# Hikvision Video Intercom SIP Function Introduction (2023-04-07)

| Product involved: |                     |
|-------------------|---------------------|
| Device Model      | Firmware            |
| DS-KH6350-WTE1    | V2.1.50_220720      |
| DS-KH6350-TE1     | V2.1.50_220720      |
| DS-KH9310(B)-WTE1 | V2.1.48_build220620 |
| DS-KH9510(B)-WTE1 | V2.1.48_build220620 |
| DS-KD9633-WBE6    | V2.3.7 build 220711 |
| DS-KD9633-E6      | V2.3.7 build 220711 |
| DS-KD9403-E6      | V2.3.7 build 220711 |
| DS-KP8000-HE1     | 2.4.10.11.2         |
| DS-KP8000-WHE1    | 2.4.10.11.2         |
| DS-KP8200-HE1     | 2.4.8.2             |
| DS-KP9301-WHE1    | 2.6.0.1089.7        |

**Note :** The SIP compatibility of other models will be gradually iterated to be consistent with this document, so please look forward to it.

List of supported SIP servers:

|                  | SIP Server   | Version                 | interoperability |              |              |              |
|------------------|--------------|-------------------------|------------------|--------------|--------------|--------------|
| Logo-Company     |              |                         | registration     | Support      | Support      | Support      |
|                  |              |                         |                  | Audio        | Video        | Unlock       |
| <b>E</b> brekeke | Brekeke      | V3.14.1.2               | $\checkmark$     | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| (*)<br>Asterisk  | Asterisk     | 18.13.0                 | $\checkmark$     | V            | $\checkmark$ | $\checkmark$ |
| 3CX              | 3CX(elastix) | 18                      | $\checkmark$     | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| KAMAILIO         | Kamailio     | 5.6.1                   | $\checkmark$     | V            | $\checkmark$ | $\checkmark$ |
| MYYVOIIPAIPIP    | Minisip      | V39 (build<br>20220726) | $\checkmark$     | $\checkmark$ | $\checkmark$ | $\checkmark$ |
| opensips         | Opensips     | 3.3.0                   | $\checkmark$     | $\checkmark$ | $\checkmark$ | $\checkmark$ |
|                  | Pbxware      | Pbxware6                | $\checkmark$     | $\checkmark$ | $\checkmark$ | $\checkmark$ |

## Note:

1. If you have any questions about SIP, please complete this excel sheet and contact Hikvision's technical support.



2. In the public network environment, the video transmission of the device is limited by many factors. It may cause poor picture quality, inability to display pictures, and so on when congestion, long latency and packet loss.

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If you still have questions about the Hikvision SIP service, please contact your local Hikvision technical support team. <u>https://www.hikvision.com/en/Corporate/Contact-Us</u>

## What's SIP

The Session Initiation Protocol (SIP) is a signaling protocol used for initiating, maintaining, and terminating real-time sessions that include voice, video and messaging applications. The SIP system works flow as below figure.



Please update firmware to the latest version to ensure the perfect user experience. The Comparison of private protocol and standard SIP protocol as below table.

| Indoor station            | Private Protocol | SIP Protocol |
|---------------------------|------------------|--------------|
| HikConnect APP            | $\checkmark$     | ×            |
| Indoor extension          | $\checkmark$     | ×            |
| Live view                 | $\checkmark$     | x            |
| Call to the door station  | $\checkmark$     | x            |
| Private password          | $\checkmark$     | ×            |
| Automatic capture picture | $\checkmark$     | x            |

| Door station       | Private Protocol | SIP Protocol |
|--------------------|------------------|--------------|
| Sub-door station   | $\checkmark$     | ×            |
| Doorphone Mode     | $\checkmark$     | ×            |
| Outer door station | $\checkmark$     | ×            |
| Public password    | $\checkmark$     | $\checkmark$ |

So we strongly suggest to use Hikvision private protocol when all intercom video equipment from Hikvision company. If need to interconnect with 3<sup>rd</sup> party SIP terminal, we have to change intercom protocol from private protocol to SIP Protocol on the related Hikvision intercom video equipment. This document will introduce how to configure SIP Protocol between Hikvision intercom video equipment and 3<sup>rd</sup> party's.

