cord into the Wall Adapter.



2. Insert the power supply plug into an available electrical outlet.
3. Connect one end of the included phone cable into the



Phone Connector port on on the Wall Adapter.

4. Connect the other end of the phone cable into a telephone phone jack located, for example, on the wall.

IMPORTANT: Do not plug the Aura SoHo Plus™ Conference Phone into a digital phone network or it may damage the unit. You will need a Digital Phone Adapter Module in

order to use the Aura SoHo Plus™ Conference Phone with a PBX, available for purchase on our website, www.spracht.com.

5. Connect one end of the included Main Cable into the Main Cable Connector port on on the Wall Adapter.

IMPORTANT: Please use only the cable provided. The Main Cable is different from a network cable. Using an incorrect cable will cause the Aura SoHo Plus™ Conference Phone to malfunction.



6. Connect the other end of the Main Cable into the Main Cable Connector jack on the Aura SoHo Plus™ Conference Phone.
7. Attach Wall Adapter to the wall or a desk, using the included screws or adhesive strips, if necessary.
8. Place the Aura SoHo Plus™ Conference Phone in the center of a conference table or a desk free from obstructing materials.
9. You are now ready to make calls. Press the Power On/Off button for a dial tone and dial a number to make a call.

Setup for VoIP Analog Adapter boxes

IMPORTANT NOTICE: The Aura SoHo Plus™ Conference Phone has echo and noise cancellation which is optimized for ANALOG telephone lines (land lines). If you have a standard Analog phone line, the instructions on this sheet do not apply to you. Please proceed to page 10, Using the Aura SoHo Plus™.

However, if your phone service is through a VoIP ANALOG ADAPTER, you will have to modify the settings on the Aura SoHo Plus™ Conference Phone to maintain the call quality and use the proper echo and noise cancellation settings. If you have a VoIP Analog Adapter, your service could be from one of the following providers and have the following plan names:

Lingo - (Using a Linksys VoIP adapter) - Hello World Unlimited, Hello America Unlimited, Hello America 500, Hello America 250, Talk 365, Business Value Plan, Business Plus Plan, Business Premium

Vonage - (Using a D-Link VoIP adapter) - Residential Premium Unlimited, Vonage Pro, Residential Basic 500 Minutes, Small Business Premium Unlimited Plan, Small Business Basic 1500 Minutes



AT&T - (Using an AT&T VoIP adapter) - U-verse, Business in a Box, AT&T Voice DNA, AT&T IP Flexible Reach

Comcast Cable - (Using a VoIP phone adapter) - Comcast Unlimited, Local with More, Comcast HD Double Play, Comcast HD Triple Play, Comcast Digital Voice



If you think you might have a VoIP Analog Adapter but aren't sure, please contact your provider. If you still need help, call Spracht directly for assistance at 650-215-7500.

To modify the settings on the Aura SoHo Plus™ Conference Phone for a VoIP Analog Adapter Box

1. After you have followed the set up steps 1 through 6 on the previous pages (6 and 7), the unit will be ready after you hear the two tones.

2. Confirm the Aura SoHo Plus™ Conference Phone is connected properly by pressing the Power button . The keypad back light will go on and you will hear a dial tone. Wait for 5 seconds, then press the Power button  again to turn OFF the unit.
3. Next, you will be changing the Aura SoHo Plus™ Conference Phone setting to VoIP mode. The unit should be in On Hook state, which means no dial tone, and the keypad back light will be off. Press these keys on the keypad: 1, 0, 1. The keypad backlight will go on and two tones will sound. Wait about 5 seconds; the keypad light will go off and then flash once. The unit is now switched over to VoIP mode and will stay in that setting the next time you turn the phone on.
4. You can now follow the User Guide instructions for making a call (page 10).


To change back to Analog Phone line mode

You will need to reset the internal counter again. Press the Power button . The keypad back light will go on and you will hear a dial tone. Wait for 5 seconds, then press the Power button  again to turn OFF the unit.



