

# M90



Ruggedized handset

IP 65

Anti-bacterial housing

Alarm feature

Bluetooth

Backlit keypad

Vibration alarm

Long standby time

OTA Updates

Directory

Belt clip

## Ideal for hygiene-critical environments

The Snom M90 is ideal for use in hospitals and facilities where hygiene is a priority. Equipped with a protective cover (certified JIS-Z2801) to stop the spread of bacteria, the cover can be easily wiped clean and disinfected with isopropyl alcohol to prevent the spread of other diseases such as viruses. At approx. 130 g, the device is IP65 certified and thus immune to splash water and dust. Falls of up to 2

meters are no problem thanks to the reinforced housing. With up to 17 hours of talk time, the Snom M90 includes integrated Bluetooth enabling headset connectivity and connectivity with the Snom Beacon solution. Other features include a high-resolution, LED colour display, best HD audio and vibration alert.

## Basics

- Product information
  - DECT handset **M90** | white | PN **00004425**
  - Integrated belt clip
  - Ruggedized and robust design
  - Anti-bacterial housing (**JIS-Z2801**)
  - Ingress protection code **IP65** compliant
  - Drop tested up to 2 m → **MIL-STD-810g 516.6**
- Placement: indoor, outdoor
- Antenna diversity: 2 internal omni-directional antennas

## Dimensions and weight

- Dimensions (L x W x D, approx.)
  - 122 mm x 48 mm x 22 mm
- Weight (approx.)
  - Handset: 95 g
  - Battery & belt clip: 41 g

## Display and indicators

- Display
  - TFT liquid crystal display (LCD), 262k, backlit
  - Size (diagonal): 2.0" (51 mm)
  - Resolution: 240 x 320 pixel
- 3 LED indicators
  - Handset
    - Multi-purpose status indication: 1 tricolour LED
    - Speakerphone mode: 1 red LED
  - Charging cradle
    - Charging indication: 1 green LED

## Keypad and function keys

- 28 hard keys in total
- 12 keys (standard ITU telephone keypad), backlit
- 5-way navigation key
- 3 context-sensitive function keys
- 4 dedicated audio keys
  - Mute
  - Speakerphone (with red LED)
  - Volume + / - (rocker)

- 4 dedicated function keys
  - Offhook, Onhook | Cancel, Menu, Alarm
- Keyboard lock

## Audio devices, codecs and features

- Casing microphone | Casing speaker | External speaker
  - Speakerphone mode
  - Full duplex, HD audio
- Audio codecs
  - G.711 (A-law,  $\mu$ -law), G.722, G.726
- Related features
  - Hearing aid compatible (HAC)
  - Built-in assignable ringtones
  - Vibration alarm

## Interfaces and connections

- Power options
  - Handset
    - Battery 3.7 V, 1,100 mAh, 4.1 W, lithium-ion, removable, rechargeable, up to 200 h standby time, up to 17 h narrowband talk time, up to 12 h wideband talk time, up to 6 h charging time
  - Charging cradle
    - Power adapter: 100 - 240 V AC / 50 - 60 Hz / 300 mA | 5 V DC / 2 A
- Wired interfaces
  - Charging cradle
    - USB powering: attached USB cable with type A plug
    - Daisy chaining: USB 2.0 type A port
  - Handset
    - **Headset connectivity:** 3.5 mm miniature audio jack
- Wireless interfaces
  - Network connectivity: DECT<sup>1</sup>
  - Positioning | **Headset connectivity:** Bluetooth

## User interfaces and setup

- Configuration and setup via menu-driven phone user interface (PUI)
- Customisation
  - XML Minibrowser support for Snom DECT multicell systems
- Localization
  - **Languages:** English, German, French, Italian, Spanish, Dutch, Portuguese, Swedish, Turkish, Danish, Norwegian, Polish, Russian, Serbian, Croatian, Slovenian
  - Time zone, dial tone

## Directory support and call features

- 1 SIP identity / account
- Up to 2 simultaneous calls
- Directory support
  - **Local directory with up to 250 entries**
  - Central directory on the base station
  - **LDAP (server-based directory)**
- Outgoing call features
  - Speed dialling
  - Redial (via dialed calls list)
  - Caller identification (CLIP)
  - Calling Line Identification Restriction (CLIR)
- Incoming call features
  - **Call waiting/swapping**
  - Auto answer
  - **Call diversion**
  - Do Not Disturb (DND) mode
- Connected call features
  - Hold
  - **Blind call transfer**
  - **Attended call transfer**
  - Mute microphone
  - 2+1 local conferencing
- Related features
  - Call history of 50 missed, received, dialed calls
  - Voice message waiting notification
  - Notification of missed calls

## DECT technology and features

- Standard: DECT<sup>1</sup>
  - Authentication/encryption of base and handset
  - Compatible with Snom DECT multicell systems
  - Wideband audio
- Frequency band: Auto-sensing
  - EU & UK: 1,880 - 1,900 MHz
  - USA: 1,920 - 1,930 MHz
  - Latin America: 1,910 - 1,930 MHz
- Output power
  - EU & UK: < 250 mW
  - USA: < 100 mW
- Coverage
  - Up to 50 m indoor range
  - Up to 300 m outdoor range
- Related features
  - Software upgrade over the air (SUOTA)
  - Auto registration when not registered
  - Date and time synchronization from base station

## Environmental conditions

- Operating ambient temperature: -10 °C - +55 °C
- Charging condition: 5 °C - +45 °C

## Package contents

- Hardware
  - DECT handset **M90**
  - Battery
  - Charging cradle
  - Power adapter
  - Connector clips → EU / Americas
- Documentation
  - **Quick Installation Guide**

## Snom accessories and compatible devices

- Battery
  - 3.7 V, 1,100 mAh, lithium-ion (PN 00003932)
- Repeaters
  - M6 (PN 00004586)
- Mobile Beacon Gateway
  - M9B (PN 00004460)

- Base stations
  - M400 (PN 00004587)
  - M900
    - EU & UK: PN 00004426
    - Americas: PN 00004441
  - M900 outdoor (PN 00004478)

<sup>1</sup> DECT devices manufactured for the USA and Canada are marketed as DECT 6.0

## Series overview



## Disclaimer

Further information: [Snom M90 webpage](#) | [Snom Service Hub](#) | [Warranty information](#) | [Type approval](#) | [Company locations](#)

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