M85

DECT	Ruggedized handset	IP 65	Alarm feature	Bluetooth	Headset connectable	Belt clip	OTA Updates	Directory

Robust handset with multiple alarm options

The M85 has a programmable alarm key, is shock, splash and dust resistant and can operate in extreme temperatures. Connectible with wireless and wired headphones, it can be used to send and receive alarms. Alarms can be triggered automatically or manually via programmable alarm key. Pressing this key can send a message or place an emergency call to a pre-defined number. Integrated sensors enable "man down" alarms:

If in an unusual position or an extended period of motionlessness is registered, an alarm is raised. The M85 also has a wrist loop that triggers an alarm if it is ripped from the handset. With compatible base stations, the M85 has access to features such as voicemail, call forwarding, call lists, caller identification, or corporate directory search.

Warning: *Device not compatible with disinfectants*[1]

Basics

- Product information
  - DECT handset M85 | black | PN 00004189
  - Ingress protection code IP65 compliant
  - Shockproof, waterproof and dustproof
  - Features a range of alarms designed to increase safety in the workplace push-button alarm, no-movement in the workplace push-button alarm, no-movement alarm, man-down alarm and pull-cord alarm
- Placement: outdoor, Indoor, desktop
- Antenna diversity: 2 internal omni-directional antennas

Dimensions and weight

- Dimensions (L x W x D, approx.)
  - 152 mm × 48 mm × 28 mm
- Weight (approx.)
  - 175 g total

Display and indicators

- Display
  - TFT liquid crystal display (LCD), 262k (18 bit), backlit, 8 lines, 6 lines for menus or context area, 16 characters per line
  - Size (diagonal): 2.0" (50 mm)
  - Resolution: 176 × 220 pixel
- 2 LED indicators
  - Multi-purpose status indication: 1 tricolour LED
  - Charging indication: 1 blue LED

Keypad and function keys

- 27 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
  - Volume + / -
- 3 dedicated function keys:
  - Menu
  - Offhook
  - Onhook / Cancel
- Related features
  - Key tones
  - Keyboard lock

Interfaces and connections

- Power options
  - DECT handset: Battery 1,100 mAh, 3.7 V, 4.1 W, lithium-ion, removable, rechargeable, up to 8 h charging time, up to 200 h standby time, up to 17 h narrowband talk time, up to 12 h wideband talk time
  - Charging cradle: Power adapter 100 - 240 V, AC, 50 - 60 Hz, 250 mA | 5.5 V, DC, 600 mA
- Wired interfaces
  - DECT handset → Headset connectivity: 3.5 mm miniature audio jack
  - Charging cradle → Power adapter: 5.5 mm coaxial power connector (socket)
- Wireless interfaces
  - Network connectivity: DECT[2]
  - Third party headset support: Bluetooth

Audio devices, codecs and features

- Casing microphone | Casing speaker | External speaker
  - Speakerphone mode
  - Full duplex, HD audio
- Audio codecs
  - Codec negotiation
  - G.722, G.726, G.711
- Related features
  - Hearing aid compatible (HAC)
  - Built-in assignable ringtones: 6
  - Vibration alarm

Directory support and call features

- Up to 2 simultaneous calls
- Directory support
  - Local directory with up to 100 entries
  - Central directory on the base station
  - LDAP (server-based directory)
- Incoming call features
  - Caller identification (CLIP)
  - **Call barring / blocking:** Do Not Disturb (DND) mode
  - Call waiting/swapping
  - Auto answer
  - Call diversion
- Outgoing call features
  - Redial (via dialled calls list)
  - Speed dialling
  - Calling Line Identification Restriction (CLIR)
- Connected call features
  - Hold
  - Blind call transfer
  - Attended call transfer

- 3-way (2+1) local conferencing
- Related features
  - Call history of 50 missed, received, dialed calls
  - Notification of missed calls
  - Voice message waiting notification

User interfaces and setup

- Configuration and setup via menu-driven phone user interface (PUI)
- Localisation:
  - Languages: English, German, French, Italian, Spanish, Dutch, Portuguese, Swedish, Turkish, Danish, Norwegian, Polish
  - Time zone, dial tone

DECT technology and features

- Standard: DECT^2
  - Authentication/encryption of base and handset
  - Wideband audio
- Frequency band
  - Europe: 1,880 - 1,900 MHz
  - USA: 1,920 - 1,930 MHz
  - Latin America: 1,910 - 1,930 MHz
- Output power
  - Europe: < 250 mW
  - USA: < 140 mW
- Coverage
  - Up to 50 m indoor range
  - Up to 300 m outdoor range
- Related features
  - Coverage warning
  - Auto registration when not registered
  - Date and time synchronization from base station
  - Software upgrade over the air (SUOTA)

Snom accessories and compatible devices

- Battery: 3.7 V, 1,100 mAh, lithium-ion (PN 00003932)
- Base stations
  - M400 (PN 00004587)
  - M900 (PN 00004426, PN 00004441)
  - M900 outdoor (PN 00004478)
- Repeaters
  - M6 (PN 00004638, PN 00004639, PN 00004640)
- Power adapter clips
  - UK: PN 00003931
- Wired headset via 3.5 mm miniature audio jack

- A100M (PN 00004341), A310D (PN 00004626), A310M (PN 00004624)

Environmental conditions

- Operating ambient temperature: –10 °C - +50 °C
- Charging condition: 5 °C - +40 °C

Package contents

- Hardware
  - DECT handset M85 | Battery | Belt clip
  - Charging cradle | Power adapter | Power adapter clips: EU / Americas
- Documentation
  - **Quick Installation Guide**

Series overview

| M25 | M30 | M65 | M70 | M80 | M85 | M90 | A190 |

| M400 | M900 | M900 Outdoor | M6 | M9B | M9T | MC10 | DECT Measuring Kit |

[1] The device's materials (plastics, metals, seals) degrade, crack, or fail when exposed to certain chemicals (like alcohol, phenols, aldehydes). Failure to comply may result in the warranty becoming void.

[2] DECT devices manufactured for the USA and Canada are marketed as DECT 6.0

Disclaimer

Further information: Snom M85 webpage | Snom Service Hub M85 | Quick Installation Guide M85 | User manual M85 | Warranty information | Type approval | Company locations

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