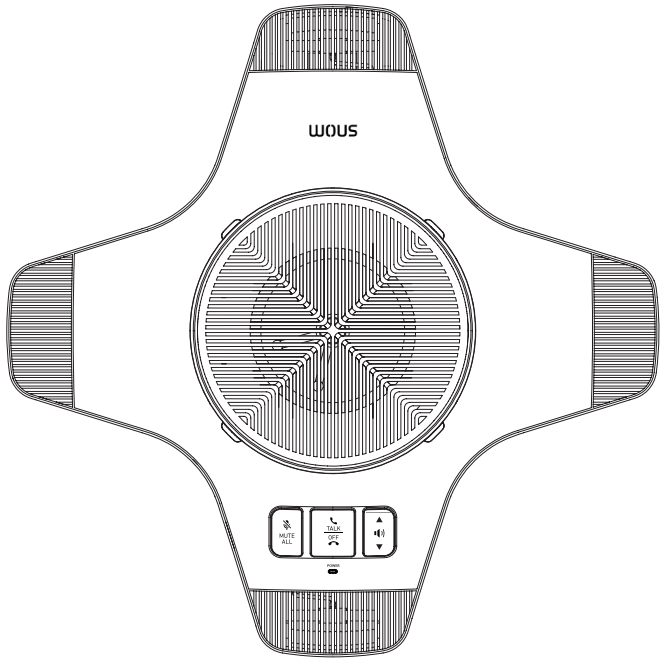


snom



C52-SP

DECT Expansion Speakerphone

Quick Installation Guide

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C52-SP

DECT Expansion Speakerphone

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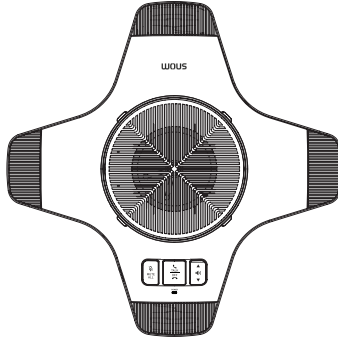
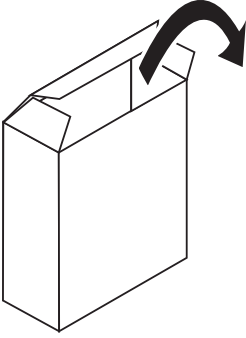
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Important Information

Please read the instructions on safety and disposal and on how to set up and use the device before using it and also give them to other users to read or inform those users of their contents. Save this manual and do not give the device to third parties without it.

Parts checklist

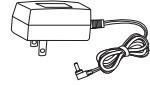
Your product package contains the following items. Save your sales receipt and original packaging in the event warranty service is necessary.



Wireless Speakerphone



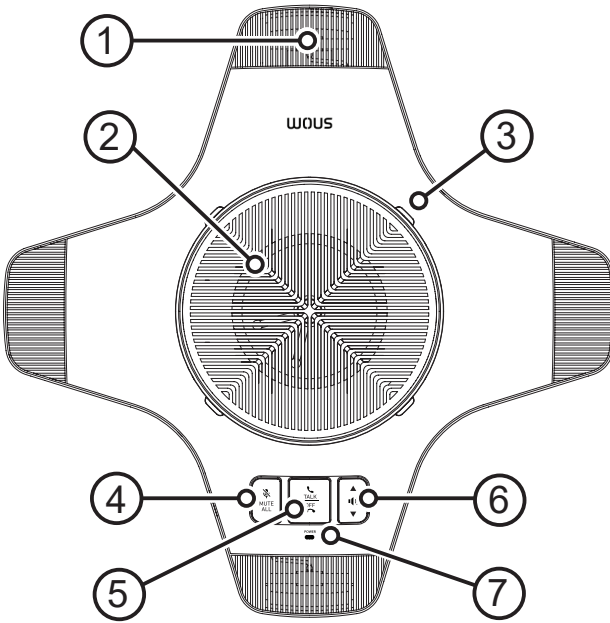
Battery



Power Adapter

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Speakerphone Layout




Not shown: REGISTRATION button on underside.


- Press and hold to enter registration mode (if the speakerphone becomes deregistered).


