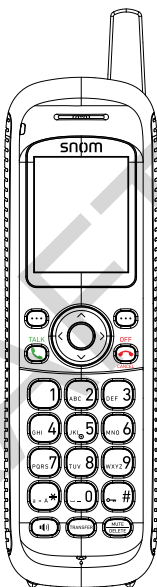


snom



M45R SC

SIP DECT Rugged Handset

Quick Installation Guide

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 base station and 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 base station or 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 base station or 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. Refer to the full installation instructions in the User Guide.
22. CAUTION: Keep small metallic objects such as pins and staples away from the handset receiver.

SAVE THESE INSTRUCTIONS

For cUL compliance only

Mesures de sécurité importantes



Ce symbole vous alertera d'informations importantes ou d'instructions d'entretien pouvant apparaître dans ce guide d'utilisation. Respectez toujours les mesures de sécurité et de sécurité de base lorsque vous utilisez ce produit, afin de réduire les risques de blessures, d'incendie, ou d'électrocution.

Mesures de sécurité importantes

Afin de réduire les risques d'incendie, de blessures corporelles ou d'électrocution, suivez toujours ces mesures préventives de base lorsque vous utilisez votre téléphone :

1. Cet appareil doit être installé par un technicien qualifié.
2. Cet appareil doit être branché à un équipement hôte et jamais branché à un réseau, tel qu'un réseau PSTN publique ou un réseau téléphonique standard (POTS).
3. Lisez et comprenez bien toutes les instructions.
4. Observez toutes les instructions et mises en garde inscrites sur l'appareil.
5. 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.
6. 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.
7. Ne déposez pas ce téléphone sur un chariot, support ou table chancelants. L'appareil pourrait tomber et être sérieusement endommagé.
8. Le boîtier de l'appareil est doté de fentes et d'ouvertures d'aération situées à l'arrière ou en dessous. 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.
9. 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.
10. 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.
11. N'insérez jamais d'objets à travers les fentes et ouvertures de cet appareil, car ils pourraient toucher à des points de tension dangereux ou court-circuiter des pièces, ce qui constituerait un risque d'incendie ou d'électrocution. N'échappez pas de liquides dans l'appareil.

12. 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. En enlevant le couvercle, vous vous exposez à des tensions dangereuses ou autres dangers similaires. Un remontage inadéquat peut être à l'origine d'une électrocution lors d'une utilisation ultérieure de l'appareil.
13. Ne surchargez pas les prises de courant ni les rallonges électriques, car ceci peut constituer un risque d'incendie ou d'électrocution.
14. 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 l'appareil ne fonctionne pas normalement en suivant les directives du guide. N'ajustez que les commandes couvertes dans le guide d'utilisation, car un mauvais réglage de celles-ci peut être à l'origine de dommages, ce qui nécessiterait des réparations considérables pour remettre l'appareil à son état de fonctionnement normal.
 - E. Si l'appareil a été échappé ou son boîtier, endommagé.
 - F. Si le produit affiche une nette diminution de sa performance.
15. Évitez d'utiliser un téléphone (autre qu'un sans fil) pendant un orage. Les éclairs peuvent être à l'origine d'une électrocution.
16. N'utilisez pas le téléphone pour rapporter une fuite de gaz à proximité de celle-ci. Sous certaines circonstances, une intempérie pourrait survenir lorsque l'adaptateur est branché à une prise de courant, ou lorsque le combiné est déposé sur le combiné. Ceci est un événement commun associé avec la fermeture d'un circuit électrique. L'utilisateur ne devrait pas brancher le téléphone dans une prise de courant, et ne devrait pas déposer le combiné chargé sur le socle, si le téléphone se trouve dans un environnement où la concentration de gaz

inflammables, sans ventilation adéquate. Une étincelle dans ces endroits pourrait provoquer un incendie ou une explosion. Ces environnements pourraient être l'utilisation médicale de l'oxygène sans ventilation adéquate; le gaz industriel (dissolvants, vapeurs d'essence, etc.); une fuite de gaz naturel, etc.

