# IP DECT (100 Series & GDC-800)

## Service Mode Management Guide

Please read this guide carefully before operating your set. Retain it for future reference.

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## Document Information

| Issue | Date | Description of Changes |
|---|---|---|
| 1.0 | 2013-10-30 | Initial release |
| 2.0 | 2015-01-08 | General Updates |
| 2.1 | 2019-03-08 | Added 100 series |
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# Before Starting

## About this Guide

This guide describes the features available through the Service Menu of the IP DECT Handset. User operation of the handset is provided in the IP DECT User Guide.

### Audience

This guide is intended system administrators and installers who need access to the management features available through the IP DECT service menu. This guide and the service menu are not intended for the handset user.

### References or Related Documentations

- User Guide
- IP DECT Base Station Guide

### Notices

The following notices and statements are used in this user guide. They will help you to use your application properly.

**CAUTION**

A caution statement alerts you to situations that may cause serious damage to hardware, software, or data.

**NOTE**

A note provides additional explanations, important information, or a reference to related information.

# Service Menu Management

This section describes the features of the Service Menu and steps to access the menu options. This menu is intended for use by administrators and installers of the iPECS IP DECT system.

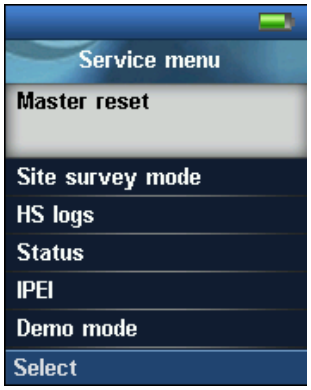
## Service Menu

The service menu is intended for installers and maintenance personnel and is not intended for access by the end-user. This service menu includes the following selections:

- Master reset
- Site survey mode
- HS logs
- Status
- IPEI
- Demo mode
- Test Tone
- Handover
- Headset Trace
- Auto Call Test

**To access the service menu**

1. Press the Menu ( ) button while the handset is idle
2. Dial '*SERVICE*' (digits *7378423*) to display the Service Menu.



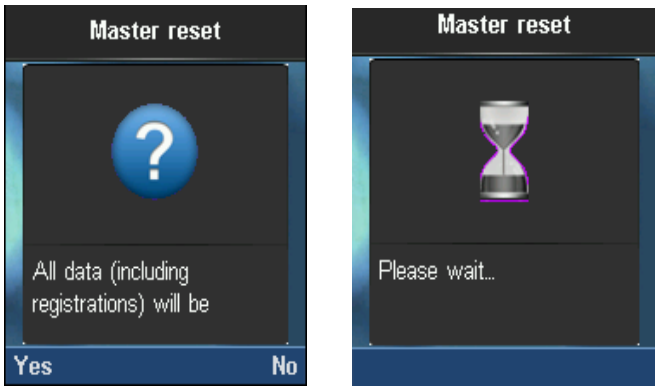
# Service Menu Options

Each of the service menu selections is described in this section.

## Master Reset

The Master Reset returns the settings of the handset to the default values and removes any handset registrations.

**Valid input:** Yes or No



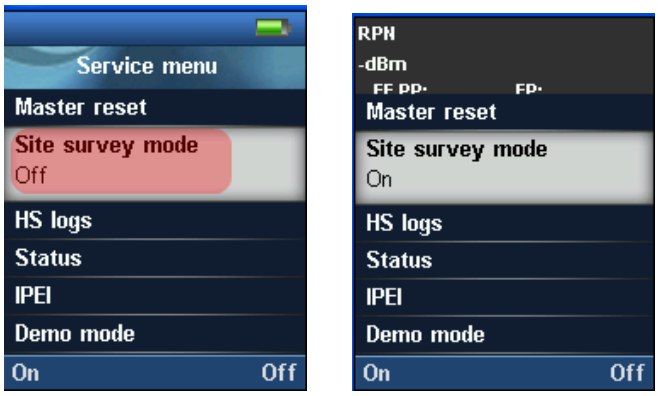

## Site Survey Mode

The Site Survey mode is employed to determine the RSSI (Received Signal Strength Indication) of nearby base stations and repeaters.

In the Site Survey mode, the handset displays the RSSI of up to five base stations and/or repeaters.

For details on use of the Site Survey mode, refer to the IP DECT base station and GDC-800R repeater installation and administration guide.