## How to add new user in SIP server (Brekeke)

1. Login the SIP server via IE web and add the new users for indoor station / door station /  $3'^{d}$  party SIP phone / etc.

- 1) User is unique in same SIP server.
- 2) Name is local parameter for reference in SIP database.
- 3) Email address and Description are option.

| & brekeke   | ۵ | User Authenticatio  | n Import/             | Export |                     |  |
|---|---|---|-----------------------|--------|---------------------|--|
| SIP Server  |   | User Authentication >>  |                       |        |                     |  |
|   |   | New User  |                       |        |                     |  |
| Registered Clients<br>Active Sessions<br>User Authentication<br>Dial Plan<br>Aliases<br>Logs<br>Push Notification<br>Domains<br>Configuration | ] | User<br>Password<br>Confirm Password<br>Name<br>Email Address | 0003<br>•••••<br>0003 | x      | Generate a password |  |
| SYSTEM<br>Status<br>Block List  | - | Description   |                       |        |                     |  |
| Provisioning<br>SDN<br>Redundancy<br>Tools  |   |   | Add                   | Cancel |                     |  |

2. Click MAINTENANCE button and record SIP server IP & local port which will be used in SIP client (indoor station / door station /  $3^{rd}$  party SIP phone / etc) configuration.

| SIP Server         SIP SERVER         Registered Clients         Active Sessions         User Authentication         Dial Plan         Aliases         Logs         Push Notification         Domains         Configuration         SYSTEM         MAINTENANCE | & brekeke  | \$ | Start/Shute  | down                                       |                             |
|--|--|----|--|--|-----------------------------|
| Status     Active       Status     Active       Juardian     Interface       Juardia     10.40.253.10, 192.168.145.1, 192.168.147.1       Logs     Active Sessions       Push Notification     Omains       Configuration     No                               | SIP Server   |    | Dested   |  | Obuldania                   |
| Registered Clients       Active Sessions       User Authentication       Dial Plan       Alaeses       Logs       Push Notification       Domains       Configuration       SYSTEM   | SIP SERVER   |    | Restart  |  | Snutdown                    |
| User Authentication<br>Dial Plan<br>Aliases<br>Logs<br>Push Notification<br>Domains<br>Configuration<br>SYSTEM +<br>MAINTENANCE  | Registered Clients<br>Active Sessions  |    | Status Summary   |  |                             |
| SYSTEM +<br>MAINTENANCE  | User Authentication<br>Dial Plan<br>Aliases<br>Logs<br>Push Notification<br>Domains<br>Configuration |    | Status<br>Interface<br>Local Port<br>Active Sessions<br>Multiple Domains | Active<br>10.40.253.10,<br>9000<br>0<br>No | 92.168.145.1, 192.168.147.1 |
| MAINTENANCE  | SYSTEM   | +  |  |  |                             |
|  | MAINTENANCE  |    |  |  |                             |
| Start/Shutdown Software Maintenance  | Start/Shutdown<br>Software Maintenance   |    |  |  |                             |

