INSTALLATION MANUAL
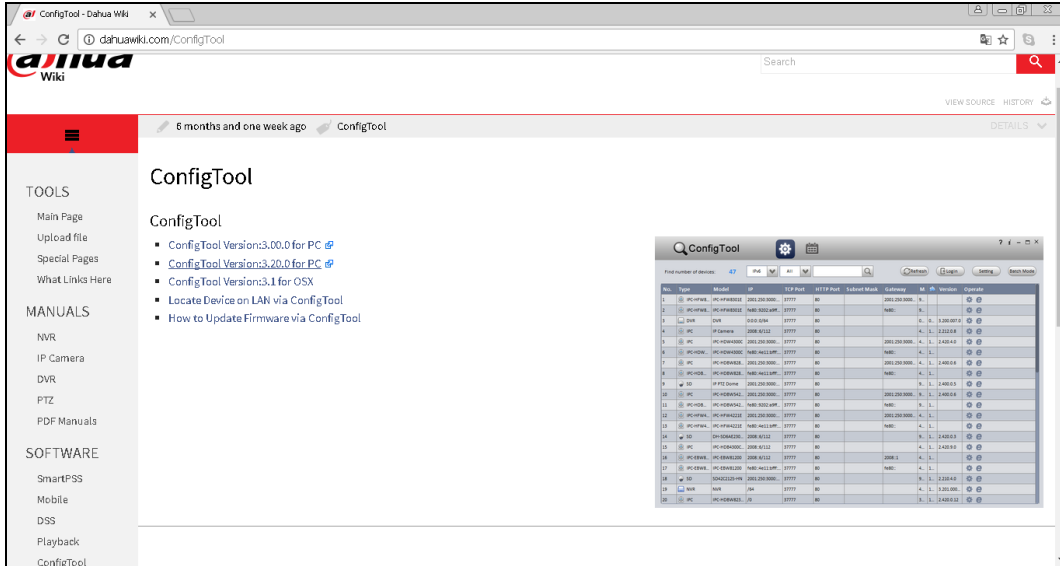
Videophone DAHUA

CONTENTS

1. Introduction

To successfully connect the DAHUA with the system, first update FW in DAHUA.

