

DECT Handset G577

Professional mobile handset with alarming, messaging and multi-line capabilities



At a glance

- > Appealing design, lightweight and slimline
- > Bright 2-inch high resolution display
- > Large SOS-key for personal safety
- > Drop resistant design and IP65
- > Rugged belt-clip
- > Voice, alarming, messaging and location services
- > Central directory and presence
- > Simple plug-and-play with MicroSD card
- > Very long battery life and standby time
- > Anti-bacterial (G577h) version
- > 4 function (line-) keys
- > USB-C interface
- > Bluetooth for location services and headset connectivity

DECT handset G577 is a sophisticated mobile handset combining mobile unified communications with a range of alarming and messaging capabilities, to facilitate task management, staff/patient safety and rich messaging in various businesses, hospitality and healthcare.

Main Product Features

- > Provides many different call control features seamlessly integrated with the PBX
- > Offers staff in various demanding environments mobile interaction under all conditions
- > Valuable unified communications, including central directory access, presence and extensive messaging and alarming features
- > Dedicated programmable keys with LED indication
- > Intuitive user interface with colour display and icon-based menus
- > A single or dual charger allowing an additional battery to be charged and compatible with previous generation chargers
- > Provides freedom, comfort and flexibility to the user with options such as Bluetooth - or wired headset and built-in trembler
- > DECT compliance for high-quality speech and security
- > High-definition audio

G577h (healthcare)

- > Anti-bacterial treated plastics, lens and rubber parts
- > Healthcare version in distinctive colour (white)
- > Same capabilities as G577

Features G577

| | | |
|------------------------------------|--|---|
| Call handling ¹⁾ | Automatic call answer | Call reject option |
| | Caller log | HD audio and seamless handover |
| | CLI (name and number support) | On-hook number preparation |
| | Last number redial | Silent Charging |
| | Recall/hold (enquiry) | Talk time up to 20 hours |
| | Standby time up to 160 hours | |
| Design | Robust design for use in professional environments | Dust and water resistance: IP65 |
| | Triple colour LED indication for e.g. missed call and MWI | HAC compliant |
| Directory | Corporate directory | Personal phone book with multiple numbers per contact |
| Display | Color graphic 2.0" TFT display, 240 x 320 px (65K) | Date & time indication: synchronized with PBX clock |
| | Illuminate display: on incoming calls and message | Character set: WideChar (UTF-16) |
| | Power saving mode: display dim lit or completely off | LCD Backlit |
| Headset | Wired headset support (USB-C) | Bluetooth headset |
| Keys | 12 keypad keys (0..9, *, #) with text mode support | On- and off-hook: 2 separate keys |
| | 4 function keys for speed dialling and menu shortcuts | Power on/off key combined with off-hook key |
| | Recall (enquiry) key combined with on-hook key | Soft keys: 3, menu dependent function |
| | Menu navigation keys: up, down, left and right and OK | Increase and decrease volume |
| | Distinctive SOS alarm key | Menu key |
| | Keypad backlit | Speakerphone key |
| Localization | Supported languages: 14 | Multiple (RF) power levels |
| Memory card (optional) | Triple frequency band | |
| | Storage of configuration and subscription data personal phone book and caller filter | Easy subscription transfer to another handset via memory card programming |
| | Easy (pre-)installation via memory card programming | Memory card type: MicroSD |
| | Blocking of changes to the configuration setting | |
| Menu | Easy menu programming | |
| Messaging | Messaging (LRMS) support | Message broadcast support |
| | Priority messaging support: Normal, urgent and emergency | Set-up of voice call to call back number in message |
| | Message waiting (voicemail) | |
| Mobility | Antenna diversity | Multiple subscriptions DECT systems: 10 |
| Other features | Automatic key lock | Accessory features: calculator, stopwatch, alarm clock |
| Sound/Audio | Adjustable ringer volume | Adjustable earpiece/loudspeaker volume |
| | Loudspeaker mode/hands free | Microphone mute |
| | Trembler | Silent ring support |
| Security | Automatic encryption for secure calls | |
| Service/Maintenance | Software upgrading via air interface ²⁾ | Backup of local data via memory card |
| | Software upgrading via USB-C interface | 5-year life cycle |
| User data | Internal memory to store configuration data, personal phone book, messages, caller log, caller filter and calendar entries | Optional memory card |
| User interface | Icon driven menu | Status line indicators in the display |
| | Configurable LED (3-col) indicator for e.g. missed call and message waiting | Distinctive melodies for external and internal calls, messages and priorities and per phonebook contact |
| | Ringer tones/melodies: 20 | Audible indicators are user selectable |
| | Selectable display background | |

