



**GRANDSTREAM**

CONNECTING THE WORLD

## **DP750 & DP720 DECT IP PHONE**

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**Product Overview**

- **Founded in 2002**
- **Over 500 employees**
- **Product Portfolio contains over 40 products:**  
*Video Conferencing Systems, 20 different IP Phones, 5 ATAs, 10 IP Surveillance cameras, 5 Video Encoder/Decoders & 2 IP PBXs*
- **Primarily serving small-to-medium size businesses (SMBs) and consumer markets**

**US**



Boston - Headquarters  
Los Angeles, CA  
Dallas, TX

**China**



Hangzhou, Shenzhen  
Hong Kong - Warehouse

**Morocco**



Casablanca - Support Center, EMEA

**Venezuela**



Venezuela- Support Center, LATM

**Malaysia**



Petalang Jaya – Support Center, APAC

**Netherlands**



Moerdijk - Warehouse

## Awards & Recognition



*15 time winner*



*9 time winner*



*2 time winner*



## Global Presence



United States - Venezuela - Morocco - China - Malaysia

## Over 10 Years of Growth and Innovation...



# Product Interoperability

## IP-PBX and Softswitch



## ITSPs



# Product Interoperability

## Door Intercom



## VoIP Applications, Services, and Hardware



## Video Management Systems



Driving network video through global standardization



## VoIP Product Lines

IP Multimedia Phones

Enterprise IP Phones

Small Business / Home Office IP Phones

Analog Gateways & ATAs

IP PBX Appliances

Video & Audio Conference Systems



## Surveillance Product Lines

Dome IP Cameras

IP Video Encoder

Outdoor IP Cameras

Video Management Software

Network Video Recorder



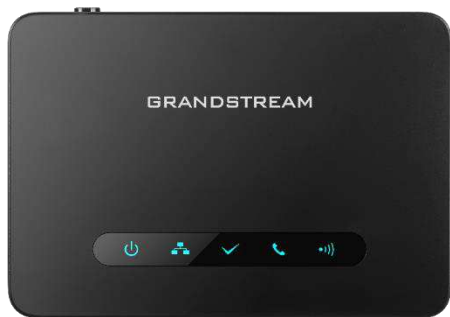
# DP750 & DP720

## DECT Cordless IP Phone



- Up to 10 SIP accounts per system, up to 5 DP720 handsets per base station
- Full HD audio quality
- 300m range outdoors, 50m indoors
- Up to 20-hour talk time, 250-hour standby time
- DP750 – Base, DP720 – Handset





# DP750

## Long-range DECT VoIP Base Station

- Up to 10 SIP accounts per system, up to 5 DP720 handsets per base station
- Supports 3-way conferencing, full HD audio
- 300m range outdoors, 50m indoors
- Fully compliant with the SIP/DECT standard
- Use with Grandstream's UCM for Zero Config Provisioning
- Integrated PoE







# DP720

## DECT Cordless HD Handset

- Up to 20-hour talk time, 250-hour standby time
- 1.8 inch TFT LCD color screen
- Integrated 3.5mm headset jack, speakerphone
- Multi-line access for up to 10 lines per handset
- Up to 5 DP720 handsets per DP750 base station



## Multiple SIP Accounts

Up to 10 distinct SIP accounts per system

- Each handset may map to any SIP account(s)
- Each SIP account may map to any handset(s)



# SIP



# Enhanced Telephony Features



Easy access to common telephony features, directly from the phone menu

- Hold
- Transfer/Forward
- 3-way conference
- Call pick-up

Other features include:

- Downloadable phone book
- Call waiting
- Auto Answer
- Click-to-dial
- Flexible dial plan
- Music on hold



# Quick Access Telephony Features



## Call Forward

1. Select the phone **Menu**
2. Access **Call Settings**
3. Select **Call Forward**



## 3-Way Conference

1. Press the Dial Key
2. Press the left softkey for **Options**
3. Select **Conference**
4. Enter the second party and press the **Dial Key**



## Call Transfer

1. Select the Options softkey
2. Select **Transfer** for blind transfer, or **New Call** for attended transfer
3. Press the **Dial Key**



## Voicemail

1. Press the Menu key
2. Select **Voice Mail**
3. Select **Play Message**
4. Choose the account to retrieve the voice message



# Air Interface

## Frequency Bands:

- 1800 – 1900 MHz (Europe)
- 1920 – 1930 MHz (US)
- 1910 – 1920 MHz (Brazil)
- 1786 – 1792 MHz (Korea)
- 1893 – 1906 MHz (Japan)
- 1880 – 1895 MHz (Taiwan)

## Number of Channels:

- 10 (Europe)
- 5 (US, Brazil, Japan)
- 3 (Korea)
- 8 (Taiwan)



## Color Screen



### New vibrant color screen

- 1.8 inch (128x160) color TFT LCD
- Access a comprehensive phone menu and common telephony features directly through the screen (hold, transfer, forward etc.)



