



GRANDSTREAM

CONNECTING THE WORLD

DP750 & DP720 DECT IP PHONE

Product Overview

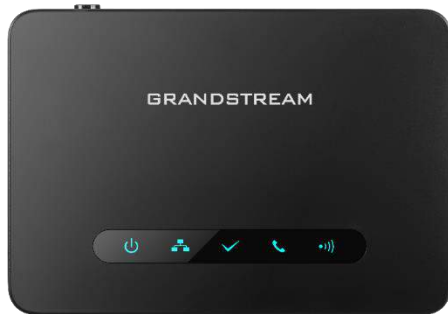
DP750 & DP720

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



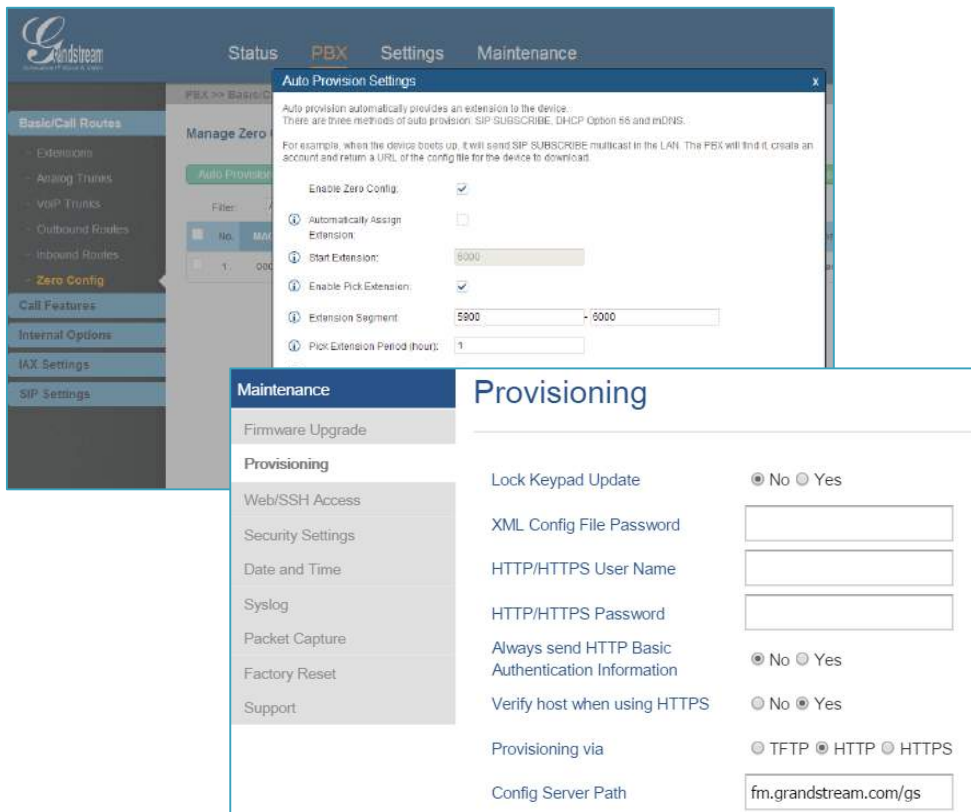
- Auto-Discovery, ZERO Configuration
- 1-touch call recording
- Call Detail Records (CDR)
- Music-on-hold
- Voicemail
- Easily connect to LDAP Phonebooks
- Conference Rooms
- Remote-Extension BLF



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 image shows two overlapping screenshots from the Grandstream Web GUI. The top screenshot displays the 'Auto Provision Settings' window, which includes instructions on auto-provisioning and a list of configuration options:

- Enable Zero Config:
- Automatically Assign Extension:
- Start Extension: 6000
- Enable Pick Extension:
- Extension Segment: 5900 - 6000
- Pick Extension Period (hour): 1

The bottom screenshot shows the 'Provisioning' section of the 'Maintenance' menu. It contains the following settings:

- 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: fm.grandstream.com/gs

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

Firmware Upgrade

Provisioning

WebSSH Access

Security Settings

Date and Time

Syslog

Packet Capture

Factory Reset

Support

Base Firmware

Firmware Upgrade Always Check for New Firmware
 Check New Firmware Only When FW pre/suffix Changes
 Always Skip the Firmware Check

HTTP/HTTPS User Name

HTTP/HTTPS Password

Always send HTTP Basic Authentication Information No Yes

Verify host when using HTTPS No Yes

Upgrade via TFTP HTTP HTTPS

Firmware Server Path

Firmware File Prefix

Firmware File Postfix

Allow DHCP Option 43 and Option 66 to Override Server No Yes

Automatic Upgrade No
 Yes, check for upgrade every minute(s)
 Yes, check for upgrade every day
 Yes, check for upgrade every week

Hour of the Day(0-23)

Day of the Week (0-6)

- 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 Codecs	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



Handsets	Up to 5	Up to 8
SIP Accounts	Up to 10	Up to 8
Concurrent Calls	Up to 4	Up to 8
Hunting Group support	Yes (Circular, Linear, Parallel, Shared line)	Yes
Voice Codecs	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)
Phonebook	3000 entries	500 entries
Call logs	300 records	40 records
LDAP Support	Yes	No
Security	SIP/TLS, SRTP, HTTPS, AES-256, 802.1x	SIP/TLS, SIPS, SRTP, HTTPS
Upgrade/Provisioning	HTTP, HTTPS, TFTP, TR-069, XML	HTTP, HTTPS, TFTP
Languages	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
LED indicators (Base)	5 LED indicators: Power, Network, Register, Call, DECT	1 LED indicator: Status
Range	300 meters outdoor and 50 meters indoor	240 meters outdoor and 90 meters indoor
PoE support (Base)	Yes (IEEE 802.3af class 1)	Yes (IEEE 802.3af)
LCD	1.8 inch (128x160) color TFT LCD	1.8 inch color TFT LCD
Headset support	Yes (3.5mm headset jack)	Yes (2.5mm headset jack)
MWI LED (handset)	3-color MWI LED	1-color MWI LED
Keypad buttons	23	26
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	11-hour talk time, 200-hour standby time
Charging via Micro-USB	Yes	No