① **Microphone (four)**

② **Speaker**

③ **Multipurpose LEDs (four)**

④  **MUTE ALL**
During a call, press to mute or end mute all microphones in the system.

⑤  **TALK OFF**
Press to answer or end a call.

⑥  **Volume Control**
• Press to adjust the ringer volume.
• During a call, press to adjust the listening volume.

⑦ **Charge LED**
• On when charging
• Off when charging is complete
• Flashes when battery is low

Status Indicators – LED color and behavior

RED and GREEN (alternating)	Flashing	Ready for registration
GREEN	On for 5 seconds	Successfully registered
	Steady	Call Active, speaker on
	Flashing	Incoming call
	Slow Flash	Page'd by base
RED	On for 5 seconds	Registration failed
	Steady	Microphone muted
	Slow Flash	Out of range, deregistered
ORANGE	Steady	Reset mode
	On for 5 seconds	Power on

Install the battery



- Risk of explosion! Batteries should not be exposed to excessive heat such as bright sunlight or fire.
- Use only the supplied battery.

1. After removing the battery door, plug the battery connector securely into the socket inside the battery compartment.
2. Place the battery into the battery compartment.
3. Attach the battery door until it clicks into place.

Connecting power to the C52-SP

1. Plug one end of the AC adapter into the power jack on the bottom of the unit.
2. Route the cord through the slots.
3. Plug the large end of the AC adapter into a wall outlet not controlled by a switch.



- The supplied power adapter is designed for use with only the C52-SP. It is not designed to power other devices. Do not connect the supplied power adapter to any other devices.
- The AC power cord is intended for a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling or cabinet outlet.

Register the C52-SP

You can register the C52-SP DECT Expansion Speakerphone to a C520 SIP Conference phone, C620 SIP Wireless Conference Phone, or a A230 USB DECT Dongle.

If your organization uses DECT auto registration:

The C52-SP will automatically register to the DECT device. You do not need to take any further action.

If your organization does NOT use DECT auto registration (or if you are not sure):

You must first turn off auto registration by performing the following steps:

1. Press and hold the **MUTE ALL** button on the C52-SP for five seconds.
2. Press and hold the **TALK/OFF** button on the C52-SP for five seconds.

The C52-SP LEDs turn steady orange for five seconds, then slowly flash orange.

At this point, you can manually register the C52-SP to the DECT device.


Follow the instructions below that apply to your DECT device (C620, C520, or A230).

Manually register the C52-SP to a C620

1. Press and hold the REGISTRATION button on the bottom of the C52-SP speakerphone for five seconds.

When you release the button, the C52-SP LEDs will flash red and green alternately. This indicates the C52-SP is ready for registration.

2. Press and hold the LINK key on the C620 base unit for four seconds.

The  and  LEDs flash green for about 10 seconds, then turn steady green.

If registration is successful, the LEDs on the C52-SP turn green for five seconds.

If registration fails, the LEDs on the C52-SP turn red for five seconds.

3. To register an additional C52-SP speakerphone, follow the instructions in "Register the C52-SP", above.

You can register up to two C52-SP speakerphones to a C620.


Manually register the C52-SP to a C520


1. Place the C52-SP near the C520 SIP Conference phone.
2. Press and hold the REGISTRATION button on the bottom of the C52-SP speakerphone for five seconds.

When you release the button, the C52-SP LEDs will flash red and green alternately. This indicates the C52-SP is ready for registration.

3. On the C520, press .

4. On the Main Menu, press  to select **3. User Settings**, and then press .

5. On the User Settings menu, press ▼ to select **6. Wireless speaker**, and then press .

6. On the Wireless Speaker menu, with **1. Register** selected, press .
The screen displays "Registering..."

- If registration is successful, the screen displays "Registration succeeded." The base unit plays a confirmation tone. The registered speakerphone LEDs stop flashing red and green. The LEDs turn green briefly, and then turn off.
- If registration fails, the screen displays "Registration failed."

To cancel registration, press .

7. To register an additional C52-SP speakerphone, follow the instructions in "Register the C52-SP" on page 7.

You can register up to three C52-SP speakerphones to a C520.

Manually register the C52-SP to a A230

1. Press and hold the REGISTRATION button on the bottom of the C52-SP speakerphone for five seconds.

When you release the button, the C52-SP LEDs will flash red and green alternately. This indicates the C52-SP is ready for registration.