# How to configure Door Station's SIP service through the

### web

- 1. Login the door station's web
- 2. Setting the SIP Server

Configuration > Network > Basic Setting > SIP

|     | IKVISION           |        | e View       |             | Device Management         | Configuration                |                              |                 | 👤 admin | i) Help | E+Logout |
|-----|--------------------|--------|--------------|-------------|---------------------------|------------------------------|------------------------------|-----------------|---------|---------|----------|
| Ģ   | Local              | TCP/IP | Port         | SIP         | _                         |                              |                              |                 |         |         |          |
| 6   | System 🗸 🗸         |        |              |             |                           |                              |                              |                 |         |         |          |
| ₽   | Network ^          | E      | nable VOIP   | Gateway     |                           |                              |                              |                 |         |         |          |
|     | Basic Settings     |        | Register L   | lser Name   | 0003                      | ٩                            | User                         | 0003            |         |         |          |
|     | ب<br>م             |        | Registration | Password    |                           | <b>S</b>                     | Password<br>Confirm Password | •••••           |         |         |          |
|     | Advanced           |        | Serve        | er Address  | 10.40.253.10              | 0                            | Name                         | 0003 ×          |         |         |          |
|     | Capture Network Pa |        | S            | erver Port  | 9000                      |                              | Status Sum                   | nmary           |         |         |          |
| Ð   | Video/Audio        |        |              |             |                           |                              | Interface                    | 10.40.253.10, 1 |         |         |          |
| N   | Image              |        | E            | xpiry Time  | 60                        | minute(s)                    | Local Port                   | 9000            |         |         |          |
| Ê   | Event 🗸            |        | Regis        | ster Status |                           |                              |                              |                 |         |         |          |
| -   |                    |        |              | Number      | 0003                      | 0                            |                              |                 |         |         |          |
|     | General            |        | Display U    | lser Name   | 0003                      | 0                            |                              |                 |         |         |          |
| Ţ   | Intercom           |        |              |             |                           |                              |                              |                 |         |         |          |
| Ê   | Access Control     |        |              |             | Save                      |                              |                              |                 |         |         |          |
| ନ୍ଦ | Smart              |        |              |             | Jave                      |                              |                              |                 |         |         |          |
| _   | Thoma              |        |              |             | ©2022 Hikvision Digital T | echnology Co., Ltd. All Rigi | nts Reserved.                |                 |         |         |          |

Server Address: SIP server IP address

Server Port: SIP local port

User Name: SIP user

Number.: If no No. in SIP server setting, re-use SIP user as number.

**3.** Click **save** button to device on SIP server. Refresh the window and check whether the device has been registered or not. If yes, login status will be showed **Registered** 

Register Status Registered

#### 4. Set Number setting

After the device has been registered to SIP server, you can set number setting to call the indoor station or SIP phone etc..

Door station's **Remote Configuration** > **Intercom** > **Number Setting** > **Add**, input the room.no and SIP number

| 💮 Configuration   |                       |                       |               | —                     | $\Box$ ×          |
|---|-----------------------|-----------------------|---------------|-----------------------|-------------------|
| 📮 Local Dev   | ice No. Session Setti | ngs Password Settings | Call Settings | Ringbacktone Settings | Press Button to C |
| 🖻 System 🗸 Sub  | Module Configuration  | Number Settings       |               |                       |                   |
| O Network     V     O | + Ad 🕅 Delete         |                       |               |                       |                   |
| 🗗 Video/Audio   |                       |                       |               |                       |                   |
| 🖾 Image 🛛 🗛   | bt                    |                       |               | ×                     | Operation         |
| 🖹 Event 🗸   |                       |                       |               |                       | @<br>@            |
| 🗎 Schedule 🗸 🗸  | Room No. 1            |                       | 0             |                       | 0                 |
| 🎍 Intercom  | SIP1 1003             |                       | 0             |                       | 0                 |
| Access Control  | sip2 1004             | ×                     | 0             |                       |                   |
| 🖾 Theme   | SIP3 1005             | ×                     | 0             |                       |                   |
| Device Management   | SIP4 <b>1006</b>      | ×                     | 0             |                       |                   |
| 🖵 User  |                       | + Add                 |               |                       |                   |
|   |                       |                       |               |                       |                   |
|   |                       |                       | OK            | Cancel                |                   |
| 10  |                       | •                     | _             | Prev Page             | e 1 Next Page (   |
|   |                       |                       |               |                       |                   |
|   |                       |                       |               |                       |                   |

*Note:* The door station calls the private sip room number first, if the room number does not exist, then it will forward the SIP number.

