

# DECT handset ML440

Multiline mobile handset for use in office environments



**The DECT handset ML440 is a multi-line handset ideally suited for offices as well as in demanding environments, satisfying the most advanced requirements for voice communications in a professional business environment.**

**The ML440 provides mobility, flexibility and accessibility, without compromising on comfort and ease of use. It offers a robust design, large display, easy to use keyboard and dual charger.**

- Provides many different call control features seamlessly integrated with the PBX
- Dedicated line keys with led indication for multi-line functionality
- Any place accessibility improving customer satisfaction, while users keep full control over their presence
- Valuable unified communications, including central directory access, presence phone book and calendar entries
- A robust design and intuitive user interface with colour display and icon based menus
- A dual charger allowing an additional battery to be charged
- Provides freedom, comfort and flexibility to the user with options such as headset and built-in trembler
- DECT compliance for high quality speech and security
- High definition audio in line with CAT-iq

## *At a Glance*

- True on-site mobility
- Cost-effective solution
- Proven technology
- Crystal clear speech
- Seamless handover in multi-cell IP DECT
- Secure air interface through powerful encryption
- Seamless integration with PBX
- Supported on SV8100 systems



## Features

<b>Call handling<sup>1)</sup></b>	<ul style="list-style-type: none"> <li>Automatic call answer</li> <li>Caller log</li> <li>CLI (name and number support)</li> <li>Last number redial</li> </ul>	<ul style="list-style-type: none"> <li>Recall/hold (enquiry)</li> <li>Standby time up to 160 hours</li> <li>Silent Charging</li> <li>Talk time up to 20 hours</li> </ul>
<b>Design</b>	<ul style="list-style-type: none"> <li>Robust design for use in professional environments</li> <li>Triple colour LED indication for e.g. missed call and MWI</li> </ul>	<ul style="list-style-type: none"> <li>Dust and water resistance: IP40</li> <li>HAC compliant</li> </ul>
<b>Directory</b>	<ul style="list-style-type: none"> <li>Corporate directory</li> </ul>	<ul style="list-style-type: none"> <li>Personal phone book with multiple numbers per contact</li> </ul>
<b>Display</b>	<ul style="list-style-type: none"> <li>Color graphic 2.0" TFT display, 176 x 220 px (65K)</li> <li>Illuminate display on incoming calls</li> <li>Power saving mode: display dim lit or completely off</li> </ul>	<ul style="list-style-type: none"> <li>Date &amp; time indication: synchronized with PBX clock</li> <li>Character set: Unicode Standard 4.1</li> <li>LCD Backlit</li> </ul>
<b>Headset</b>	<ul style="list-style-type: none"> <li>Wired headset support (2.5 mm)</li> </ul>	
<b>Keys</b>	<ul style="list-style-type: none"> <li>Function and keypad keys: 24 keys with 12 keypad keys (0..9, *, #) with text mode support</li> <li>Recall (enquiry) key combined with on-hook key</li> <li>Menu navigation keys: up, down, left and right and OK</li> <li>Keypad backlit</li> <li>Speakerphone key</li> </ul>	<ul style="list-style-type: none"> <li>On- and off-hook: 2 separate keys</li> <li>Power on/off key combined with off-hook key</li> <li>Soft keys: 3, menu dependent function</li> <li>Increase and decrease volume</li> <li>Menu key</li> <li>4 programmable multi line (ISIP) function keys</li> </ul>
<b>Localization</b>	<ul style="list-style-type: none"> <li>Supported languages: 11</li> </ul>	
<b>Menu</b>	<ul style="list-style-type: none"> <li>Easy menu programming</li> </ul>	
<b>Mobility</b>	<ul style="list-style-type: none"> <li>Antenna diversity</li> </ul>	
<b>Other features</b>	<ul style="list-style-type: none"> <li>Automatic key lock</li> </ul>	<ul style="list-style-type: none"> <li>Accessory features: Calculator, stopwatch and alarm clock</li> </ul>
<b>Sound/Audio</b>	<ul style="list-style-type: none"> <li>Adjustable ringer volume</li> <li>Loudspeaker mode/hands free</li> <li>Trembler</li> </ul>	<ul style="list-style-type: none"> <li>Adjustable earpiece/loudspeaker volume</li> <li>Microphone mute</li> <li>Silent ring support</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>Automatic encryption for secure calls</li> </ul>	
<b>Service/Maintenance</b>	<ul style="list-style-type: none"> <li>Software upgrading via air interface <sup>2)</sup></li> <li>Software upgrading via USB interface</li> </ul>	<ul style="list-style-type: none"> <li>Backup of local data via memory card</li> </ul>
<b>User data</b>	<ul style="list-style-type: none"> <li>Internal memory for storage of configuration data, personal phone book, messages, caller log, caller filter and calendar entries</li> </ul>	<ul style="list-style-type: none"> <li>Optional memory card</li> </ul>
<b>User interface</b>	<ul style="list-style-type: none"> <li>Icon driven menu</li> <li>Configurable tricolour LED indicator, e.g., for missed call and message waiting</li> <li>Ringer tones/melodies: 20</li> <li>Selectable display background</li> </ul>	<ul style="list-style-type: none"> <li>Status line indicators in the display</li> <li>Distinctive melodies for external and internal calls, messages and priorities and per contact in the local phone book</li> <li>Audible indicators are user selectable</li> </ul>
<p>1) Features depend on the capabilities of the PBX and the DECT system used</p> <p>2) Needs to be supported by the DECT system</p>		

