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 and SV9100 systems

Features

Call handling[1]	• Automatic call answer • Caller log • CLI (name and number support) • Last number redial	• Recall/hold (enquiry) • Standby time up to 160 hours • Silent Charging • Talk time up to 20 hours
Design	• Robust design for use in professional environments • Triple colour LED indication for e.g. missed call and MWI	• Dust and water resistance: IP40 • HAC compliant
Directory	• Corporate directory	• Personal phone book with multiple numbers per contact
Display	• Color graphic 2.0" TFT display, 176 x 220 px (65K) • Illuminate display on incoming calls • Power saving mode: display dim lit or completely off	• Date & time indication: synchronized with PBX clock • Character set: Unicode Standard 4.1 • LCD Backlit
Headset	• Wired headset support (2.5 mm)	
Keys	• Function and keypad keys: 24 keys with 12 keypad keys (0..9, *, #) with text mode support • Recall (enquiry) key combined with on-hook key • Menu navigation keys: up, down, left and right and OK • Keypad backlit • Speakerphone key	• On- and off-hook: 2 separate keys • Power on/off key combined with off-hook key • Soft keys: 3, menu dependent function • Increase and decrease volume • Menu key • 4 programmable multi line (ISIP) function keys
Localization	• Supported languages: 11	
Menu	• Easy menu programming	
Mobility	• Antenna diversity	
Other features	• Automatic key lock	• Accessory features: Calculator, stopwatch and alarm clock
Sound/Audio	• Adjustable ringer volume • Loudspeaker mode/hands free • Trembler	• Adjustable earpiece/loudspeaker volume • Microphone mute • Silent ring support
Security	• Automatic encryption for secure calls	
Service/Maintenance	• Software upgrading via air interface [2] • Software upgrading via USB interface	• Backup of local data via memory card
User data	• Internal memory for storage of configuration data, personal phone book, messages, caller log, caller filter and calendar entries	• Optional memory card
User interface	• Icon driven menu • Configurable tricolour LED indicator, e.g., for missed call and message waiting • Ringer tones/melodies: 20 • Selectable display background	• Status line indicators in the display • Distinctive melodies for external and internal calls, messages and priorities and per contact in the local phone book • Audible indicators are user selectable

1) Features depend on the capabilities of the PBX and the DECT system used
2) Needs to be supported by the DECT system

Physical Characteristics

Dimensions	• Handset: 168.4x47.8x24.2 mm • Charger: 67x75x75 mm
Weight	• Handset: 146 g • Charger: 77 g • AC Adapter: 86 g
Protection	• Handset: IP40
Range	• Indoor: 50 m max [3] • Outdoor: 300 m max [3]
Power Supply	• Handset: 3.7V, 1100mAh Lithium-ion battery • Charger: Powered via AC/DC adapter • Input: 100-240VAC/50/60Hz • Output: 5.5VDC/600mA • Mains plug: Euro, UK and Australia [4]
Colour and Finishing	• Handset: Black with dark grey keys • Desktop charger: Black
Audible indicators	Selectable audible indicators: • Key click • Coverage warning • Charger warning • Confirmation tone
Status line indicators	• Battery condition • Field strength • Key lock active • Microphone mute • Ringer off
LED indicators	Three user selectable indicators can be assigned to the tricolour indicator LED: • Battery low • Missed call • Voice message
Supported menu languages	The handset supports 11 selectable languages: Danish, Dutch, English, French, German, Italian, Norwegian, Polish, Portuguese, Spanish, Swedish

3) The radio coverage of DECT handsets depends on the environment and the presence of obstacles
4) The mains plug contains a changeable part for the different power plugs

Accessories

ML440 handset accessories	• Belt clip • Battery pack • Desktop Charger with adapter

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	• SV8100 and SV9100

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

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Soft Keys

NEC

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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