2. Press the key on the A230 for 4 seconds.

The red LED on the A230 double-flashes rapidly and turns off when the registration has been successful. The LEDs on the C52-SP briefly turn green and then turn off while the red Power LED turns on.

For complete operating instructions, see the C52-SP User Manual.


Deregister the C52-SP




If you want to replace a C52-SP, you must deregister the speakerphones that are registered to the telephone base. To make deregistration easier, read all of the instructions below before you begin.

Deregister the C52-SP from a C620





1. Press .

2. On the Main Menu, press ▼ to select **Status & Settings**, and then press .

3. On the Status & Settings menu, press ▼ to select **User settings**, and then press .

4. On the User Settings menu, press ▼ to select **Registration**, and then press .
5. On the Registration menu, press ▼ to select **Deregistration**, and then press .
6. On the Deregistration menu, press ▼ to select **WIRELESS SPE**, and then press .
7. Enter the PIN, and then press **Next**. Default PIN Is 1590.
The screen displays "WIRELESS SPE X is deregistered."

Deregister the C52-SP from a C520

1. Press .
2. On the Main Menu, press ▼ to select **3. User Settings**, and then press .
3. On the User Settings menu, press ▼ to select **6. Wireless speaker**, and then press .
4. On the Wireless Speaker menu, press ▼ to select **2. Deregister**, and then press .
- The screen displays "Deregister all wireless speakers?"
5. Press **Yes**.
The screen displays "Deregistering..." and then "Wireless speakers are deregistered."

Deregister the C52-SP from a A230

1. Press the key on the A230 for 10 seconds to enter deregistration mode.
After 4 seconds, the red LED starts to double-flash.
After 10 seconds, the LED starts to flash red rapidly, indicating that the A230 has entered deregistration mode.
2. Release the key and press it again for one second to confirm deregistration.
The LED turns green for three seconds, turns off for one second and then shows a steady red light.

Technical Specifications

Frequency control	Crystal controlled PLL synthesizer
Transmit frequency	1921.536–1928.448 MHz
Channels	5
Nominal effective range	Maximum power allowed by FCC and IC. Actual operating range may vary according to environmental conditions at the time of use.
Power requirements	<ul style="list-style-type: none">Ni-MH Battery Pack (GP230AAHC6YMXZ); 7.2V; 2100mAH rechargeable batteryBase unit adapter: Input: 100–240V AC 50/60Hz Output: 12V DC @ 1.0A

Disposal of the device and batteries

Disposal of electrical and electronic products and batteries should be done in line with local regulations. Please contact local authorities for further information.

Cleaning

To clean the device, use an anti-static cloth. Please avoid cleaning liquids as they might damage the surface or internal electronics of the device.

Important safety instructions

When using your C52-SP DECT Expansion Speakerphone, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the product.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this product near water such as near a bathtub, wash bowl, kitchen sink, laundry tub or swimming pool, or in a wet basement or shower.
5. Do not place this product on an unstable table, shelf, stand or other unstable surfaces.
6. Slots and openings in the back or bottom of the base unit and wireless mic are provided for ventilation. To protect them from overheating, these openings must not be blocked by placing the product on a soft surface such as a bed, sofa or rug. This product should never be placed near or over a radiator or heat register. This product should not be placed in any area where proper ventilation is not provided.
7. This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply in your office, consult your dealer or local power company.