You can fill in up to 4 forwarding numbers, and forward 4 SIP accounts in turn, with a default interval of 65s, which can be adjusted.

| 💮 Configurati  | on   |            |                      |                   |               | -                     |                      |              |                          | _           |       |
|----------------|------|------------|----------------------|-------------------|---------------|-----------------------|----------------------|--------------|--------------------------|-------------|-------|
| 📮 Local        |      | Device No. | Session Settings     | Password Settings | Call Settings | Ringbacktone Settings | Press Button to Call | I/O Settings | Sub Module Configuration | Number Sett | tings |
| 🗄 System       | ~    |            |                      |                   |               | /                     |                      |              |                          |             |       |
| Network        | ~    |            | Max. Call Duration 🔘 |                   | 90 s          |                       |                      |              |                          |             |       |
| 🖽 Video/Audio  |      | Max.       | Message Duration 🔘   |                   | 30 s          |                       |                      |              |                          |             |       |
| 🖾 Image        |      | N          | Nax. Ring Duration 🔘 |                   | 65 s          |                       |                      |              |                          |             |       |
| 🛱 Event        | ~    |            | _                    | Sauce             |               |                       |                      |              |                          |             |       |
| E Schedule     | ~    |            |                      | Save              |               |                       |                      |              |                          |             |       |
| Intercom       |      |            |                      |                   |               |                       |                      |              |                          |             |       |
| Access Control |      |            |                      |                   |               |                       |                      |              |                          |             |       |
| 🖾 Theme        |      |            |                      |                   |               |                       |                      |              |                          |             |       |
| Device Manager | nent |            |                      |                   |               |                       |                      |              |                          |             |       |
| 🖵 User         |      |            |                      |                   |               |                       |                      |              |                          |             |       |
|                |      |            |                      |                   |               |                       |                      |              |                          |             |       |
|                |      |            |                      |                   |               |                       |                      |              |                          |             |       |

# How to configure indoor station's SIP service through the client

1. Add the device to the Client and status is online.

| ٥      | iVMS-4200      |              |                                     |                                   | 🛆 Not Log              | 99 🗄 🖾 admin 🕶   台 🗕 🗆 🗙         |
|--------|----------------|--------------|-------------------------------------|-----------------------------------|------------------------|----------------------------------|
| 88     | Access Control | 🗾 Person     | 🧰 Time & Attendance                 | 📺 Event Center 📃 M                | aintenance and Manager | nent 🛇                           |
| =      |                | Device       |                                     |                                   |                        |                                  |
| ,<br>E |                | + Add Q Onli |                                     | L Upgra 📿 Refresh 🖹 Get Ev        |                        |                                  |
|        |                | 🗌   Name     | 🚊   Connection Type   Network Param | neters   Device Type   Serial No. | Security Level         | Resource Usage  Firmware Upgrade |
|        | Device         |              |                                     |                                   |                        | 🥪 Online No available version    |
|        |                |              |                                     |                                   |                        |                                  |
|        |                |              |                                     |                                   |                        |                                  |
| 0      |                |              |                                     |                                   |                        |                                  |
| 2      |                |              |                                     |                                   |                        |                                  |
| 總      |                |              |                                     |                                   |                        |                                  |
| ব      | System Log     |              |                                     |                                   |                        |                                  |

2. Click the remote configuration  $\rightarrow$  System Maintance  $\rightarrow$  restore default settings, and set the settings as default. (option)



3. Click the remote configuration  $\rightarrow$  Network  $\rightarrow$  SIP settings, check the user data which you set in your SIP server, then fill the corresponding column.