17. Placez uniquement le combiné de votre appareil près de votre oreille lorsqu'il est en mode de conversation normal.
18. Les adaptateurs sont conçus pour être orientés en position verticale ou en position horizontale sur le plancher.
19. N'utilisez que cordon d'alimentation et les piles indiquées dans ce guide d'utilisation.
20. 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.
21. En position de montage mural, assurez-vous de monter le socle du téléphone sur le mur en alignant les œillets avec les goujons de fixation de la plaque murale. Ensuite, faites glisser le socle vers le bas sur les deux goujons de fixation jusqu'à ce qu'il se verrouille en place. Reportez-vous aux instructions complètes dans la section Installation dans ce guide d'utilisation.
22. MISE EN GARDE : Éloignez les petits objets métalliques tels que les broches de l'écouteur du combiné.

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.

This equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in 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 of the following measures:

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

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.

Caution: To maintain the compliance with the FCC's RF exposure guideline, place the base unit at least 20 cm from nearby persons.

For body-worn operation, this handset has been tested and meets the FCC RF exposure guidelines when used with the accessories supplied or designated for this product. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

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.

About this Guide

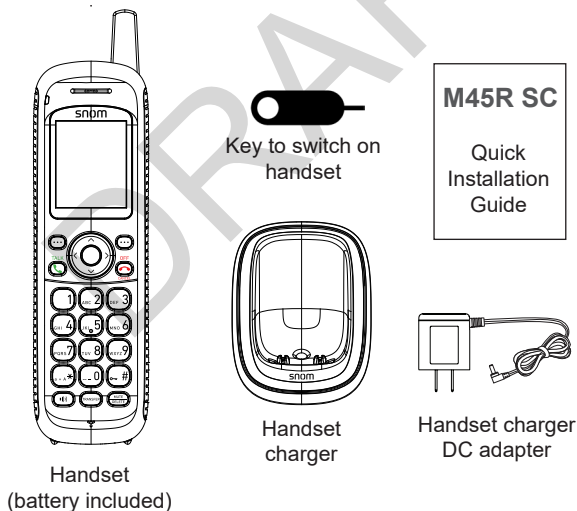
This quick start guide provides a reference for the external features of the base station and handset and basic installation instructions.

Please refer to the M45R SC User Guide for complete installation and operation instructions.

For customer service or product information, visit our website at **snomamericas.com**.