8. Do not allow anything to rest on the power cord. Do not install this product where the cord may be walked on.
9. Never push objects of any kind into this product through the slots in the base unit or wireless mic because they may touch dangerous voltage points or create a short circuit. Never spill liquid of any kind on the product.
10. To reduce the risk of electric shock, do not disassemble this product, but take it to an authorized service facility. Opening or removing parts of the base unit or wireless mic other than specified access doors may expose you to dangerous voltages or other risks. Incorrect reassembling can cause electric shock when the product is subsequently used.
11. Do not overload wall outlets and extension cords.
12. Unplug this product from the wall outlet and refer servicing to an authorized service facility under the following conditions:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled onto the product.
 - C. If the product has been exposed to rain or water.
 - D. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operation instructions. Improper adjustment of other controls may result in damage and often requires extensive work by an authorized technician to restore the product to normal operation.
 - E. If the product has been dropped and the base unit and/or wireless mic has been damaged.
 - F. If the product exhibits a distinct change in performance.
13. Avoid using the C52-SP DECT Expansion Speakerphone during an electrical storm. There is a remote risk of electric shock from lightning.
14. Do not use the C52-SP DECT Expansion Speakerphone to report a gas leak in the vicinity of the leak. Under certain circumstances, a spark may be created when the adapter is plugged into the power outlet, or when the wireless mic is replaced in its cradle. This is a common event associated with the closing of any electrical circuit. The user should not plug the phone into a power outlet, and should not put a charged wireless mic onto the charging cradle, if the phone is located in an environment containing concentrations of flammable or flame-supporting gases, unless there is adequate ventilation. A spark in such an environment could create a fire or explosion. Such environments might include: medical use of oxygen without adequate ventilation; industrial gases (cleaning solvents; gasoline vapors; etc.); a leak of natural gas; etc.
15. The power cables are intended to be correctly oriented in a vertical or floor mount position. The prongs are not designed to hold the plug in place if it is plugged into a ceiling or cabinet outlet.
16. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

17. CAUTION: Use only the batteries indicated in this manual. There may be a risk of explosion if a wrong type of battery is used. Use only the supplied rechargeable battery or replacement battery pack. Do not dispose of batteries in a fire. They may explode. Dispose of used battery according to the information in The RBRC® seal.
18. Use only the adapter included with this product. Incorrect adapter polarity or voltage can seriously damage the product.

SAVE THESE INSTRUCTIONS

For C-UL compliance only

Mesures de sécurité importantes

Vous devez toujours observer des mesures de précaution lorsque vous utilisez le Téléphone DECT à haut-parleur mains libres d'extension C52-SP, afin d'éviter les risques d'incendie, d'électrocution et de blessures, incluant ce qui suit :

1. Lisez et comprenez bien toutes les instructions.
2. Observez toutes les instructions et mises en garde inscrites sur l'appareil.
3. Débranchez ce téléphone de la prise murale avant de le nettoyer. N'utilisez pas de nettoyeurs liquides ni en aérosol. N'utilisez qu'un chiffon doux et légèrement humecté.
4. N'utilisez pas ce produit près de l'eau, tel que près d'un bain, d'un lavabo, d'un évier de cuisine, d'un bac de lavage ou d'une piscine, ou dans un sous-sol humide ou sous la douche.
5. Ne déposez pas ce téléphone sur un chariot, support ou table chancelants. L'appareil pourrait tomber et être sérieusement endommagé.
6. Les ouvertures situées à l'arrière ou sous le socle et le microphone sans fil servent à la ventilation. Afin d'empêcher la surchauffe, ces ouvertures ne doivent pas être obstruées en plaçant l'appareil sur un lit, divan, tapis ou autre surface similaires. Ne placez pas cet appareil à proximité d'un élément de chauffage ni d'une plinthe électrique. De plus, ne l'installez pas dans une unité murale ou un cabinet fermé qui ne possède pas d'aération adéquate.
7. Ne faites fonctionner cet appareil qu'avec le type d'alimentation indiqué sur les étiquettes de l'appareil. Si vous ne connaissez pas le voltage de votre maison, consultez votre marchand ou votre fournisseur d'électricité.
8. Ne déposez rien sur le cordon d'alimentation. Installez cet appareil dans un endroit sécuritaire, là où personne ne pourra trébucher sur la ligne d'alimentation ni le cordon téléphonique modulaire.
9. N'enfoncez jamais d'objets dans les fentes du socle ou du microphone sans fil, car ceci risquerait d'entrer en contact avec des points de tension dangereux ou provoquer un court-circuit. N'échappez pas de liquides dans l'appareil.
10. Afin de réduire les risques d'électrocution, ne démontez pas l'appareil, mais

apportez-le plutôt à un centre de service qualifié s'il doit être réparé. L'ouverture ou le retrait de pièces du socle ou du microphone sans fil autre que les portes d'accès peuvent vous exposer à des tensions dangereuses et à d'autres risques. Débranchez l'appareil avant de procéder au nettoyage. Utilisez un chiffon humide et doux.