Physical Characteristics

Dimensions	<ul style="list-style-type: none"><li>Handset: 168.4x47.8x24.2 mm</li><li>Charger: 67x75x75 mm</li></ul>
Weight	<ul style="list-style-type: none"><li>Handset: 146 g</li><li>Charger: 77 g</li><li>AC Adapter: 86 g</li></ul>
Protection	<ul style="list-style-type: none"><li>Handset: IP40</li></ul>
Range	<ul style="list-style-type: none"><li>Indoor: 50 m max <sup>3)</sup></li><li>Outdoor: 300 m max <sup>3)</sup></li></ul>
Power Supply	<ul style="list-style-type: none"><li>Handset: 3.7V, 1100mAh Lithium-ion battery</li><li>Charger: Powered via AC/DC adapter</li><li>Input: 100-240VAC/50/60Hz</li><li>Output: 5.5VDC/600mA</li><li>Mains plug: Euro, UK and Australia <sup>4)</sup></li></ul>
Colour and Finishing	<ul style="list-style-type: none"><li>Handset: Black with dark grey keys</li><li>Desktop charger: Black</li></ul>
Audible indicators	Selectable audible indicators: <ul style="list-style-type: none"><li>Key click</li><li>Coverage warning</li><li>Charger warning</li><li>Confirmation tone</li></ul>
Status line indicators	<ul style="list-style-type: none"><li>Battery condition</li><li>Field strength</li><li>Key lock active</li><li>Microphone mute</li><li>Ringer off</li></ul>
LED indicators	Three user selectable indicators can be assigned to the tricolour indicator LED: <ul style="list-style-type: none"><li>Battery low</li><li>Missed call</li><li>Voice message</li></ul>
Supported menu languages	The handset supports 11 selectable languages: Danish, Dutch, English, French, German, Italian, Norwegian, Polish, Portuguese, Spanish, Swedish
<p>3) The radio coverage of DECT handsets depends on the environment and the presence of obstacles</p> <p>4) The mains plug contains a changeable part for the different power plugs</p>	

Accessories

ML440 handset accessories	<ul style="list-style-type: none"><li>Belt clip</li><li>Battery pack</li><li>Desktop Charger with adapter</li></ul>
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Transmission & Frequency

Transmitted radio RF power	Less than 250 mW
Average Radio RF power	10mW
Frequency band EMEA	1880 – 1900 MHz

Environmental Conditions

Temperature range	Operating: 0°C to +40°C
	Transport: -25°C to +70°C
	Storage: -5°C to +45°C
Relative Humidity	Operating: 10 to 95%
	Transport: 10 to 100%
	Storage: 10 to 95%

Package content

ML440 handset with belt clip
Lithium-ion battery pack
Desktop charger and AC adapter

Compliance

The ML440 handset carries a CE mark (European directive 1999/5/EC)	
EMC	EN 301 489-1, EN 301 489-6
EMF	EN 50360
RF	EN 301 406
Safety	EN 60950-1

Compatibility

Platform Compatibility	<ul style="list-style-type: none"><li>SV8100</li></ul>
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## Directives & Regulations

### European Union

- R&TTE directive 1999/5/EC
- EMC directive 2004/108/EC
- LVD directive 2006/95/EC
- ROHS directive 2011/65/EU
- WEEE directive 2012/19/EU
- ERP directive 2009/125/EC

## Access Point



Status LED

Earpiece

Volume up

Headset jack

Volume down

Mute

Display

Soft Keys

Off hook/enquiry

On hook/Clear/Power

Speaker on/off

Menu

Navigation keys

Select/OK

Keypad (0-9, \*, #)

Function keys (F1-F4)

Microphone

Charging contacts

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