You can use the DAHUA video camera with LARA Intercom or the iHC. Application

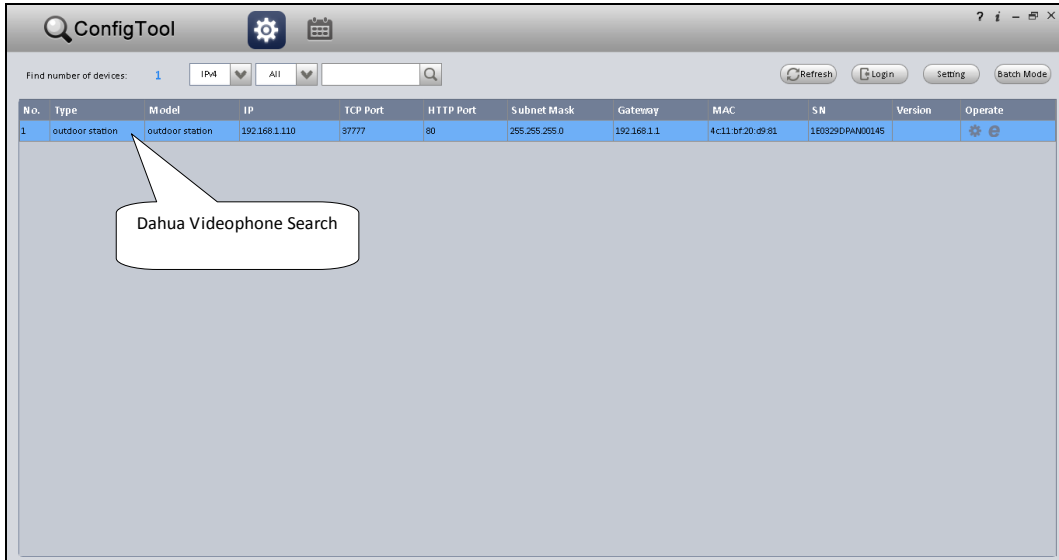## 2. Update FW on the DAHUA Videophone

2.1.Download FW

Download configuration software **ConfigTool 3.2** or higher http://dahuawiki.com/ConfigTool
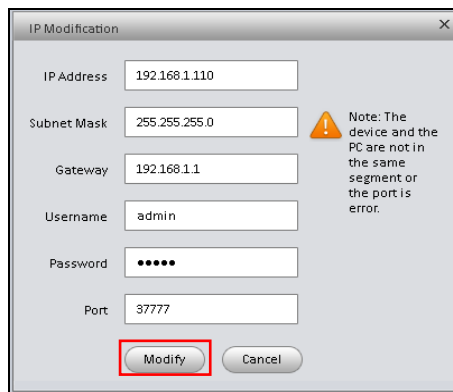
and install it on your computer.

2.2. Settings

From the desktop, you run **ConfigTool**, which automatically searches Dahua devices on the network.

Double-click to open the modification of the IP address of the selected videophone.

Adjust the settings according to your LAN. Confirm with the **Modify** button.

The **IP modification window** appears successfully (if you do not see the window, check and correct the entered data).

Confirm with **OK.**

Update the settings with the **Refresh** button.

2.3. Updating FW

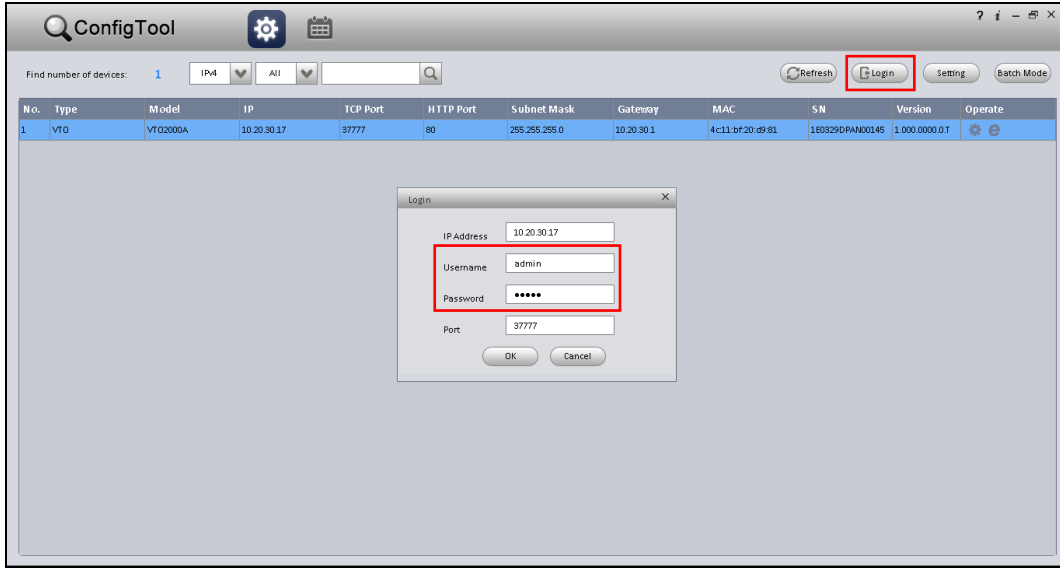Select the desired videophone.

Click **Login** to view the login information.