The Aura SoHo Plus™ Conference Phone should be in On Hook state, which means no dial tone, and the keypad back light will be off. Press these keys on the keypad: 1, 0, 0. The keypad backlight will go on and two tones will sound. Wait about 5 seconds; the keypad light will go off and then flash once. The unit is now switched back to Analog phone line and will stay in that setting the next time you turn the phone on.




TO MAKE A CALL

Press the Power Button  to turn on the Aura SoHo Plus™ Conference Phone, then enter the phone number for your call.

ADJUST SPEAKER VOLUME

Press the Volume Up  or Volume Down  button to adjust the speaker volume.

ANSWER A CALL

Press the Power Button  when the Aura SoHo Plus™ Conference Phone rings.


END CALL

Press the Power Button  to end a call.

REDIAL

Press the REDIAL button to call the last number dialed.

PLACE CALL ON HOLD

Press the HOLD button to place a call on hold. The bottom indicator light near the Power Button  will blink when on hold. Press the HOLD button again to resume the call.

MICROPHONE MUTE

Press the MUTE button to turn off the microphones in the Aura SoHo Plus™ Conference Phone. The red indicator light

above the MUTE button will be on when muted. While in MUTE mode, you will be able to hear the other end of the call, but they will not hear you. Press the MUTE button again to resume speaking to the caller(s). The red light will go out.

CONFERENCE NOW

The patented ConferenceNow™ button allows for you to press one button to connect with the Conferencing Service.

FLASH

The FLASH button is for three way conferencing. It allows you to put your first caller on hold while dialing the second number. Dial your first number normally. When the person is on the line, press the FLASH button and you will hear a second dial tone. Dial the second number. When that person is on the line, press the FLASH button again and all three of you will be on a conference call.

RINGER VOLUME

There is no way to completely turn off the ringer, but the volume can be adjusted using the procedure below.

1. While the unit is OFF, press the REDIAL button.
2. Hold it down for 5-10 seconds until the keypad lights up.
3. Continue to hold for another 3 seconds, until the keypad starts to flash.
4. Release the REDIAL button. The Aura SoHo Plus™ Conference Phone will ring once. You can now adjust the volume.
5. Press the Volume Up and Volume Down key to adjust the volume.
6. Once you have your desired ringer volume, press the HOLD key. This saves the volume level into memory and returns the Aura SoHo Plus™ Conference Phone to OFF mode.

Reprogram Conference Number

The Aura SoHo Plus™ Conference Phone comes preprogrammed with the number for Spracht's conferencing service provider. If you decide to use this service, all you have to do is press the CONF button to make a conference call. The Conference Center's number is the factory default.



If you already have your own conferencing service, you will have to reprogram the CONF button to the number of your service if you want to make one touch conference calls.

In the reprogram mode, only the buttons with the outlines will be active.

CONF- starts the programming process

FLASH- will restore the factory default Conference Center Number

MUTE- allows you to exit the process without saving

HOLD- will save the new Conference Center Number and exit the program mode

0-9, *, #- allows you to enter the new Conference Center Number

To reprogram the number, start with the Aura SoHo Plus™ Conference Phone in “On Hook” (the phone is ready to receive calls). To place the Aura SoHo Plus™ Conference Phone in reprogram mode, press and hold the CONF button

for 10 seconds. After 5 seconds, the backlight will come on; when the backlight starts flashing, you may release the CONF button.

Enter the new Conference Center Phone Number. The maximum number of digits you can enter is 16, the minimum is 3. This number will be stored in memory.

Press the HOLD button, and the number will be stored. The next time that you press the CONF button, the number you entered will be dialed automatically.

If you want to exit without saving the new number, press the MUTE button, and you will return to normal “On Hook” phone operation.

If you ever want to return to the factory default number, press the FLASH button. Any custom number that was previously entered will be erased, and you will exit and return to normal “On Hook” phone operation.