| Remote Configuration          |                       |              |     |                          |                           |
|-------------------------------|-----------------------|--------------|-----|--------------------------|---------------------------|
| 👻 🍖 System                    | SIP Settings          |              |     |                          |                           |
| Device Information            |                       |              |     |                          |                           |
| 🌸 General                     | 🗾 Enable              |              |     |                          |                           |
| 🌸 Time                        | Registration Status:  | Unregister   | ed  |                          |                           |
| 🔅 System Maintenance          | Server                | Domain Name  | •   | Status Sum               | mary                      |
| 🌞 User                        | Server Domain Name    | 10.40.253.10 |     | Status<br>Interface      | Active<br>10.40.253.10.19 |
| 🌸 RS485                       | Server Port:          | 9000         |     | Local Port               | 9000                      |
| - Security                    | Register User Name    | 0003         |     | User                     | 0003                      |
| and Security                  | Registration Password | •••••        |     | Password                 | •••••                     |
| 💮 Timing Reboot               | Number:               | 0003         |     | Confirm Password<br>Name | ••••••                    |
| Intercom                      | Display User Name:    | 0003         |     |                          |                           |
| 👻 🍖 Network                   | Registration Period:  | 60           | min |                          |                           |
| 🌸 Local Network Configuration |                       |              |     | Save                     |                           |
| 🌸 SIP Server Configuration    |                       |              |     |                          |                           |
| 🏟 Advanced Settings           |                       |              |     |                          |                           |
| 静 Hik-Connect                 |                       |              |     |                          |                           |
| 🔹 Group Network Settings      |                       |              |     |                          |                           |

Server Domain: SIP server IP address Server Port: SIP local port User Name: SIP user Local No.: If no No. in SIP server setting, re-use SIP user as local No.

4. Click save button to register device on SIP server. Refresh the window and check whether the device has been registered or not. If yes, login status will be updated as below.

| Remote Configuration           |                 |                                |           |  |  |  |
|--------------------------------|-----------------|--------------------------------|-----------|--|--|--|
| 🕨 🊱 System                     | Configuring the | Configuring the SIP Parameters |           |  |  |  |
| 🕨 🊱 Intercom                   |                 |                                |           |  |  |  |
| • 🏠 Network                    | Login Status:   | Registered                     |           |  |  |  |
| Local Network Configuration    | Server:         | Domain Name                    |           |  |  |  |
| 🏟 SIP Settings                 | Server Domain:  | 10.40.253.10                   |           |  |  |  |
| 🏶 Linked Network Configuration | Server Port:    | 5060                           |           |  |  |  |
| 📽 Advanced Settings            | User Name:      | 0003                           |           |  |  |  |
|                                | Password:       | •••••                          |           |  |  |  |
|                                | Local No.:      | 0003                           |           |  |  |  |
|                                | Display Name:   | KD8350                         |           |  |  |  |
|                                | Login Cycle:    |                                | Minute(s) |  |  |  |
|                                |                 |                                | Save      |  |  |  |

How to configure indoor station's SIP service through local interface

1. click the Settings button

| 0 |                       |                   |              |           |      |
|---|-----------------------|-------------------|--------------|-----------|------|
| A | PM 04:28<br>Room No.1 | 2022-07-21<br>Thu |              |           | â    |
| 4 |                       |                   |              |           |      |
| ۲ | to Hik-Connect.       | ۵.                | Call         | Live View | Stay |
|   |                       |                   |              |           |      |
|   | Œ                     |                   | Contact List | Settings  | ×    |
| P |                       |                   | 1            | 265       |      |
|   |                       |                   |              |           |      |

2. Select 'Advanced Settings' interface then input the admin password

| <                                  | Settings |   |
|------------------------------------|----------|---|
| Call Settings                      |          | > |
| 🛜 Wi-Fi Settings                   |          | > |
| (*) Preference                     |          | > |
| <ul> <li>Basic Settings</li> </ul> |          | > |
| 🗶 Advanced Settings                |          | > |
| € About                            |          | > |
|                                    |          |   |