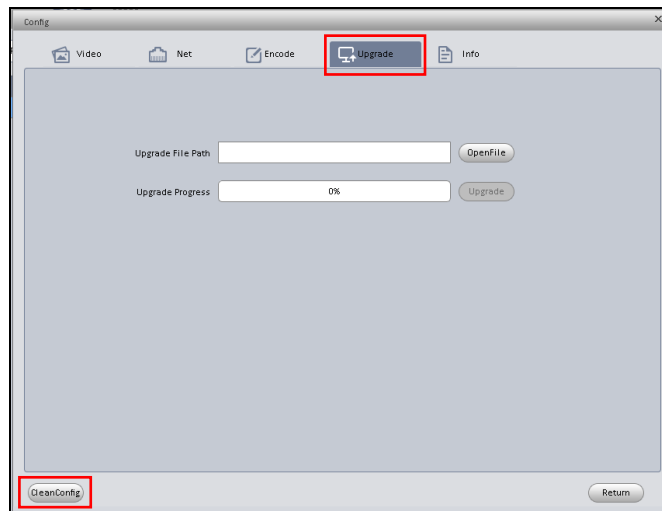Setting data is in the factory setting:

　　　　Name: admin

　　　　Password: admin

Confirm with **OK**.

The **Config** window appears to select the **Upgrade** tab.

Pressing **CleanConfig** the program shuts down (this is important because it erases any previous settings eg. From the factory).
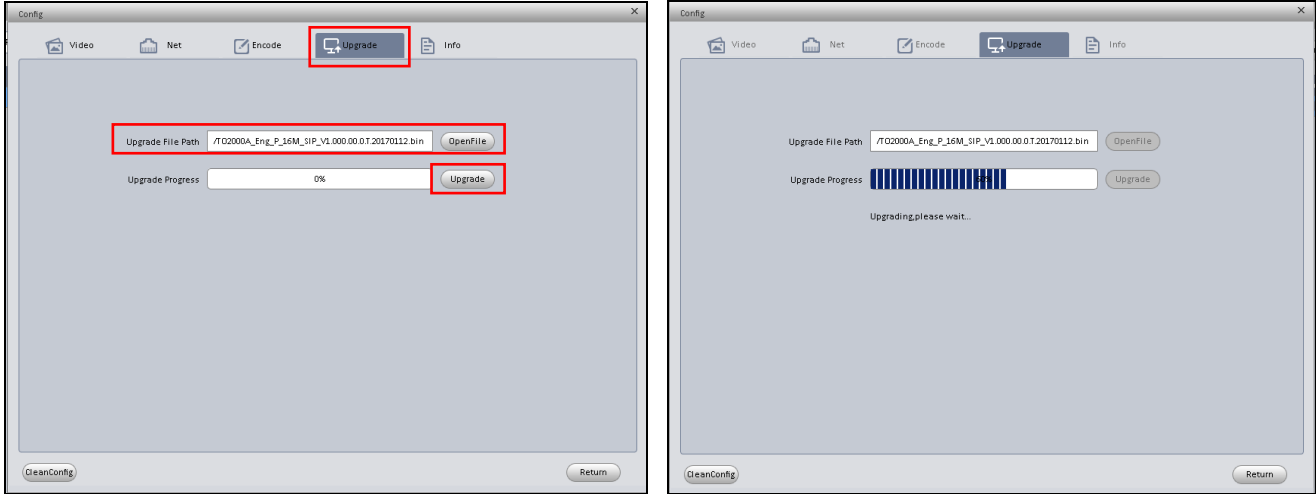
Run **ConfigTool**.

Select the desired videophone and sign in again with the **Login** button.