**Valid input:** Off or On



The figure and chart below describe the information displayed while the handset is in the Site Survey mode.

```
Line1:  RPN    28 20 03
Line2:  -dBm   56 84 78
Line3:  FE PP: 1  FP: 4
```

- Line 1: RPN – displays the Radio Part Number of up to five nearby base stations and repeaters
- Line 2: -dbm - displays the signal strength of the nearby base stations and repeaters
- Line 3: FE PP – displays the Frame Errors (sync & CRC) per second for the handset

FP – displays the Frame Errors (sync & CRC) per second for the base station/repeater

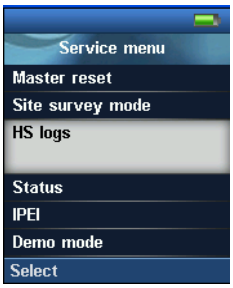
**NOTE**

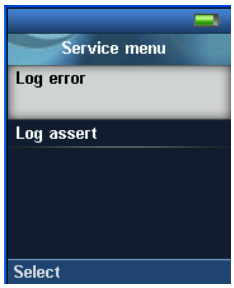
The Frame error information is displayed for the active RF connection only; the error rate on different channels or base stations will be different.

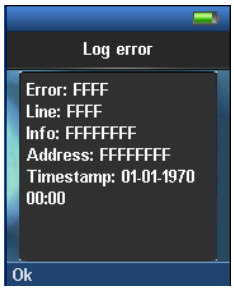
# HS Logs

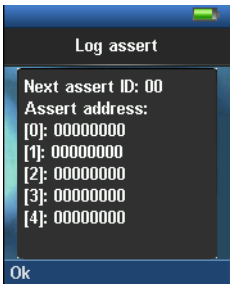
This log is a design debug tool that displays error logs, the register and address executed due to the error. It is intend for use at the design level only.

**Valid input:** Log error or Log assert



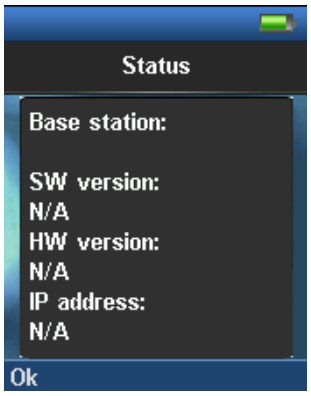

# Status

The status selection displays the status and information on the handset and connected base station or repeater. Information provided includes the following:

- Software version
- Hardware version
- IP Address
- DECT band in use
- IP address
- MAC address

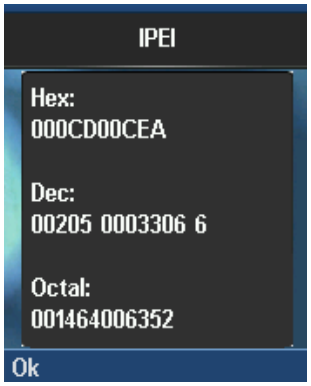
- Battery level - handset status only
- IPEI (International Portable Equipment Identity) - handset only

**Valid input:** Base station or Handset Status



## IPEI

The IPEI (International Portable Equipment Identity) is the unique identifier of the handset and DECT repeater. The IPEI is displayed in the hexadecimal and octal values.




## Demo mode

The demo mode is employed to activate the backlight constantly. Note that in this mode, the backlight increases the power consumption of the handset and thus will shorten the useful battery charge period.

**NOTE**

The handset may not perform properly if this setting is altered from the default value.

**Valid input:** Off or On

## Test Tone on OK key

This function allows the radio to send a 1 KHz audio tone to the connected party to determine if the radio and connection to the base station or repeater is acceptable. To send the tone press and hold the OK button on the handset. The handset microphone circuitry is not used to send audio.

**NOTE**

The handset may not perform properly if this setting is altered from the default value.

**Valid input:** Off or On.

## Handover

During a call, the DECT handset monitors the received signal strength of nearby base stations and repeaters to determine the best RF connection. If necessary, the handset will change the RF connection to another base station or repeater to improve performance. The handset can be configured to handover automatically, manually or block handovers (Fail setting).

**NOTE**

The handset may not perform properly if this setting is altered from the default value.

**Valid input:** Handover, Auto, Fail or External

## Headset trace

The headset trace is a design level tool to determine the headset audio connection.

**NOTE**

The handset may not perform properly if this setting is altered from the default value.

**Valid input:** Off or On

## Auto call test

The Auto call test is a design level tool intended to verify an audio connection.

**NOTE**

The handset may not perform properly if this setting is altered from the default value.

**Valid input:** Off or On

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