Exceptions: If you try to enter more than the maximum number of digits, the backlight will flash 4 times and no additional numbers will be accepted.

There is a 5 minute built in timer for entering the new number. If the 5 minute limit is reached, the process will exit automatically and no data will be stored. The phone will return to normal “On Hook” operation.

The FLASH button

The FLASH button allows you to dial a number and when that party comes on the line, you can put them on “Hold” by pressing the FLASH button, and dial a second number. When the second party comes on the line, you press the FLASH button again to have both parties on the line for a three way conference call.

There is a Region Code that must match the area of the world where you use the conference phone. The Region Code is preset at the factory. However, if your FLASH function doesn’t work as stated in the User Guide, please call your local Service Center or Spracht directly. A Customer Service representative will be able to advise you on how to modify this code, if necessary.

INSTRUCTIONS FOR REPROGRAMMING THE FLASH BUTTON FOR INTERNATIONAL USE

Where the Aura SoHo Plus™ Conference Phone is “based” outside of North America

Changing the region code is not recommended for end users. This procedure is either completed in Manufacturing prior to shipment, or best done by a Service Center or trained Technician.

The Aura SoHo Plus™ Conference Phone has a button labeled FLASH. This is used for three way conference calling. To enable this function, you call the first party that you want on the conference call. You then press the FLASH button. This creates a pause on the line for a specified period of time, which puts the party on hold and allows you to call the second party. When the second party is connected, and you press the FLASH button again, all three parties are on the line together. It is the specified timing for the pause which varies by region. Outside of North America, this region code must be modified in order to make the three way calling function operational.

Region Codes		Number key to enter
North America -	region 1	1 (default setting)
Europe -	region 2	2
Australia -	region 3	3
New Zealand -	region 3	3
Japan -	region 4	4
China -	region 5	5
Asia -	region 6	6
South America -	region 7	7
Africa -	region 8	8
Not Active, TBD -	region 9	9



In Region Code programming mode, only the circled keys are active.

Keypad Function Description

FLASH button - Start the reprogramming process

HOLD button - End the reprogramming process

Number keys 1-9 - Region codes 1-9

Reprogramming Procedure

1. With the Aura SoHo Plus™ Conference Phone in the On Hook state, meaning off, press the FLASH button and keep holding it down for 5 seconds. The keyboard backlight will come on and stay on. Keep holding the FLASH button for another 5 seconds until the keyboard backlight begins to flash. Release the FLASH button.
2. Enter the correct region code number based on your location on the keypad. Only numbers from 1 to 9 will be accepted and only the last number entered will be stored.
3. Exit the entry process. Press the HOLD button and the new region code will be stored. If no number has been entered, the region code will not be changed.

The process times out after 5 minutes. If no data has been entered in that time, the Aura SoHo Plus™ Conference Phone will automatically revert to normal operation. No data will be stored.

SPECIFICATIONS

Aura SoHo Plus™ Conference Phone

Order Information: Part Number CP-2018

Features

Certifications: FCC part 68, UL, CE, VCCI, A-TICK, RoHS compliant

Telephone connection: Analog PBX or standard analog PSTN line

Digital PBX Modules: Available, support 100s of PBXs

Microphone: 3 Noise cancelling 360° coverage, 44 dB \pm 4 dB sensitivity, 200 Hz- 3.3 kHz

Speaker/Amplifier: Output >95 dB at 5 watts,

Bandwidth 200 Hz - 3.3 kHz

Operating Temperature: 32-122° F (0-50° C)

Storage: Temperature: -20-85 degree C

Controls and Interfaces


Buttons:

Power, 0 to 9 number keys, * and #, Volume Up/Down, Mute, Redial, Flash, Hold, Conference Now™

LED Indicators:

Power, Mute On

Operating Mode:

Full Duplex with noise and echo cancellation, using  SOUND CLEAR[®] DSP from Acoustic Technologies