Select the **Upgrade** tab

Press the **Open File** button to select the special firmware file: **General_VTO2000A_Eng_P_16M_SIP_V1.000.00.0.T.20170112**
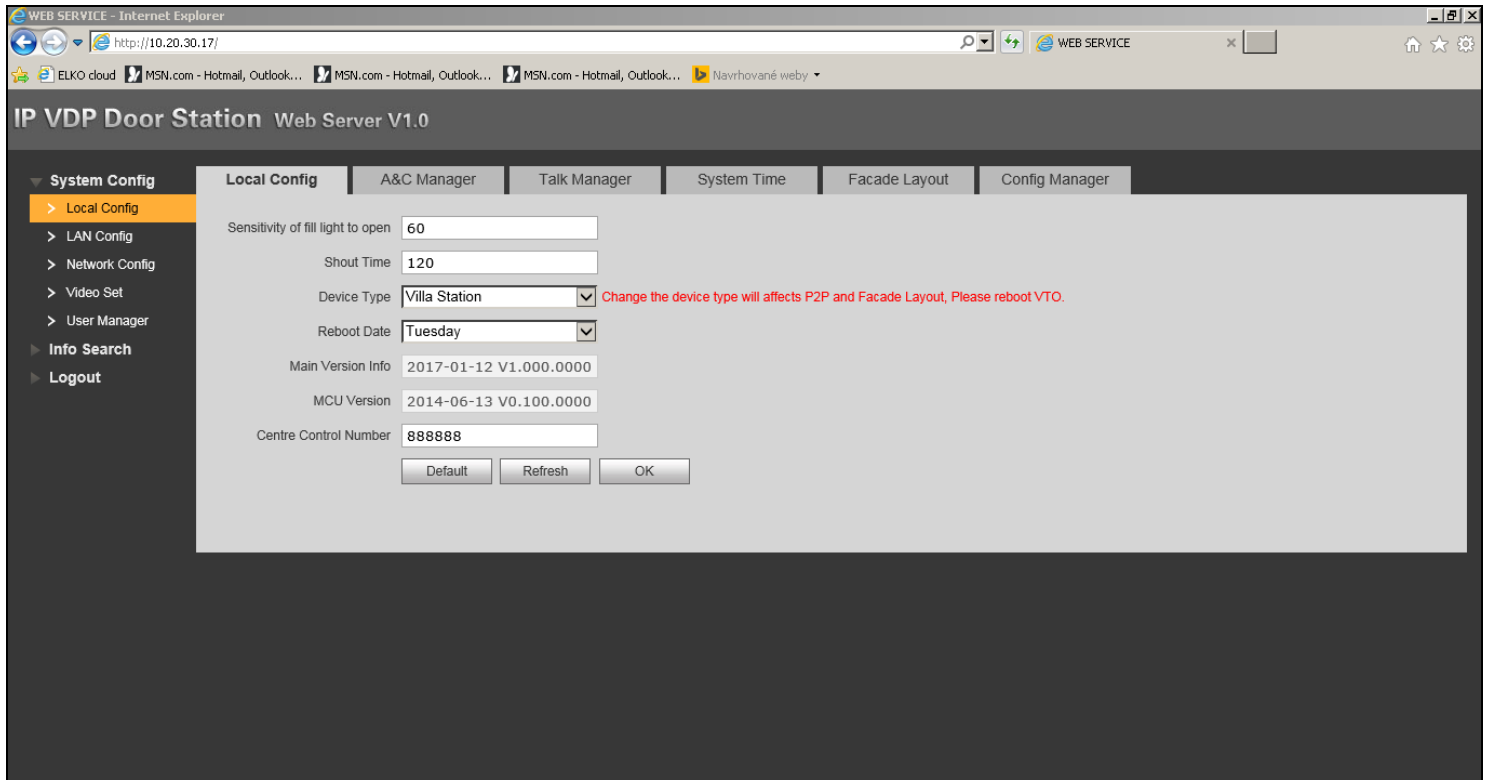
Use the **Upgrade** button to update the firmware.

After the process the videophone Dahua will restart.

Note: In the event that the DAHUA device firmware update failed, repeat login with port 3800.

Now you can open the Internet Explorer and log in to the web interface.

3. Setting up the DAHUA Videophone

Set up Dahua Videophone with LARA Intercom or iHC application.

a. **Connection Requirements:**

- **Videotelephone Dahua** VTO 2000 with updated firmware (General_VTO2000A_Eng_P_16M_SIP_V1.000.00.0.T.20170112)
- **LARA Intercom** with firmware „LARA_FW_v_3_4_014_T.lfw" or higher)
- **eLAN-RF-003** or **eLAN-RF-Wi-003 + MAIRF application** 1.065

b. **SIP scheme:**

Lara (user)

- SIP contact name**: 502**
- Password: **asdf**

Smartphone (user)

- SIP contact name**: 503**
- Password: **asdf**

VTO 2000 (SIP server)

- SIP contact name**: 8001**
- Password**: asdf**
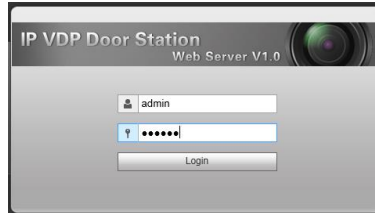
3.1. Logging in to the web interface

Sign into the **VTO 2000 Videotelephone** web interface using the recommended Internet Explorer browser.