## Voice Codecs



- G.722
- G.726
- G.711
- G.723.1
- G.729A/B
- iLBC
- OPUS
- ACE, AGC
- Ambient noise reduction



## Accessibility



- Integrated 3.5mm headset jack
- Speakerphone for hands free mode
- Belt clip for easy mobility
- Micro-USB port for alternative charging and non-battery operation
- Hearing Aid Compatibility (HAC) compliant





# Ring Groups

- **Circular Mode:** all phones ring sequentially from the phone next to the phone that answered last
- **Linear Mode:** all phones ring sequentially in a predesignated order
- **Parallel Mode:** all phones ring concurrently and after one phone answers, the remaining available phones can make new calls
- **Shared Mode:** all phone ring concurrently and always share the same line similar to analog phones



## Create a Total IP Solution With the UCM Series IP PBX



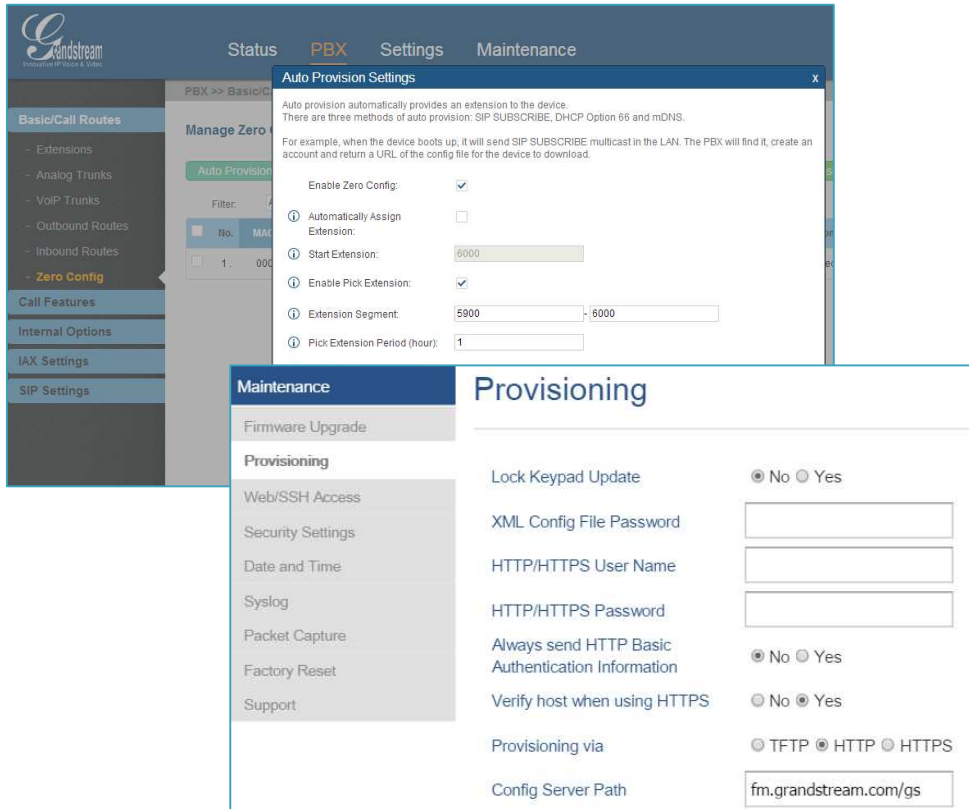
- Auto-Discovery, ZERO Configuration
- 1-touch call recording
- Call Detail Records (CDR)
- Music-on-hold
- Voicemail
- Easily connect to LDAP Phonebooks
- Conference Rooms
- Remote-Extension BLF



# Multiple Device Registration

- The UCM supports multiple registrations per extension. Users can register multiple devices to the UCM using the same extension number.
- Access any call, anywhere, on any SIP device (mobile, home, office etc.)





