snom M55 SIP DECT Handset Installation Guide

snom

**M55 SIP DECT Handset
QUICK Installation Guide**
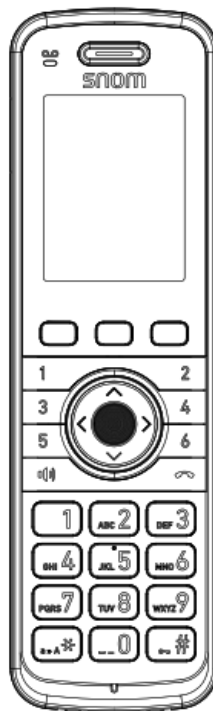
Contents

Important Safety Information

⚠ This symbol is to alert you to important operating or servicing instructions that may appear on the product or in this user's manual. Always follow basic safety precautions when using this product to reduce the risk of injury, fire, or electric shock.

Important Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury, including the following:

1. This product should be installed by a qualified technician.

2. This product should only be connected to the host equipment and never directly to the network such as Public Switch Telephone Network (PSTN) or Plain Old Telephone Services (POTS).

3. Read and understand all instructions.

4. Follow all warnings and instructions marked on the product.

5. Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.

6. Do not use this product near water such as near a bath tub, wash bowl, kitchen sink, laundry tub, or swimming pool, or in a wet basement or shower.

7. Do not place this product on an unstable table, shelf, stand, or other unstable surfaces.

8. Slots and openings in the back or bottom of the handset 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.

9. 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 supplied at the premises, consult your dealer or local power company.

10. Do not allow anything to rest on the power cord. Do not install this product where the cord may be walked on.

11. Never push objects of any kind into this product through the slots in the handset because they may touch dangerous voltage points or create a short circuit. Never spill liquid of any kind on the product.

12. 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 handset 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.

13. Do not overload wall outlets and extension cords.

14. 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 telephone base and/or handset has been damaged.

    F If the product exhibits a distinct change in performance.

15. Avoid using a telephone (other than cordless) during an electrical storm. There is a remote risk of electric shock from lightning.

16. Do not use the telephone 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 handset 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 handset into the 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.

17. Only put the handset of your telephone next to your ear when it is in normal talk mode.

18. The power adapters 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, under-the-table or cabinet outlet.

19. Use only the power cord indicated in this manual.

20. For pluggable equipment, the socket-outlet shall be installed near the equipment and shall be easily accessible.

21. In-wall mounting position, make sure to mount the telephone base on the wall by aligning the eyelets with the mounting studs of the wall plate. Then slide the telephone base down on both mounting studs until it locks into place. Mount the device only at heights not exceeding 2 meters. Refer to the full installation instructions in the User Manual.

22. CAUTION: Keep small metallic objects such as pins and staples away from the handset receiver.

23. WARNING: The product included (ITE) in this manual is to be connected only to PoE networks without routing to the outside plant.

SAVE THESE INSTRUCTIONS

Power requirements ⚠️ 📖	Handset charger power adapter: 5.0Vdc 2, 50200VUU) Handset battery: 3.7V 1500m, mber: 503860AR1500, Manufacturer Yiyar

CAUTION

- The battery cannot be subjected to high or low extreme temperatures during use, storage, or transportation.
- The battery cannot be subjected to low air pressure at high altitudes during use, storage, or transportation.
- The battery in the product is replaceable. There is a danger of explosion if the battery is incorrectly replaced.

- Replacement of a battery with an incorrect type can result in an explosion or the leakage of flammable liquid or gas.

- Avoid the disposal of a battery in a fire or a hot oven, or mechanically crushing or cutting of a battery, which can result in an explosion.

- Avoid leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at the user's expense.

Privacy of communications may not be ensured when using this phone. Warning: 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/ISEDC 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 /ISEDC criteria. The handset may be safely held against the ear of the user.