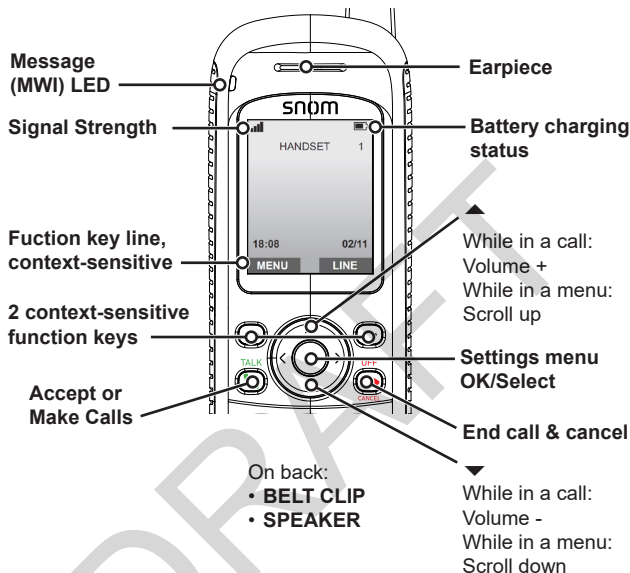
Parts Checklist

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

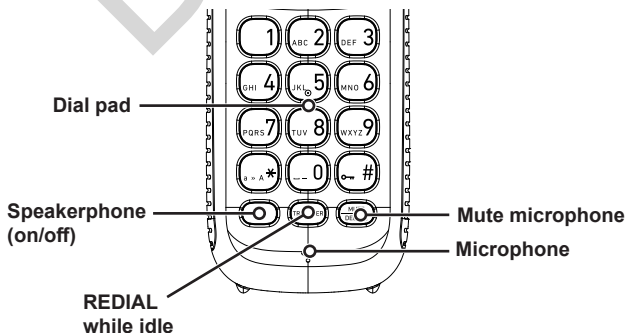


Quick Reference Guide

Cordless handset external features



Dial pad and audio controls



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.

For more information about IP PBX configuration, see the M400 SC Administrator and Provisioning Manual, available at **snomamericas.com**.

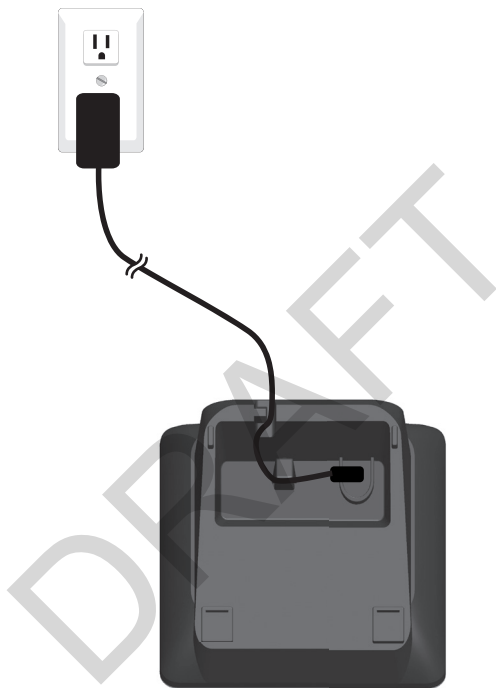
Handset installation involves both the handset and the handset charger. The charger is powered using the supplied power adapter. The charger can be placed on a flat surface or mounted on a wall.

Avoid placing the handset and charger 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 work bench

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

Use only the power adapter supplied with this product (Ten Pao, model number S003AKU0600040). To order a replacement power adapter, visit our website at **snomamericas.com**.

The power adapter is intended to be correctly oriented in a vertical or floor mount position.

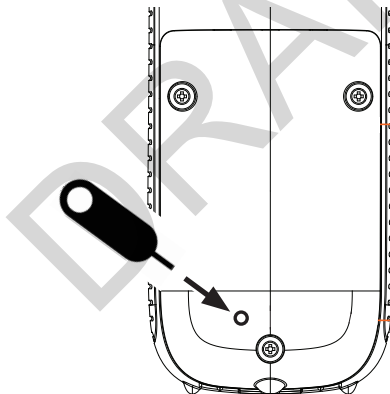
The prongs are not designed to hold the plug in place if it is plugged into a ceiling, under-the-table or cabinet outlet.

Switching on the handset

The handset battery is preinstalled. When you unpack the handset from the delivery box, you must switch on the handset using the provided key. Follow the steps below. You only have to do this once.

To switch on the handset:

1. Insert the provided key into the hole at the bottom rear of the handset.



2. Gently push the pin into the hole until you hear a click.
3. Remove the pin.

Your handset will power on after five seconds.

From now on, you can turn your handset off/on by pressing and holding the **OFF/CANCEL**  button on the handset.

Battery charging

The handset 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 **Low battery** and a flashing .

Battery indicators	Battery Status	Action
The screen is blank or shows Place in charger and  flashes.	The battery has no or little charge. The handset cannot be used.	Charge without interruption (at least 30 minutes).
The screen shows Low battery and  flashes.	Battery has enough charge to be used for a short time.	Charge without interruption (at least 30 minutes).
Full battery icon () appears. The screen shows HANDSET x (x represents the handset ID number 1 to 6).	Battery is charged.	To keep the battery charged, place it in the charger when not in use.

