

# DECT handset I755

Robust mobile handset for voice and messaging in demanding environments



The IP DECT handset I755 has a ruggedized design for use in potentially demanding environments, such as in healthcare, manufacturing and industry. It satisfies the most advanced requirements for voice and message communications environments.

- Provides many different call control features seamlessly integrated with the PBX
- Any place accessibility improving customer satisfaction, while users keep full control over their presence
- Valuable unified communications, incl. central directory, presence, extensive messaging and alarming
- Additional protection to users with the man-down function, SOS alarm key and location detection
- 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 bluetooth headset connectivity
- DECT compliance for high quality speech and security
- Dedicated model I755x for ATEX / IECEx environments

## At a Glance

- Care-free use in demanding environments
- Appealing design, easy and intuitive use
- Improves personal security
- Informs users via messaging
- Flexibility, comfort and mobility
- Reduced communication and maintenance costs
- A simple, secure, feature rich solution for very demanding environments, IP54
- Care and Cure
- I755x model for use in potentially explosive atmospheres



i755x

## 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> <li>• Recall/hold (enquiry)</li> <li>• Standby time up to 120 hours</li> </ul>	<ul style="list-style-type: none"> <li>• Call reject option</li> <li>• Caller filter</li> <li>• Crystal clear speech and seamless handover</li> <li>• On-hook number preparation</li> <li>• Silent Charging</li> <li>• Talk time up to 10 hours</li> </ul>
<b>Design</b>	<ul style="list-style-type: none"> <li>• Robust design for use in professional and industrial 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 (splashing) water proof: IP54 <sup>2)</sup></li> <li>• Light and ergonomic design</li> <li>• Inductive charging</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>• Colour graphic TFT display, 160 x 128 pixels (262k)</li> </ul>	<ul style="list-style-type: none"> <li>• Date &amp; time indication: synchronized with PBX clock</li> </ul>
<b>Headset</b>	<ul style="list-style-type: none"> <li>• Wired headset support</li> </ul>	<ul style="list-style-type: none"> <li>• Bluetooth headset support (with additional Bluetooth module)</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>• Distinctive SOS alarm 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: 2, menu dependent function</li> <li>• Increase and decrease volume</li> </ul>
<b>Localization</b>	<ul style="list-style-type: none"> <li>• Supported languages: 14</li> <li>• Triple frequency band</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple (RF) power levels</li> </ul>
<b>Memory card (optional)</b>	<ul style="list-style-type: none"> <li>• Storage of configuration and subscription data, personal phone book and caller filter</li> <li>• Blocking of changes to the configuration settings</li> </ul>	<ul style="list-style-type: none"> <li>• Easy subscription to another handset by transferring the memory card</li> <li>• Easy (pre-)installation by programming the memory card</li> </ul>
<b>Menu</b>	<ul style="list-style-type: none"> <li>• Easy menu programming</li> </ul>	
<b>Messaging</b>	<ul style="list-style-type: none"> <li>• Messaging (LRMS) support</li> <li>• Message waiting (voicemail)</li> <li>• Support of different urgencies/priorities: Normal, urgent and emergence</li> </ul>	<ul style="list-style-type: none"> <li>• Message broadcast support</li> <li>• Set-up of voice call to call back number in messaget</li> </ul>
<b>Mobility</b>	<ul style="list-style-type: none"> <li>• Antenna diversity</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple subscriptions DECT systems: 8 <sup>3)</sup></li> </ul>
<b>Other features</b>	<ul style="list-style-type: none"> <li>• Key lock: automatic and manual</li> </ul>	<ul style="list-style-type: none"> <li>• Accessory features: Calculator, stopwatch and alarm clock</li> </ul>
	<ul style="list-style-type: none"> <li>• Man down detection: Detection of non-vertical position leads to dialling a programmed destination</li> </ul>	<ul style="list-style-type: none"> <li>• RFID tag</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>4)</sup></li> <li>• Software upgrading via headset connector (2.5 mm)</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>

1) Features depend on the capabilities of the PBX and the DECT system used

2) IP40 in case of headset use

3) Without memory card: 4 subscriptions. With memory card: first 4 subscriptions are stored on the memory card, next subscriptions are stored in the internal memory. The subscriptions stored on the memory card can be moved over to another handset