FCC Part 68
Consumer Information:

a. This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the back or bottom 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.

b. An applicable certification jacks Universal Service Order Codes (USOC) for the equipment is provided (i.e., RJ45C) in the packaging with each piece of approved terminal equipment.

c. 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 LAN cable (12145) and modular plug is provided with this product. An R145 jack should normally be used for connecting to the SIP equipment through the LAN cable. See installation instructions for details.

d. If this equipment 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 the customer 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.

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

f. Should you experience trouble with this equipment, please contact Snom Technology GmbH

1 (339) 227-6160 (select option 2)

for repair 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.

g. Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of the device except specified.

h. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information. i. NOTICE If you have specially wired alarm equipment connected to the telephone line, ensure the installation of this product does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

j. This equipment is hearing aid compatible.

NOTICE According to telephone company reports, AC electrical surges, typically resulting from lightning strikes, are very destructive to telephone equipment connected to AC power sources. To minimize damage from these types of surges, a surge arrestor is recommended.

Industry Canada

This Class A digital apparatus complies with Canadian requirements:

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

About this Guide

This quick installation guide provides a reference for the external features of the M55 SIP DECT Handset and installation instructions.

The M55 SIP DECT Handset is for use with the M500 Multi-cell SIP DECT Base Station. Please refer to the M55 SIP DECT Handset User Manual for complete operation instructions. For customer service or product information, visit our website at **www.snomamericas.com.**

Parts Checklist

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

Cordless handset

Power adapter

M55 Quick Installation Guide

Battery

Handset charger
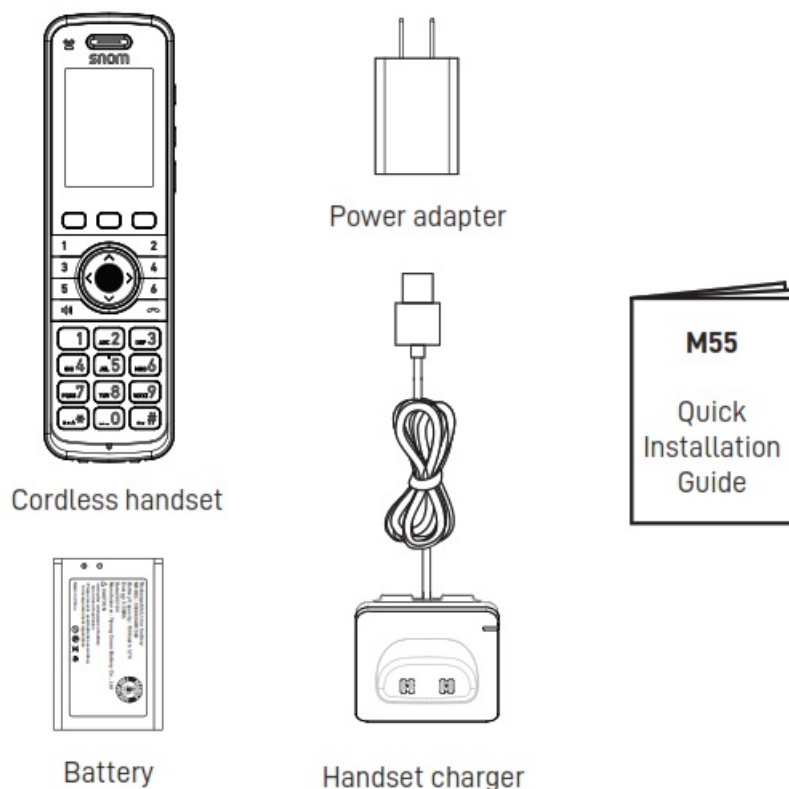
Quick Reference Guide
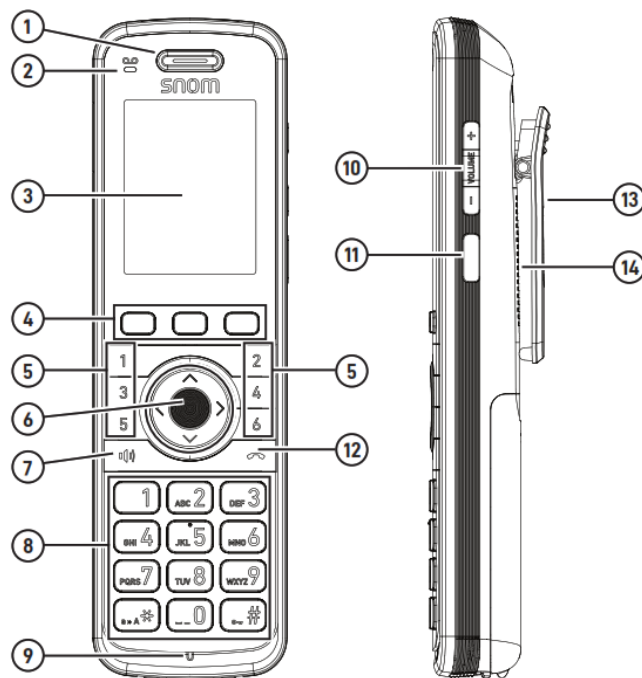
1	Earpiece
2	MESSAGE LED
3	Color screen
4	Soft keys
5	Line 1-6 programmable feature keys
6	○ **MENU**/**Confirm** key and / ∧ ∨ <> navigation keys