The screenshot displays the Grandstream PBX web interface. The top navigation bar includes 'Status', 'PBX', 'Settings', and 'Maintenance'. The left sidebar lists various configuration categories, with 'Zero Config' highlighted. Two configuration windows are overlaid:

- Auto Provision Settings:** A dialog box explaining auto-provisioning methods (SIP SUBSCRIBE, DHCP Option 66, and mDNS). It includes a table for configuration options:
 

Option	Value
Enable Zero Config:	<input checked="" type="checkbox"/>
Automatically Assign Extension:	<input type="checkbox"/>
Start Extension:	6000
Enable Pick Extension:	<input checked="" type="checkbox"/>
Extension Segment:	5900 - 6000
Pick Extension Period (hour):	1
- Provisioning:** A settings page with a sidebar menu containing 'Maintenance', 'Firmware Upgrade', 'Provisioning', 'Web/SSH Access', 'Security Settings', 'Date and Time', 'Syslog', 'Packet Capture', 'Factory Reset', and 'Support'. The main content area includes:
  - Lock Keypad Update:  No  Yes
  - XML Config File Password:
  - HTTP/HTTPS User Name:
  - HTTP/HTTPS Password:
  - Always send HTTP Basic Authentication Information:  No  Yes
  - Verify host when using HTTPS:  No  Yes
  - Provisioning via:  TFTP  HTTP  HTTPS
  - Config Server Path:

# Configuration & Provisioning

- Auto-Discovery, ZERO Configuration supported through the UCM6100 and UCM6510 IP PBX
- Configuration via DP720 handset or via Web GUI
- Handset provisioning over-the-air
- Mass provisioning using TR-069 or AES encrypted XML configuration file



# Firmware Upgrades

Maintenance	Firmware Upgrade
<b>Firmware Upgrade</b>	
Provisioning	
Web/SSH Access	
Security Settings	
Date and Time	
Syslog	
Packet Capture	
Factory Reset	
Support	
	<b>Base Firmware</b>
	<input checked="" type="radio"/> Always Check for New Firmware <input type="radio"/> Check New Firmware Only When F/W pre/suffix Changes <input type="radio"/> Always Skip the Firmware Check
	Firmware Upgrade
	HTTP/HTTPS User Name <input type="text"/>
	HTTP/HTTPS Password <input type="text"/>
	Always send HTTP Basic Authentication Information <input checked="" type="radio"/> No <input type="radio"/> Yes
	Verify host when using HTTPS <input type="radio"/> No <input checked="" type="radio"/> Yes
	Upgrade via <input type="radio"/> TFTP <input checked="" type="radio"/> HTTP <input type="radio"/> HTTPS
	Firmware Server Path <input type="text" value="labtest1.grandstream.com/"/>
	Firmware File Prefix <input type="text"/>
	Firmware File Postfix <input type="text"/>
	Allow DHCP Option 43 and Option 66 to Override Server <input type="radio"/> No <input checked="" type="radio"/> Yes
	Automatic Upgrade <input checked="" type="radio"/> No <input type="radio"/> Yes, check for upgrade every <input type="text" value="10080"/> minute(s)
	<input type="radio"/> Yes, check for upgrade every day
	<input type="radio"/> Yes, check for upgrade every week
	Hour of the Day(0-23) <input type="text" value="1"/>
	Day of the Week (0-6) <input type="text" value="1"/>

- Firmware upgrade via TFTP/HTTP/HTTPS
- Software upgrades over-the-air (SUOTA)
- Push the firmware upgrade through the UCM series IP PBX
- UCM supports Model Update feature to support new DP750/720 features via firmware upgrades without needing an additional UCM firmware upgrade