### 3. Select 'VOIP Account Setting' interface

| <                            | Advanced Settings |
|------------------------------|-------------------|
| Indoor Station Settings      | >                 |
| Network Settings             | >                 |
| Device Management            | >                 |
| Password Settings            | >                 |
| VoIP Account Setting         | >                 |
| The Third-Party App Settings | >                 |

4. Input SIP user information, same from SIP server side.

| <                   | VoIP Account Setting |               | $\checkmark$ |  |                                    |
|---------------------|----------------------|---------------|--------------|--|------------------------------------|
| Enable VoIP         |                      |               | D            |  |                                    |
| User Name           |                      | No Configured | *            | User<br>Password<br>Confirm Password             | 0003                               |
| Number              |                      | No Configured | >            | Name   | × [2000]                           |
| Registered Username |                      | No Configured | >            |  |                                    |
| Password            |                      | No Configured | *            |  |                                    |
| SIP Server Domain   |                      | No Configured | >            | Status Sumr<br>Status<br>Interface<br>Local Port | Active<br>10.40.253.10, 19<br>9000 |
| SIP Server Port     |                      | No Configured | >            |  |                                    |

Please enter the user name: local parameter for reference.

Please enter your number: If no No. in SIP server setting, re-use SIP user as your No.

Please enter your User Name: SIP user Please enter The SIP Server Domain: SIP server IP address Please enter The SIP Server Port: SIP local port Please enter the expiration date: as your system design

| • | PM 04:35<br>Room No.1  | 2022-07-21<br>Thu |              |           |      |
|---|------------------------|-------------------|--------------|-----------|------|
| * | •••<br>to Hik-Connect. | 2                 | Call         | Live View | Stay |
| Ŷ |                        |                   | Contact List | Settings  |      |

5. Go back to the main window and below icon shows SIP registered successes.

#### 6. Make a call

When you want to call other device which has already registered to Standard SIP server, you just need to input the number then press the **VIOP** button.



How to set the SIP phone and how to use the SIP phone to open the door

1. Configure the KP8000 by login the Device's Web

| User:     |             |
|-----------|-------------|
| Password: |             |
| Language: | English 🗸 🗌 |
|           | Login       |
|           |             |

The default username and password are "admin" and "admin";

2. Click the Line  $\rightarrow$  SIP to set the SIP account.

The interface is shown below and input SIP user information, same with server side.

|                | SIP SIP Hots             | pot Dial Plan  | Action Plan Basic Settings   | RTCP-XR        |                  |                     |
|----------------|--------------------------|----------------|------------------------------|----------------|------------------|---------------------|
| System         |                          |                |                              |                |                  |                     |
| Network        | Line 0003@SIP* >         |                |                              |                |                  |                     |
| 1              | Register Settings >>     |                |                              |                |                  |                     |
| Line           | Line Status:             | Trying         | Activate:                    |                |                  |                     |
|                | Username:                | 0003           | Authentication User:         | 0003           | User             | 0005                |
| Phone settings | Display name:            | 0003           | Authentication Password:     |                | Password         | •••••               |
|                | Realm:                   |                | Server Name:                 |                | Confirm Password | •••••               |
| Phonebook      |                          |                |                              |                | Name             | 0005                |
|                | SIP Server 1:            |                | SIP Server 2:                |                |                  |                     |
| Call logs      | Server Address:          | 10.40.253.10   | Server Address:              |                |                  |                     |
|                | Server Port:             | 9000           | Server Port:                 | 5060           |                  |                     |
| Function Key   | Transport Protocol:      | UDP V          | Transport Protocol:          | UDP V          | Status Summ      | harv                |
|                | Registration Expiration: | 3600 second(s) | Registration Expiration:     | 3600 second(s) | Status Summ      | icit y              |
| Application    |                          |                |                              |                | Interface        | Active<br>10.40.253 |
|                | Proxy Server Address:    |                | Backup Proxy Server Address: |                | Local Port       | 9000                |
| Security       | Proxy Server Port:       | 5060           | Backup Proxy Server Port:    | 5060           |                  |                     |
|                | Proxy User:              |                |                              |                |                  |                     |
| Device Log     | Proxy Password:          |                |                              |                |                  |                     |
|                | Basic Settings >>        |                |                              |                |                  |                     |
|                | Codecs Settings >>       |                |                              |                |                  |                     |
|                | Video Codecs >>          |                |                              |                |                  |                     |
|                | Advanced Settings >>     |                |                              |                |                  |                     |
|                | SIP Global Settings >>   |                |                              |                |                  |                     |
|                |                          | Apply          |                              |                |                  |                     |