7	SPEAKER key
8	Alphanumeric keypad
9	Microphone
10	– VOLUME + key
11	Programmable key
12	OFF/Cancel key
13	Belt clip
14	Speaker

Handset Installation

This section assumes that your network infrastructure is established and that your IP PBX phone service has been ordered and configured for your location.

Handset installation involves both the handset and the handset charger. The handset charger is powered using the supplied power adapter. The handset chargercan be placed on a flat surface or mounted on a wall.

Avoid placing the handset too close to:

- Communication devices such as television sets, DVD players, or other cordless telephones

- Excessive heat sources

- Noise sources such as a window with traffic outside, motors, microwave ovens, refrigerators, or fluorescent lighting

- Excessive dust sources such as a workshop or garage

- Excessive moisture

- Extremely low temperature

- Mechanical vibration or shock such as on top of a washing machine or workbench

Installing the charger
Install the charger as shown below.
Plug the power adapter into an electrical outlet not controlled by a wall switch.
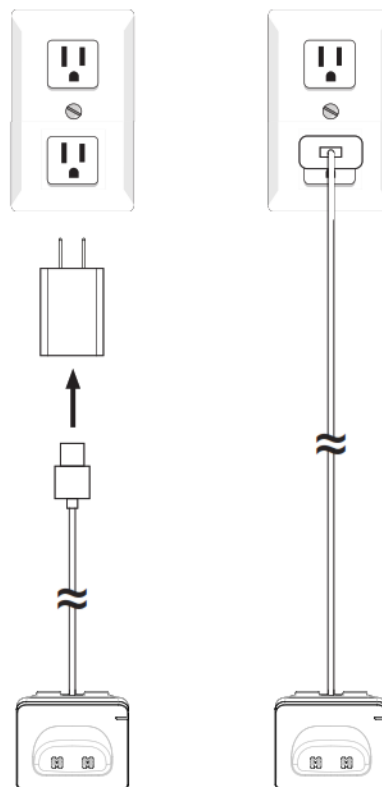
IMPORTANT INFORMATION

1. Use only the power adapter supplied with this product. To order a replacement power adapter, visit our website at **www.snomamericas.com.**

2. The power adapter is 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, under-the-table or cabinet outlet.

Battery Installation and charging

Install the battery as shown on the following page. Once you have installed the battery, the screen indicates the battery status (see the table below). If necessary, place the handset in the charger to charge the battery. For best performance, keep the handset in the charger when not in use. The battery is fully charged after 11 hours of continuous charging.

If the screen is blank, you need to charge the handset without interruption for at least 30 minutes to give the handset enough charge to use the telephone for a short time. When the battery is low, the handset shows a flashing Very low battery icon ▭ or Low battery icon ▭ .