Login data is in the factory settings:
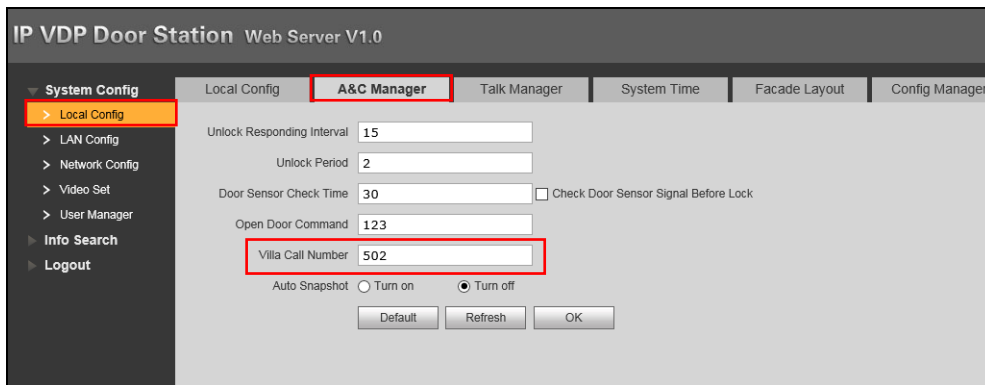
Name: **admin**

Password: **admin**

Confirm with the **Login** button.

In the **Local Config** menu, open the **A & C Manager** tab.

In the **Villa Call Number** line, set the user's calling number for outgoing calls (e.g., 502, 503 ...).
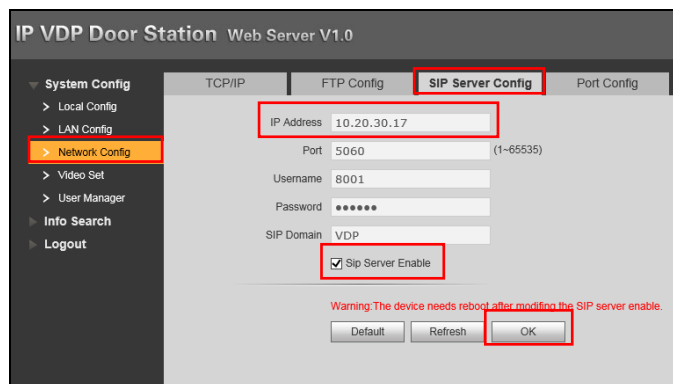

In the Network **Config** menu, open the **SIP Server Config** tab.

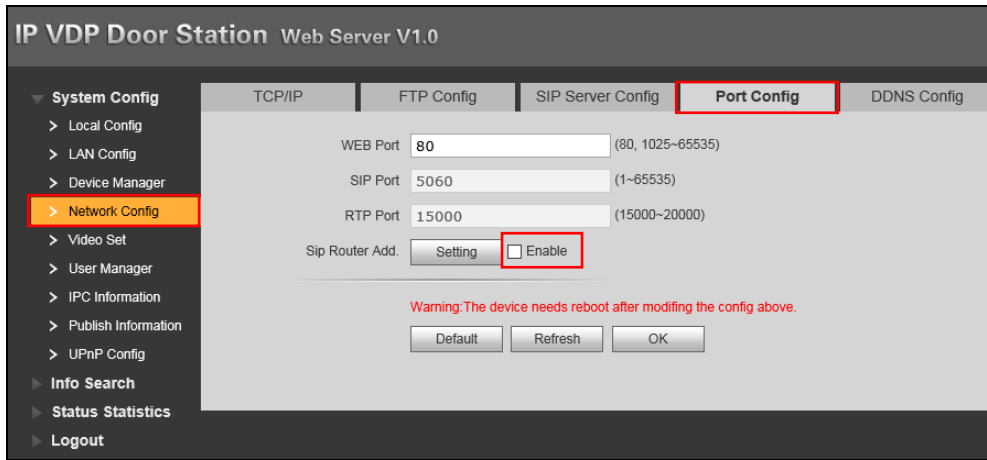In the IP **Address line**, edit the IP address of the videophone.