Apply

Then go back to the SIP interface to confirm that the device is registered to the sip server

| HIKVISION        |                          |                |             |                       |          |       |
|------------------|--------------------------|----------------|-------------|-----------------------|----------|-------|
|                  | SIP SIP Hots             | spot Dial Plan | Action Plan | Basic Settings        | RTCP-XR  |       |
| > System         |                          |                |             |                       |          |       |
| > Network        | Line 0003@SIP· V         |                |             |                       |          |       |
| > Line           | Line Status:             | Registered     | Activat     | te:                   |          |       |
|                  | Username:                | 0003           | Auther      | ntication User:       | 0003     |       |
| > Phone settings | Display name:            | 0003           | Auther      | ntication Password:   | [        |       |
|                  | Realm:                   |                | Server      | Name:                 |          |       |
| > Phonebook      |                          |                |             |                       |          |       |
|                  | SIP Server 1:            |                | SIP Se      | erver 2:              |          |       |
| > Call logs      | Server Address:          | 10.40.253.10   | Server      | Address:              |          |       |
|                  | Server Port:             | 9000           | Server      | Port:                 | 5060     |       |
| > Function Key   | Transport Protocol:      | UDP V          | Transp      | ort Protocol:         | UDP V    |       |
|                  | Registration Expiration: | 3600 second(s) | Registr     | ration Expiration:    | 3600 sec | ond(s |
| > Application    |                          |                |             |                       |          |       |
|                  | Proxy Server Address:    |                | Backut      | Proxy Server Address: |          |       |
| ) Security       | Proxy Server Port:       | 5060           | Backur      | Proxy Server Port:    | 5060     |       |
| occurry          | Provy User:              |                | ,           |                       |          |       |
| > Device Log     | Proxy Password:          |                |             |                       |          |       |
|                  | Basic Settings >>        |                |             |                       |          |       |
|                  | Codecs Settings >>       |                |             |                       |          |       |
|                  | Video Codecs >>          |                |             |                       |          |       |
|                  | Advanced Settings >>     |                |             |                       |          |       |
|                  | SIP Global Settings >>   |                |             |                       |          |       |
|                  |                          | Apply          |             |                       |          |       |
|                  |                          |                |             |                       |          |       |

**Note:** We only use the SIP1 (any SIP1~6 is ok), so enter the SIP1 interface SIP server example and finished condition.

1. Configuring the KP8000 by local interface

Press the left button of the screen to enter the SIP settings interface



2. Input the SIP user information same with server side

| SIP 1      |        |         |    | 10:43      |
|------------|--------|---------|----|------------|
| 1. Regist  | ration | Enabled |    | $\diamond$ |
| 2. Server  | Addr   |         |    |            |
| 3. Auth. l | Jser   |         |    |            |
| 4. Auth. I | Dass   |         |    |            |
| 5. SIP Us  | er     |         |    |            |
|            |        |         |    |            |
| Return     | Left   | Righ    | nt | OK         |

Click OK to save the SIP setting, the corresponding light on the left side of the screen will turn green when device is registered to the sip server.



3. Test to use the door station to call the SIP phone



Click the **Answer** or pick up the handset to answer the call

4. And you can choose to use the keypad, press key '#' to open the door



**Note:** if the door station has two locks, and you have enabled the door 2, then you can press '1#' or '#' to unlock the door 1, press '2#' to unlock the door 2.

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