Battery Indicators	Battery Status	Action
The screen is blank or Very low battery icon in ▭ flashes.	The battery has no or little charge. The handset cannot be used.	Charge without interruption (at least 30 minutes).
Low battery icon ▯ flashes.	The battery has enough charge to be used for a short time.	Charge without interruption (at least 30 minutes).
A full battery icon ▰ appears.	The battery is charged.	To keep the battery charged, place it in the charger when not in use.

To Install the handset battery:

1. Place the top of the battery in the handset battery compartment so that the battery connectors are aligned.
2. Push the bottom of the battery down into the battery compartment.
3. Align the cover flat against the battery compartment, then slide it upwards until it clicks into place.
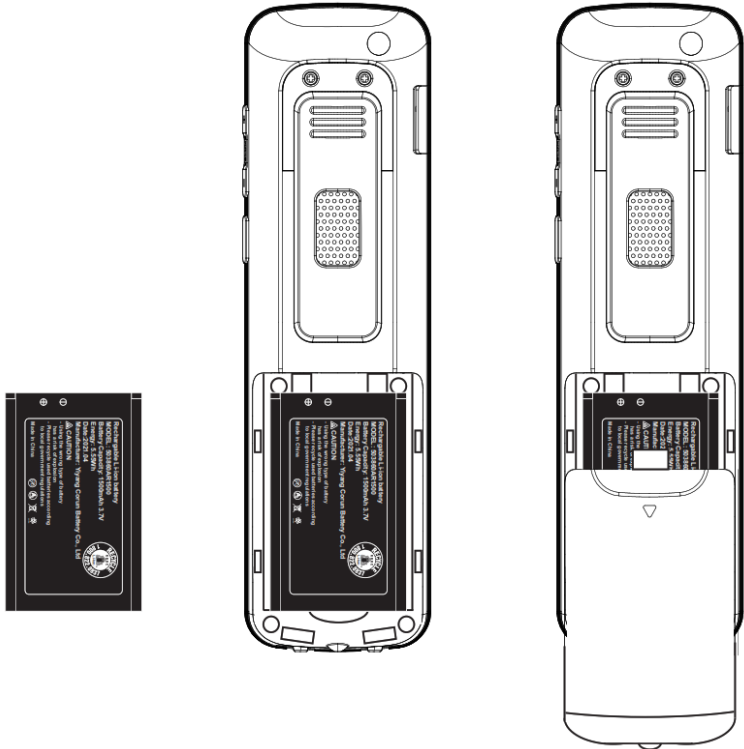
4. Charge the handset by placing it face forward in the charger. The battery icon indicates the charge status as the battery charges.

▭	Very low battery. Charging less than 30 minutes.
▯	Charging less than 30 minutes.
▰	Charging 30 to 80 minutes.
▰	Charging 80 minutes to 7 hours.
▰	Charging more than 7 hours. Fully charged at 11 hours.

IMPORTANT INFORMATION

- Use only the supplied rechargeable battery or replacement battery (model number 503860AR1500). To order a replacement battery, visit our website at **www.snomamericas.com.**
- If you do not use the handset for a long time, disconnect and remove the battery to prevent possible leakage.

Watt mounting the charger
The charger is ready for tabletop use. If you want to mount the charger on a wall, use two 10 mm (318 inches) screws and wall anchors to hold the charger in place. Screws and wall anchors are not provided but are available for purchase at hardware retailers. You might need a professional to install the charger.
To mount the charger on the watt