## DECT IP Phone Comparison

### Grandstream DP750/720



### Yealink W56P



Handsets	Up to 5	Up to 5
SIP Accounts	Up to 10	Up to 5
Concurrent Calls	Up to 4	Up to 4
Hunting Group support	Yes (Circular, Linear, Parallel, Shared line)	Yes
Voice Coders	G.711μ/a-law, VAD, CNG, PLC, AJB, G.723.1, G.729A/B, G.726-32, iLBC, G.722, OPUS, G.722.2/AMR-WB (special order)	G.711μ/A, G.722 G.723, G.726, G.729, iLBC . VAD, CNG, AEC, PLC, AJB
Phonebook	3000 entries	500 entries
Call logs	300 records	Yes, amount not specified
LDAP Support	Yes	Yes
Security	SIP/TLS, SRTP, HTTPS, AES-256, 802.1x	SIP/TLS, SRTP, HTTPS, AES-256, 802.1x
Upgrade/Provisioning	HTTP, HTTPS, TFTP, TR-069, XML	HTTP, HTTPS, TFTP
Languages	Yes - Arabic, Chinese (Simplified, Traditional), Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish	Yes (languages not specified)
LED indicators (Base)	5 LED indicators: Power, Network, Register, Call, DECT	3 LED indicators: Power, Network, Call
Range	300 meters outdoor and 50 meters indoor	300 meters outdoor and 50 meters indoor
PoE support (Base)	Yes (IEEE 802.3af class 1)	Yes (IEEE 802.3af class 1)
LCD	1.8 inch (128x160) color TFT LCD	2.4 inch (240x320) color TFT LCD
Headset support	Yes (3.5mm headset jack)	Yes (3.5mm headset jack)
MWI LED (handset)	3-color MWI LED	1-color MWI LED
Keypad buttons	23	31
Hearing Aid Compatibility (HAC)	Yes	Yes
HD Audio	Yes (both on handset and speakerphone)	Yes
Battery Life	25-hour talk time, 200-hour standby time	30-hour talk time, 400-hour standby time
Charging via Micro-USB	Yes	No

## DECT IP Phone Comparison

### Grandstream DP750/720



### Panasonic KX-TGP600/KX-TPA60



<b>Handsets</b>	Up to 5	Up to 8
<b>SIP Accounts</b>	Up to 10	Up to 8
<b>Concurrent Calls</b>	Up to 4	Up to 8
<b>Hunting Group support</b>	Yes (Circular, Linear, Parallel, Shared line)	Yes
<b>Voice Codecs</b>	G.711μ/a-law, VAD, CNG, PLC, A/J, G.723.1, G.729A/B, G.726-32, iLBC, G.722, OPUS, G.722.2/AMR-WB (special order)	G.711μ/a-law, G.729, G.722, G.722.2 (AMR-WB)
<b>Phonebook</b>	3000 entries	500 entries
<b>Call logs</b>	300 records	40 records
<b>LDAP Support</b>	Yes	No
<b>Security</b>	SIP/TLS, SRTP, HTTPS, AES-256, 802.1x	SIP/TLS, SIPS, SRTP, HTTPS
<b>Upgrade/Provisioning</b>	HTTP, HTTPS, TFTP, TR-069, XML	HTTP, HTTPS, TFTP
<b>Languages</b>	Arabic, Chinese (Simplified, Traditional), Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish	English, Spanish, French, German, Italian, Dutch, Greek, Hungarian, Portuguese, Polish, Slovakian, Czech, Croatian, Russian, Ukrainian, Turkish, Romanian, Kazakh, Montenegrin
<b>LED indicators (Base)</b>	5 LED indicators: Power, Network, Register, Call, DECT	1 LED indicator: Status
<b>Range</b>	300 meters outdoor and 50 meters indoor	240 meters outdoor and 90 meters indoor
<b>PoE support (Base)</b>	Yes (IEEE 802.3af class 1)	Yes (IEEE 802.3af)
<b>LCD</b>	1.8 inch (128x160) color TFT LCD	1.8 inch color TFT LCD
<b>Headset support</b>	Yes (3.5mm headset jack)	Yes (2.5mm headset jack)
<b>MWI LED (handset)</b>	3-color MWI LED	1-color MWI LED
<b>Keypad buttons</b>	23	26
<b>Hearing Aid Compatibility (HAC)</b>	Yes	Yes
<b>HD Audio</b>	Yes (both on handset and speakerphone)	Yes
<b>Battery Life</b>	25-hour talk time, 200-hour standby time	11-hour talk time, 200-hour standby time
<b>Charging via Micro-USB</b>	Yes	No

# Thank you

*Any Questions?*

**CORPORATE HEADQUARTERS**

26 Brookline Ave, 3rd Floor  
Boston, MA 02215

Voice: +1 617-566-9300  
Fax: +1 617-249-1987