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

2) Needs to be supported by the DECT systems

Physical Characteristics

| | | |
|---|---|-----------------------|
| Dimensions | Handset: 128 x 49 x 21 mm | |
| | Charger: 60 x 60 x 30 mm | |
| | Charger Rack: 462 x 77 x 61 mm | |
| Weight | Handset: 144 g | |
| | Charger: 60 g | |
| | AC Adapter: 25 g | |
| Protection | Handset: IP65 | |
| Range | Indoor: 50 m max ³⁾ | |
| | Outdoor: 300 m max ⁴⁾ | |
| Power Supply | Handset: 3.7V, 1100mAh Lithium-ion battery | |
| | Charger (EU mains plug, USB output) | |
| | Input: 100-240VAC/50/60Hz/250mA | |
| | Output: 5VDC/1000mA | |
| | Charger (UK, US, AU mains plug, USB output) ⁴⁾ | |
| | Input: 100-240VAC/50/60Hz/125mA | |
| | Output: 5VDC/900mA | |
| Colour and finishing | G577 handset: Black | G577h handset: White |
| | Desktop charger: Black | Charger rack: Black |
| Audible indicators | Key click | Charger warning |
| | Coverage warning | Confirmation tone |
| Status display line indicators | Battery condition | Message waiting |
| | Caller filter active | Microphone mute |
| | Field strength | Missed call |
| | Key lock active | Ringer off |
| | Loudspeaker active | |
| LED indicators (Three of the indicators can be assigned to the indicator LED) | Battery low | Text or voice message |
| | Missed call | Voice message |
| | Text message | |
| Supported menu languages | Danish, Dutch, English, French, German, Greek, Italian, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Turkish | |

³⁾ Radio coverage depends on environment and presence of obstacles

⁴⁾ The mains plug contains a changeable part for the different power plugs

Transmission & Frequency

| | |
|---|--------------------------------|
| Transmitted radio RF power | Less than 250 mW ⁵⁾ |
| Average Radio RF power | 10mW |
| Frequency band EMEA | 1880 – 1900 MHz |
| Frequency band Thailand ⁶⁾ | 1900 – 1906 MHz |
| Frequency band Latin America ⁶⁾ | 1910 – 1930 MHz |
| Frequency band North America ⁶⁾ | 1920 – 1930 MHz |

⁵⁾ The transmitted Radio RF power is according to local regulations

⁶⁾ The G577 handset has a triple frequency band and can be used in the EMEA, American and Thai DECT frequency band

Environmental Conditions

| Temperature range | Relative Humidity |
|---------------------------|----------------------|
| Operating: -15°C to +55°C | Operating: 10 to 93% |
| Charging: +5°C to +45°C | Transport: 10 to 95% |
| Storage: -20°C to +60°C | Storage: 10 to 93% |
| Transport: -30°C to +60°C | |

Compliance

| | |
|-----------------------------|---|
| EMC | EN 301 489-1, EN 301 489-6, EN 301 489-17 |
| EMF | EN 50663, EN 62479 |
| RF | EN 300 328, EN 301 406 |
| SAR | EN 61000-4-2, EN 61000-4-3 |
| Safety | EN 62368-1 |
| Bluetooth | Version 4.2 |
| G577h anti-bacterial | ISO22196-2011 (2nd edition) |

Compatibility

| | |
|-------------------------------|--|
| Platform Compatibility | All NEC Communication Platforms ⁷⁾ |
| | Certified SIP enabled PBXs or SIP servers |
| | Alcatel Lucent, Avaya, Cisco and Broadsoft certified systems |

⁷⁾ SL Series, SV8xxx, SV9xxx, iS3000/SIP@Net, 3C

Directives & Regulations

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|-------------|--|
| EMC | 2014/30/EU - Electromagnetic Compatibility |
| LVD | 2014/35/EU - Low Voltage Directive |
| RED | 2014/53/EU - Radio Equipment Directive |
| RoHS | 2011/65/EU - Restriction of the use of certain hazardous substances in EEE |
| WEEE | 2012/19/EU - Waste Electrical and Electronic Eqpmnt |
| ERP | 2009/125/EC - Eco-design requirements for Energy-Related Products (ErP) |

G577/G577h resistance to cleaning liquids

| | |
|-----------------------------|--|
| Resistance to fluids | EN ISO 2812-4:2007 EN - Paints and varnishes – Determination of resistance to liquids - Part 4: Spotting methods |
| | Liquids: |
| | 99% concentration of isopropyl alcohol |
| | Undiluted dishwasher detergent |
| | 3% Hydrochloric Acid |
| | M-alcohol (85% methylated ethanol) |

G577h Antibacterial Characteristics

| | |
|-------------------------|----------------------|
| Plastic parts | BactiBlock®: 920 B0 |
| Rubber parts | SteriTouch®: ST10210 |
| Lens coating | SteriTouch®: ST1012 |
| Clip rubber grip | SteriTouch®: ST1007 |

Accessories

| | |
|---------------------------------|---|
| G577 handset accessories | Swivel belt clip attachment and swivel belt clip |
| | Belt clip |
| | USB-C to 3.5 mm conversion cable |
| | Vertical pouch (swivel belt-clip, handset can be used while in pouch) |
| | Battery pack |
| | Desktop charger with/without spare battery charger and AC adapter |
| | Charger rack (6 handsets) with AC adapter |

Package Content **G577 package content**

| | |
|-----------------------------|--------------------------|
| G577 handset with belt clip | |
| | Lithium-ion battery pack |

DECT Handset G577 & G577h



The G577h has been designed for healthcare. Special substances have been added to the plastics, lens and rubber parts in order to minimise the risk of bacterial infections. The handset can be cleaned with agents commonly used in healthcare institutes. The placing of the keys allows easy cleaning of the keypad surface.



Gx77 Desktop charger and spare battery desktop charger



USB-C to 3.5 mm conversion cable



Charger rack (6 handsets) with AC adapter



G577 at various angles - SOS button

For further information please contact your local NEC representative or:

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