1. Use a pencil to mark the desired positions of the two holes on the wall. Make sure the space between the two holes is 30 mm (1 3/16 inches). Drill two holes in the wall according to the marks.
   Mount the device only at heights not exceeding 2 meters.
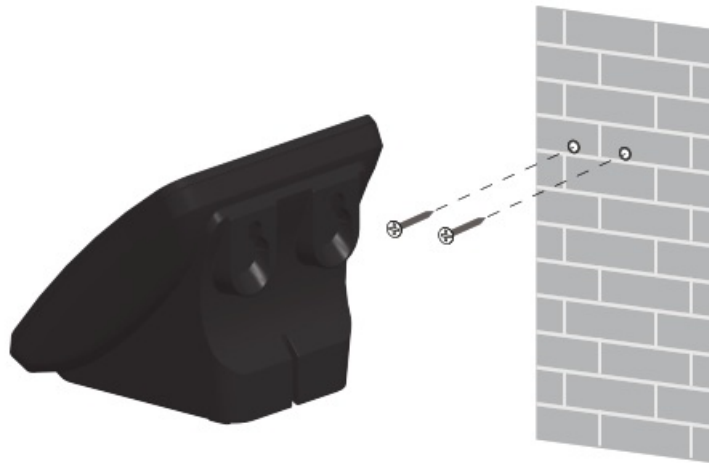
2. If you drill the holes into a stud, go to step 3. -OR-If you drill the holes into an object other than a stud, insert the wall anchors into the holes and tap gently on the ends with a hammer until the wall anchors are flush with the wall.
3. Insert the screws into the holes and tighten them until only 6 mm (1/4 inch) of the screws are exposed.
4. Align the holes at the back of the charger with the screws on the wall and slide the charger down until it locks into place.

Registering the handset to the base station
The handset must be registered to the base station in order to make and receive calls.
There are three methods of registration:

- Auto registration
- Manual registation (triggered via Web UI).
- Manual registation (triggered via LINK button on base).

Registering the handset – Auto registration

1. Make sure the base station is connected to power and the network.
2. Press the MENU/Confirm key. The User Settings screen appears.
3. Press ∧ or ∨ to scroll down to Registration and press OK. The Registration screen appears.
4. With This device select press OK. The "This device screen appears.
5. Press ∧ or ∨ to scroll down to Auto Registration and press OK. The handset displays:

    Trying to auto-register…

    Keep the Handset within the base's range.

    If registration is successful: The handset beeps and displays "Handset X Registered" .

    If registration fails:

    The handset displays "Registration failed". Press OK. The handset displays "Consult the phone administrator to provision the device IPEI to the base." Press IPEI to display the phone's IPEI and serial number. Give these numbers to your phone administrator.

Registering the handset – Manual registration (triggered via Web UI)

1. Make sure the base station is connected to power and the network.
2. Press the MENU/Confirm key. The User Settings screen appears.
3. Press A or ∨ to scroll down to Registration and press OK. The Registration screen appears.
4. With This device selected, press OK. The "This device" screen appears.
5. Press A or ∨ to scroll down to The base Web UI and press OK. The handset displays:

    Login to the base's WebUI using a browser, Click Status, then Registration

    Then, press the # key at the Handset. Keep the handset within base range

6. Open the phone's Web UI in a web browser.
7. On the Web UI, click Status and then click Registration.
8. Press the # key on the handset to begin registration. The handset displays "Registering… Please Wait.'
9. If you are prompted to enter a PIN, enter the PIN and then press **OK.** The default PIN is 0000.

    If registration is successful:

    The handset beeps and displays "Handset X Registered". If registration fails:

    The handset displays "Registration failed". Press OK.

- If the handset displays 'Device not registered to the base station.", press **Reg**. Place the handset in the charger again for a few seconds, remove it and try the registration steps again.
- If the handset displays 'Out of range. Searching for the base…", move the handset closer to the base, and try the registration steps again.

- If the handset displays the idle screen, it means the handset was already registered to another base. To register the handset to a different base, try the registration steps again.

Registering the handset – Manual registration (triggered via LINK button on base)

1. Make sure the base station is connected to power and the network.
2. Press the MENU/Confirm key. The User Settings screen appears.
3. Press A or v to scroll down to Registration and press OK. The Registration screen appears.
4. With This device selected, press OK. The 'This device screen appears.
5. With The base LINK key selected, press OK. The handset displays:

   Press and hold the LINK key at the base for 4 seconds

   Then, press the # key at the Handset.

6. Press and hold the LINK button on the base station for four seconds. The ⏻ (power) and 📞 (SIP) LEDs flash green.
7. Press the # key on the handset to begin registration. The handset briefly displays "Press the WPS button on your Hub. The handset displays "Registering… Please Wait?
8. If you are prompted to enter a PIN, enter the PIN and then press OK. The default PIN is 0000.

   If registration is successful: The handset beeps and displays "Handset X Registered" .

   If registration fails: The handset displays "Registration failed". Press **OK.**

- If the handset displays 'Device not registered to the base station.", press Reg. Place the handset in the charger again for a few seconds, remove it and try the registration steps again.
- If the handset displays 'Out of range. Searching for the base…", move the handset closer to the base, and try the registration steps again.
- If the handset displays the idle screen, it means the handset was already registered to another base. To register the handset to a different base, try the registration steps again.

Deregistering the handset
Before using the handset with a different base station, you must deregister the handset from the base station to which it is currently registered.
To deregister the handset:

1. Press the MENU/Confirm key. The User Settings screen appears.
2. Press ∧ or ∨ to scroll down to Registration and press OK. The Registration screen appears.
3. Press ∧ or ∨ to scroll down to Deregistration and press OK. The "Drag. HS" screen appears, showing the list of registered handsets. Your handset is indicated by * *.
4. Press ∧ or ∨ to select the handset you want to deregister, and press SELECT.
5. Enter the PIN and press OK to begin deregistration. The default PIN is 0000. the handset beeps and displays "Handset is deregistered".

Screen icons
The following screen icons indicate your phone's current status:

Icon	Status
	Indicates signal strength, from one bar (weak) to four bars (strong). Flashes when out of range.
	The ringer is off.
	Speakerphone—the speakerphone is active.
	The microphone is muted.
	Call Forward is on.
	Do Not Disturb is on.
	Silent Mode is on.

Maintenance

Taking care of your telephone

- Your base station and cordless handset contain sophisticated electronic parts, so you must treat them with care.
- Avoid rough treatment.
- Place the handset down gently.
- Save the original packing materials to protect your products if you ever need to ship them.

Avoid water

- You can damage your cordless telephone if it gets wet. Do not use the handset in the rain, or handle it with wet hands. Do not install the base station and handset near a sink, bathtub, or shower.

Electrical storms

- Electrical storms can sometimes cause power surges harmful to electronic equipment. For your own safety, take caution when using electric appliances during storms.

Cleaning your telephone

- Your products have a durable plastic casing that should retain its luster for many years. Clean it only with a soft cloth slightly dampened with water or a mild soap.
- Do not use excess water or cleaning solvents of any kind.

Remember that electrical appliances can cause serious injury if used when you are wet or standing in water. If the telephone base should fall into the water, DO NOT RETRIEVE IT UNTIL YOU UNPLUG THE POWER CORD FROM THE WALL, then pull the unit out by the unplugged cord.

Technical Specifications

RF frequency band	1921.536-1928.448 MHz
Channels	5
Operating temperature	32-104 °F (0-40 °C)
Power requirements	Handset charger power adapter: 5.0Vdc 2A (Model number: NBS10B050200VUU) Handset Battery: 3.7V 1500mAh, Li-ion battery (Model number: 503860AR1500, Manufacturer: Yiyang Corun Battery Co. , Ltd.)
Bluetooth range	Up to 10m

VTECH COMMUNICATIONS, INC.
Tigard, Oregon 97223, USA.
Copyright © 2022 Snom Technology GmbH. All Rights Reserved.
v20220525 Version 2, 05/22

Documents / Resources

snom M55 SIP DECT Handset [pdf] Installation Guide
780-S118-00, 780S11800, EW7780-S118-00, EW7780S11800, M55 SIP DECT Handset, M55, SIP DECT Handset

Snom M55 SIP DECT Handset [pdf] Installation Guide
M55, SIP DECT Handset, DECT Handset, SIP Handset, Handset, M55

References

- () **Snom Americas**