You enable the server by checking **SIP Server Enable**.

Confirm with the **OK** button, which will force the videophone to restart.

Again, log in to the **Network Manager** menu in the web interface.

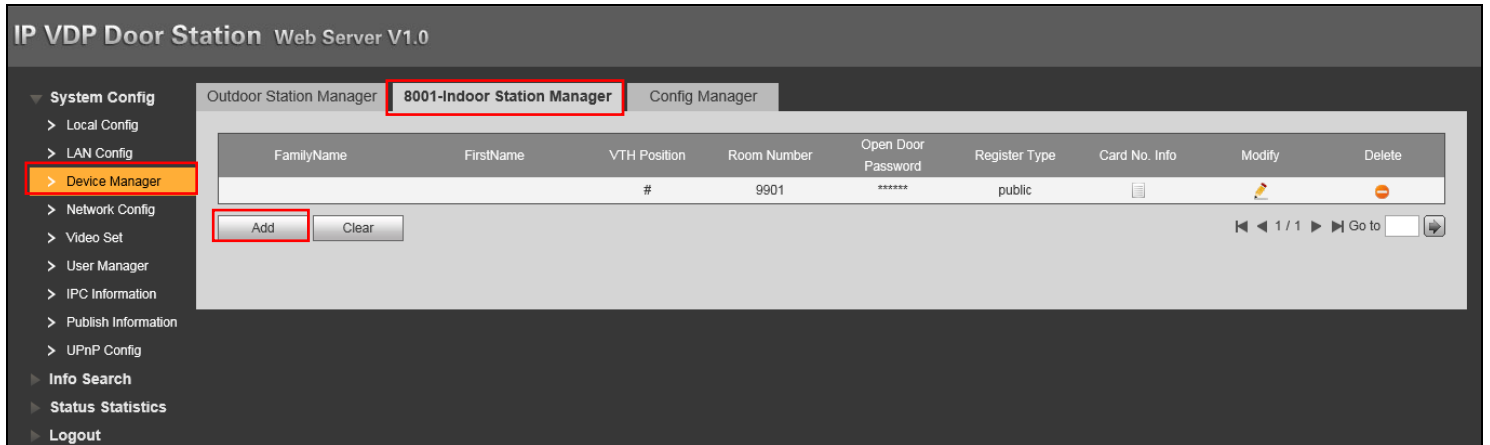On the **Port Config** tab, turn off (disable) Sip Router Add.

3.2. Creating Users

(SIP client for VTO2000)

Go to the **Device Manager** menu to the 8001-**Indoor Station Manager** folder where you create users 502, 503.

- **Creating a new user**

Press the **Add** button to display the window to create a new user (for example: Lara Intercom).
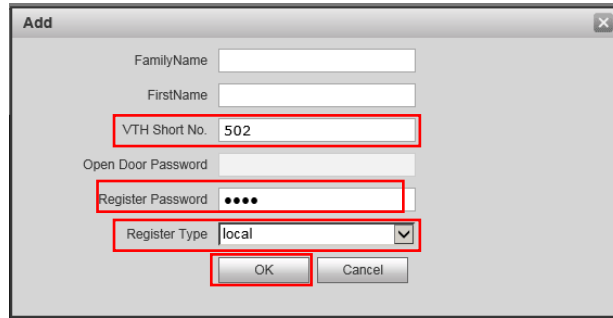

In line **VTH short No**. