



## IP DECT (100 Series & GDC-800)

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### Quick Guide - adding handsets

Please read this quick 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 Update
2.1	2019-03-08	Added 100 series

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# Introduction

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This guide describes how to add Extensions and register handsets to an existing IP DECT system. Installation and configuration of base stations and repeaters is provided in the referenced base station and repeater Installation and Administration guide.

## Related Documentations

- IP DECT Base Station and Repeater Install and Admin Guide.

## Notes

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



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### CAUTION

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

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### NOTE

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

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# Adding Extensions

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In the IP DECT system, Extension refers to the SIP user id that a handset will register to use.

The base station will register the id to the iPECS host as a SIP phone.

As such, the Extension must be configured in the base station and in the iPECS host.

This document covers configuration of the base station.

Configuring the SIP user ids in the iPECS host is covered in the admin document for the specific host.

## Extension Configuration

Extensions are configured in the base station through the web administration server built into the base station software.

### Connecting to the Web Admin

To configure the Extension data, the web server in the base station must be accessed from a browser.

1. Open a browser and point it to the base station. the handset can be employed to identify the IP address.
  - a) Press the Menu button then dial “\*47\*”
  - b) After a short time, the MAC and corresponding IP address of nearby base stations are displayed.
  - c) To access the web manager enter the base station IP address in the browser address field.

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#### NOTE

The MAC address of the base station is listed in the label on the back of the base station.

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2. In the Login page, enter the user name and password for authentication then click **OK**. This will retrieve the web manager home page. By default, the username and password are **admin** and **admin**.

**Connect to ipdetect00087b00aa10** [?] [X]



The server ipdetect00087b00aa10 at requires a username and password.

Warning: This server is requesting that your username and password be sent in an insecure manner (basic authentication without a secure connection).

User name:

Password:

☐ Remember my password

**OK** **Cancel**

## GDC-800Bi

- Home/Status
- Extensions
- Servers
- Network
- Management
- Firmware Update
- Time
- Country
- Security
- Central Directory
- Multi cell
- Repeaters
- Statistics
- Configuration
- Syslog
- SIP Log
- Logout

### Welcome

**System Information:**

Phone Type:  
System Type:  
RF Band:  
Current local time:  
Operation time:  
RFPI-Address:  
MAC-Address:  
IP-Address:  
Firmware-Version:  
Firmware-URL:

Base Station Status:  
**SIP Identity Status on this Base Station:**  
1206952@150.150.131.84

**Multi cell Ready(Keep-alive) Primary**

IPDECT  
Generic SIP (RFC 3261)  
EU  
01/Jan/1970 00:01:57  
00:01:52 (H:M:S)  
120ED51200; RPN:00  
00087b0af761  
192.168.2.195  
IPDECT/10.09/08-Aug-2013 08:50  
Firmware update server address: 150.150.140.145  
Firmware path: /FwuPath  
Idle

Identity 1 Status:                      Registering

Press button to reboot.

## Extension Menu

The Extension menu, shown below, is available from the Home/Status page by selecting “Extensions” from the navigation menu on the left of the page.

GDC-800Bi									
<b>Home/Status</b>  <b>Extensions</b>  <b>Servers</b>  <b>Network</b>  <b>Management</b>  <b>Firmware Update</b>  <b>Time</b>	<b>Extensions</b>								
	<a href="#">Add extension</a> <a href="#">Stop Registration</a>								
	<input type="checkbox"/>	0	1206950		150.150.131.84	0188709929	SIP Registered@RPN04	306.3	Off
	<input type="checkbox"/>	1	1206951		150.150.131.84	018870983C	SIP Registered@RPN04	306.3	Off
	<input type="checkbox"/>	2	1206952		150.150.131.84	0188709838	SIP Registered@RPN04	306.3	Off
	<a href="#">Check All / Uncheck All</a> With selected: <a href="#">Delete Handset(s)</a> <a href="#">Register Handset(s)</a> <a href="#">Deregister Handset(s)</a>								

To add an Extension, use the “Add extension” link.

To edit the data for an Extension, click the desired Extension number from the “Extension” column.

In either case, the Edit Extension page will display as below.

After completing entries for the Extension parameters, refer to the chart below, select the Save button at the bottom of the page.

This will return the Extension list with the new/modified Extension data.

GDC-800Bi	
<b>Home/Status</b>  <b>Extensions</b>  <b>Servers</b>  <b>Network</b>  <b>Management</b>  <b>Firmware Update</b>  <b>Time</b>  <b>Country</b>  <b>Security</b>  <b>Central Directory</b>  <b>Multi cell</b>  <b>Repeaters</b>  <b>Statistics</b>	<b>Edit extension</b>  Extension: <input type="text"/> Authentication User Name: <input type="text"/> Authentication Password: <input type="text"/> Display Name: <input type="text"/> Mailbox Name: <input type="text"/> Mailbox Number: <input type="text"/> Emergency Number: <input type="text"/> Server: <input type="text" value="Server 1: 150.150.131.84"/> Location: <input type="text" value="ANY"/> Call waiting feature: <input type="text" value="Enabled"/> Broadsoft Feature Event Package: <input type="text" value="Disabled"/> Forwarding Unconditional Number: <input type="text"/> Forwarding No Answer Number: <input type="text"/> Forwarding on Busy Number: <input type="text" value="6136"/>  <input type="button" value="Save"/> <input type="button" value="Cancel"/>



Parameter	Default Value(s)	Description
Extension		The base station registers the “Extension” with the iPECS call server employing the Id entered as the Extension. <b>Valid input:</b> string up to 8 digits Note: The Extension must also be configured in the iPECS call server.
Authentication User Name		The extension’s Authentication User Name must match the authentication name configured in the iPECS call server. <b>Valid input:</b> string up to 8 digits
Authentication Password		The extension’s Authentication Password must match the password assigned in the iPECS call server. <b>Valid input:</b> string up to 8 digits
Display Name		A “Display Name”, which is used in various SIP messages, may be assigned to each extension. <b>Valid input:</b> alpha-numeric strip up to 8 characters
Mailbox Name		The Voice Mail group number in the iPECS call server must be defined to allow the user to access their mailbox using the speed dial feature (long press the dial pad digit ‘1’). <b>Valid input:</b> string up to 8 digits
Mailbox Number		The user’s voice mail box number must be entered to allow the user to access their voice box using the speed dial feature. <b>Valid input:</b> string up to 8 digits
Emergency Number		When the “Emergency Number” is dialed, the base station will place the call without restrictions. <b>Valid input:</b> numeric string up to 8 digits
Server	Server IP	The Server entry is the FQDN or IP address of the iPECS call server that will provide voice services to the extension. The call server must be pre-configured under the “Server” menu. <b>Valid input:</b> drop-down selection
Location	ANY	In a multi-cell environment, the extension account and thus signaling may be associated with this base station. For more efficient roaming, the ANY selection permits the account to appear at any of the base stations in the multi-cell zone. <b>Valid input:</b> drop-down selection
Call waiting feature:	Enabled	The Call Waiting parameter determines how a second call is handled. When enabled the second call is presented to the handset otherwise, the call is rejected by the base station. <b>Valid input:</b> Enabled or Disabled

Broadsoft Feature Event Package	Disabled	The extension can subscribe for, and receive notifications of DND and call forward event status at the handset. The notification is shown in the idle mode handset display. <b>Valid input:</b> Enabled or Disabled
Forwarding Unconditional Number	Disabled	The base station can request the iPECS call server to forward all incoming calls to the specified destination. NOTE: The extension must be allowed Call Forward in the iPECS host. <b>Valid input:</b> string up to 8 digits & Enabled or Disabled
Forwarding No Answer Number	Disabled 90	The base station can request the iPECS call server forward incoming calls that are not answered to the specified destination. NOTE: The extension must be allowed Call Forward in the iPECS host. <b>Valid input:</b> string up to 8 digits & Enabled or Disabled & 2-digit no-answer delay in seconds
Forwarding On Busy Number	Disabled	The base station can request the iPECS call server to forward incoming calls to the specified destination if the extension is in use. NOTE: The extension must be allowed Call Forward in the iPECS host. <b>Valid input:</b> string up to 8 digits & Enabled or Disabled

# Registering a handset

A handset is linked to each extension and thus provided service through the registration process.

## Registration

The handset registration is managed from the Extension list. The handset registers for use of an extension then the base station register the Extension with the iPECS host. A handset can be registered, deregistered or deleted using the links below the list. An Extension with no registered handset displays the handset IPEI as FFFFFFFF.

Extensions								
<a href="#">Add extension</a>								
<a href="#">Stop Registration</a>								
<input type="checkbox"/>	Idx	Extension	Display Name	Server	IPEI	State	FW Info	FWU Progress
<input type="checkbox"/>	0	21	21	192.168.11.40	116E50023C	SIP Registered@RPN00	306.3	Complete
<input type="checkbox"/>	1	22	22	192.168.11.40	FFFFFFFF			
<input type="checkbox"/>	2	23	23	192.168.11.40	0188702EE0			
<input type="checkbox"/>	3	24	24	192.168.11.40	FFFFFFFF			
<input type="checkbox"/>	4	25	25	192.168.11.40	116E500332	SIP Registered@RPN00	306.3	Complete
<input type="checkbox"/>	5	26	26	192.168.11.40	FFFFFFFF			
<input type="checkbox"/>	6	27	27	192.168.11.40	FFFFFFFF			
<input type="checkbox"/>	7	28	28	192.168.11.40	FFFFFFFF			
<input type="checkbox"/>	8	29	29	192.168.11.40	118870042A			
<input type="checkbox"/>	9	36	36	192.168.11.40	FFFFFFFF			
<a href="#">Check All / Uncheck All</a>								
With selected: <a href="#">Delete Handset(s)</a> <a href="#">Register Handset(s)</a> <a href="#">Deregister Handset(s)</a>								

### To register a handset to an extension,

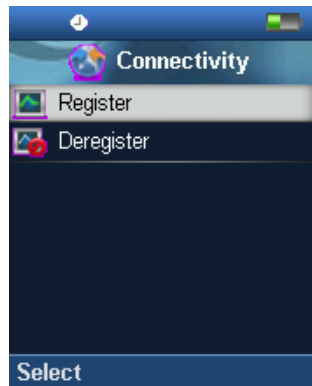
1. Check the box in front of the index for the desired extension.
2. Select the “Register Handset(s)” link. The base station will now allow a handset to register to the extension for a period of 5 minutes, after which the registration will not be allowed.

### At the handset,

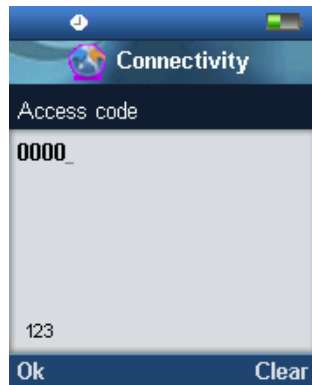
1. Select the Connectivity menu.



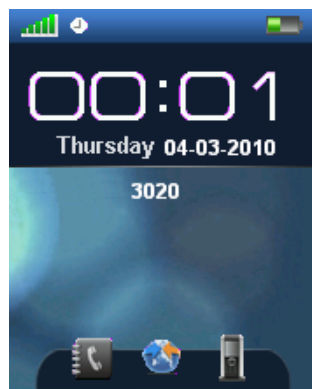
2. From the Connectivity menu, select "Register".



3. Enter the "AC code" ("0000") and press "OK" to start the registration.



4. The handset will register with the base station and the handset identification number, the IPEI, will display in the refreshed Extension list.



5. The registration can be verified on the Extension page; the handset identification number, the IPEI, is now associated with the extension.

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#### Note

For proper registration, the base station must be connected to the iPECS host and the host must be configured with the extension (SIP Id) information.

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