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
30 to 80
minutes.



Charging
80 minutes
to 7 hours.



Charging more than
7 hours. Fully charged
at 11 hours.

Opening the battery door

Your handset battery is preinstalled. If you need to remove or insert the battery, follow the steps below.

To remove or insert the handset battery:

1. Remove the three screws on the battery door.
2. Lift up the bottom of the battery door to remove it.
3. To remove the battery: Lift the end of the battery nearest the top of the handset, and unplug the battery connector from the socket.
4. To insert the battery: Plug the battery connector securely into the socket. Place the battery inside the handset battery compartment.
5. Hold the battery door at an angle and align the three notches at the top of the battery compartment. Push the bottom of the battery door down until it clicks into place.
6. Tighten the three screws to secure the battery door.

IMPORTANT INFORMATION

- Use only the supplied rechargeable battery or replacement battery (model GP100AAAHC2BMXZ). To order a replacement battery, visit our website at **snomamericas.com**.
- If you do not use the handset for a long time, disconnect and remove the battery to prevent possible leakage.

Handset Registration

Registering the handset to the base station

The handset is pre-registered to the base station. If the handset becomes deregistered, perform the registration procedure as follows.

To register the handset:

1. Make sure the handset has a charged battery before proceeding. Make sure the base station is connected to power.
2. If the handset is displaying the message "Press and hold handset locator key at base for 4 seconds", press **OK** and then go to step 10.
3. Press **MENU** on the handset. The Main Menu appears.

4. Press ▼ and ► to select  (**Settings**) and press **ENTER**.
5. Press ▼ to scroll to **User Settings** and press **ENTER**.
6. Press ▲ to scroll to **Registration** and press **ENTER**.
7. With **Handset** highlighted, press **OK**.
8. Press ▼ and ▲ to highlight the **Base (1-4)** to which you want to register.

An asterisk * indicates the base slot has been registered to a base. For example: Base 1*. Highlight a base without an asterisk *.

9. Press **ENTER**.

The handset screen displays "Registering / Please wait."

10. On the base station, press the **HANDSET LOCATOR** button for at least four seconds, and then release the button. Both LEDs on the base station begin to flash.
11. If prompted, enter the PIN on the handset, and then press **OK** to begin registration.

The default PIN is 1592.

The process takes up to 10 seconds to complete. When the first handset registers, it beeps and the screen displays "Handset Registered". Press the **MENU/SELECT** button.



If the handset fails to register, place it in the charger again for a few seconds, remove it and repeat the registration procedure.

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 **MENU** on the handset. The Main Menu appears.

2. Press ▼ and ► to select  (**Settings**) and press **ENTER**.

3. Press ▼ to scroll to **User Settings** and press **ENTER**.

4. Press ▲ to scroll to **Registration** and press **ENTER**.

5. Press ▼ to highlight **Deregistration** and press **OK**.

The handset screen displays a list of registered handsets.

6. Press ▼ and ▲ to highlight the name of the handset you want to deregister, and then press **OK**.

The handset you are using is indicated by asterisks **.

For example: HANDSET 1**

7. If prompted, enter the PIN, and then press **OK** to begin deregistration.

The default PIN is 1592.

The process takes up to 10 seconds to complete.

When the handset deregisters, it beeps and the screen displays "Press and hold handset locator key at base for 4 seconds."

Note: The handset enters an energy-saving charging mode after being deregistered. All cordless telephone functions except handset-battery charging are disabled. Energy-saving charging mode is deactivated after the handset registers to the base station.

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 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	Base: 5.0 Vdc @ 800 mA Handset charger: 6.0 Vdc @ 400 mA Handset: 2.4 V, 950mAh, Ni-MH battery pack
Power over Ethernet	IEEE 802.3af supported, class 2
Ethernet network port	10/100 Mbps RJ-45 port

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