Electrical Specifications

Power: 100~240V AC 1A Max 50~60Hz

Microphone Sensitivity: 44 dB \pm 4 dB, 200 Hz- 3.3kHz

Loudspeaker Volume: >95dB at 5 watts, Bandwidth 200 Hz- 3.3 kHz

Certifications: FCC part 15 Class A, UL, A-Tick, Canadian, VCCI, RoHS

Physical Specifications

Aura SoHo Plus™: 8" (20.3cm) dia. x 1.5" (3.81 cm) height

Weight: 1 lb. 10 oz (740 gm)

Inputs/Accessories

Connection Input: RJ-11 for phone; Main Cable for Aura SoHo Plus™ Conference Phone to Wall Mounted Adapter; RJ22 4 pin for external microphone; Multi-pin connector for optional Adapter Modules (Digital, Bluetooth®), RCA connector for monitoring or recording

Included Accessories: AC Wall Mounted Adapter, 6' (1.83m) cord; RJ-11 phone cord 6' (1.83m); Main Cable 16' (4.87m)

Optional Accessories for Accessory Bay:

Bluetooth® Module, PBX for Digital Phone Systems

Spracht Limited Warranty Policy

All information is believed to be reliable, however specifications are subject to change without notice.

Spracht warrants its products against defects or malfunctions in material and workmanship under normal use and service, with the exceptions stated below. This warranty lasts for one year from the original date of purchase. Coverage terminates if you sell or otherwise transfer the product. In order to keep this warranty in effect, the product must have been handled and used as prescribed in the instructions accompanying the product.

Spracht shall (at its option) repair or replace a defective unit covered by this warranty, or shall refund the product purchase price. Repair, replacement with a new or reconditioned unit, or refund, as provided under this warranty, is your exclusive remedy. This warranty does not cover any damages due to accident, misuse, abuse, or negligence. Spracht shall not be liable for any incidental or consequential damages. Some states do not allow limitation or exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Implied warranties of merchantability and fitness for a particular purpose are limited in duration to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. To make a warranty claim, the purchaser must obtain a return authorization number (RA) from Spracht (serial number and purchase date required), and then return the product to Spracht at purchaser's expense. A copy of the original dated receipt or shipping document must accompany the product. To obtain a return authorization, see "Warranty" on our website at www.spracht.com, send an e-mail to info@spracht.com, or contact us at:

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For repair or replacement of a failed product, allow 4 to 6 weeks for processing and shipment.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

FEDERAL COMMUNICATIONS COMMISSION STATEMENT

Interference Statement

This device complies with Part 15 of the FCC Rules. Operation of this device 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.

NOTE: This device 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 device and the receiver.
- Connect the device 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.

Caution: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

RF Exposure warning

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separating distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

Part 68 Information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the underside of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The Ringer Equivalence Number (REN) is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming

call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e.g., 03 is a REN of 0.3).

If the Aura SoHo Plus™ Conference Phone causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify you as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of this equipment. If this happens, the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

The Aura SoHo Plus™ Conference Phone is not intended to be repaired by the user. If you experience any trouble with your Aura SoHo Plus™ Conference Phone, please contact Spracht at +1 650-215-7500, or at www.spracht.com for repair and/or warranty information. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of the Aura SoHo Plus™ Conference Phone does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

NOTE: It is highly recommended that the Wall Mounted Adapter be plugged in to a surge arrester, rather than directly into the wall plug. Telephone companies report that electrical surges, typically lightning transients, are very destructive to customer terminal equipment connected to AC power sources. This has been identified as a major nationwide problem.

Optional Accessories

Bluetooth® Module

CP-2016-004

Plugs into the Aura SoHo Plus™ Conference Phone Accessory Bay so you can use your cell phone to make conference calls.



Digital Adapter Module

CP-2016-003

Plugs into the Aura SoHo Plus™ Conference Phone Accessory Bay, so you can connect to your office digital PBX phone system.



All Accessories are available from our website: **www.spracht.com**



Accessory Bay