11. Ne surchargez pas les prises de courant et les rallonges.
12. Débranchez cet appareil de la prise de courant et communiquez avec le département de service à la clientèle de Snom dans les cas suivants :
 - A. Lorsque le cordon d'alimentation est endommagé ou écorché.
 - B. Si du liquide a été échappé dans l'appareil.
 - C. Si l'appareil a été exposé à une source d'humidité telle que la pluie ou l'eau.
 - D. Si le produit ne fonctionne pas normalement en respectant les instructions de fonctionnement. Réglez uniquement les commandes indiquées dans les instructions de fonctionnement. Les réglages incorrects des autres commandes pourraient provoquer un dommage qui pourrait exiger un travail exhaustif de la part d'un technicien autorisé afin de rétablir le fonctionnement normal de l'appareil.
 - E. Si le produit a été échappé et que le socle et/ou le microphone sans fil a été endommagé.
 - F. Si le produit affiche une nette diminution de sa performance.
13. Évitez d'utiliser le Téléphone DECT à haut-parleur mains libres d'extension C52-SP pendant un orage.
14. N'utilisez pas le Téléphone DECT à haut-parleur mains libres d'extension C52-SP pour rapporter une fuite de gaz à proximité de la fuite. En certaines circonstances, une flammèche pourrait être provoquée lorsque l'adaptateur est branché dans une prise de courant ou lorsque le microphone auxiliaire est déposé sur son socle. Ceci est un événement commun associé à la fermeture d'un circuit électrique. L'utilisateur ne doit pas brancher le téléphone dans une prise de courant ni insérer un microphone sans fil rechargé dans le socle, si le téléphone se trouve dans un environnement contenant des concentrations de matières inflammables ou autres gaz susceptibles de produire des flammes, sauf en présence d'une aération adéquate. Une flammèche dans un tel endroit pourrait provoquer un incendie ou une explosion. De tels environnements peuvent comprendre: des endroits où l'on utilise de l'oxygène médical sans ventilation adéquate; des gaz industriels (dissolvants de nettoyage, des vapeurs d'essence, etc.); une fuite de gaz naturel, etc.
15. Ces adaptateurs ont été conçus pour être orientés en position verticale ou montés au sol. Les broches ne sont pas conçues pour maintenir l'adaptateur en place si celui-ci est branché dans une prise au plafond ou sous une table/ armoire.
16. Pour les PRODUITS À BRANCHER À UNE PRISE DE COURANT, la prise de courant doit être installée près du produit, afin d'assurer une accessibilité sécuritaire à la prise de courant.

17. MISE EN GARDE : Il peut y avoir un risque d'explosion si vous utilisez le mauvais type de piles. N'utilisez que le bloc-piles rechargeable inclus ou le bloc-piles de rechange. N'incinerez pas les piles. Celles-ci risqueraient d'exploser. Jetez les piles usées selon les renseignements suivant le sceau du RBRC^{MD}.
18. N'utilisez que les adaptateurs inclus avec ce produit. L'utilisation d'un adaptateur dont la polarité ou la tension serait inadéquate risque d'endommager sérieusement le produit et mettre votre sécurité en péril.

CONSERVEZ CES INSTRUCTIONS

Compliance

FCC part 15

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. Privacy of communications may not be ensured when using this phone.

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, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving television or radio antenna.
- Increase the separation between the telephone equipment and the receiver.
- Connect the telephone equipment into an outlet on a circuit different from that to which the television, radio or other receiver is connected.
- Consult the dealer or an experienced Radio/TV Technician for help.

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

To ensure safety of users, the FCC has established criteria for the amount of radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria. The wireless microphone may be safely held against the face of the user. The base unit shall be installed and used such that parts of the user's body other than the hands are maintained at a distance of approximately 20 cm (8 inches) or more.

Industry Canada

This Class B digital apparatus complies with Canadian requirements: CAN ICES-3 (B)/NMB-3(B). Cet appareil numérique de la classe B est conforme à la norme CAN ICES-3 (B)/NMB-3(B) du Canada.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(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.

Privacy of communications may not be ensured when using this telephone.

The term "IC:" before the certification/registration number only signifies that the Industry Canada technical specifications were met.

This product meets the applicable Innovation, Science and Economic Development Canada technical specifications.