4) Needs to be supported by the DECT system

## Physical Characteristics

<b>Dimensions</b>	Handset: 127x46x22 mm Charger: 93x80x70 mm Charger Rack: 545x108x85 mm
<b>Weight</b>	Handset: 120 g Charger: 137 g AC Adapter: 94 g Charger Rack: 1600 g AC Adapter Charger Rack: 339 g
<b>Protection</b>	Handset: IP54
<b>Range</b>	Indoor: 50 m max <sup>5)</sup> Outdoor: 300 m max <sup>5)</sup>
<b>Power Supply</b>	<ul style="list-style-type: none"> <li>Handset: 3.7V, 650mAh Lithium-ion battery</li> <li>Handset I755x: 3.7V, 430mAh Lithium-ion battery</li> <li>Charger: Powered via AC/DC adapter</li> <li>Input: 100-240VAC/50/60Hz/250mA</li> <li>Output: 12VDC/400mA</li> <li>Mains plug: Euro, UK, North America or Australia <sup>6)</sup></li> <li>Charger rack: Powered via AC/DC adapter</li> <li>Input: 100-240VAC/50/60Hz/500mA</li> <li>Output: 12VDC/2500mA</li> <li>Mains plug: Euro, UK, North America or Australia <sup>6)</sup></li> </ul>
<b>Colour and Finishing I755s</b>	<ul style="list-style-type: none"> <li>Handset: Light grey – dark grey protective rim</li> <li>Desktop charger: Light grey (front) – dark grey (back)</li> <li>Charger rack; Dark and light grey</li> </ul>
<b>Colour and Finishing I755sd</b>	<ul style="list-style-type: none"> <li>Handset: Dark grey – orange protective rim</li> <li>Desktop charger: Dark grey (front) – orange (back)</li> <li>Charger rack; Dark and light grey</li> </ul>
<b>Audible indicators</b>	Selectable audible indicators: <ul style="list-style-type: none"> <li>Key click</li> <li>Coverage warning</li> <li>Charger warning</li> <li>Battery low alarm</li> <li>Confirmation tone</li> </ul>
<b>Status line indicators</b>	Status line indicators in the display are: <ul style="list-style-type: none"> <li>Battery condition</li> <li>Caller filter active</li> <li>Field strength</li> <li>Key lock active</li> <li>Loudspeaker active</li> <li>Message waiting</li> <li>Microphone mute</li> <li>Missed call</li> <li>Ringer off</li> </ul>
<b>LED indicators</b>	Three of the following user selectable indicators can be assigned to the tricolour indicator LED: <ul style="list-style-type: none"> <li>Battery low</li> <li>Man down</li> <li>Missed call</li> <li>Text message</li> <li>Text or voice message</li> <li>Voice message</li> </ul>
<b>Supported menu languages</b>	The handset supports 14 selectable languages: Danish, Dutch, English, French, German, Greek, Italian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish
<p>5) The radio coverage of DECT handsets depends on the environment and the presence of obstacles</p> <p>6) The mains plug contains a changeable part for the different power plugs</p>	

## Accessories

<b>I755 handset accessories</b>	<ul style="list-style-type: none"> <li>Swivel belt clip attachment and swivel belt clip</li> <li>Belt clip</li> <li>Horizontal pouch (fixed belt-clip, handset needs to be removed when used)</li> <li>Vertical pouch (swivel belt-clip, handset can be used while in pouch)</li> <li>Memory card</li> <li>Battery pack</li> <li>Desktop Charger with adapter</li> <li>Charger rack (6 handsets) with AC Adapter</li> <li>Bluetooth module</li> <li>Bluetooth headset</li> <li>Wired headset</li> </ul>
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## Transmission & Frequency

<b>Transmitted radio RF power</b>	Less than 250 mW <sup>7)</sup>
<b>Average Radio RF power</b>	10mW
<b>Frequency band EMEA</b>	1880 – 1900 MHz
<b>Frequency band China <sup>8)</sup></b>	1900 – 1920 MHz
<b>Frequency band Latin America <sup>8)</sup></b>	1910 – 1930 MHz
<b>Frequency band North America <sup>8)</sup></b>	1920 – 1930 MHz
<p>7) The transmitted Radio RF power is according to local regulations</p> <p>8) The I755 handset has a triple frequency band and can be used in the EMEA, American and Chinese DECT frequency band</p>	

## Environmental Conditions

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

## Package content

<b>I755s or I755d handset with belt clip</b>
<b>Lithium-ion battery pack</b>
<b>Belt clip cover</b>

## Compliance

The I755 handset carries a CE mark (European directive 1999/5/EC)	
<b>EMC</b>	EN301 489-1, EN301 489-6
<b>EMF</b>	EN50360
<b>RF</b>	EN301 406
<b>Safety</b>	EN 60950-1
<b>Compliance Bluetooth module</b>	
When equipped with an optional Bluetooth module, the I755 is also in conformance with:	
<b>EMC</b>	EN301 489-1, EN301 489-17
<b>RF</b>	EN300-328

## ATEX / IECEx Compliance (I755x)

<b>ATEX</b>	94/9/EC Directive
<b>General Requirements</b>	EN60079-0: 2009
<b>Intrinsic Safety</b>	EN60079-11: 2007
<b>IECEx Scheme</b>	IEC60079-0: 2009 IEC60079-11: 2007
<b>Country coverage</b>	Australia, Canada, Japan, Czech Republic, Denmark, Finland, China, France, Germany, Hungary, Italy, Korea, Netherlands, Norway, New Zealand, Romania, Russian Federation, Singapore, Slovenia, South Africa, Sweden, Switzerland, United Kingdom, USA, Serbia & Montenegro
<b>IECEx/ATEX marking</b>	II 3G Ex ic IIC T4
<b>IP Classification</b>	IP54

## Directives and regulation

<b>Directives and regulations Europe</b>
R&TTE directive 1999/5/EC
EMC directive 2004/108/EC
LVD directive 2006/95/EC
ROHS directive 2002/95/EC and WEEE directive 2002/96/EC
ERP directive 2009/125/EC
<b>Directives and regulations North America</b>
FCC part 15C, 15D
RSS 210, RSS 213
HAC/VC

## Access Point



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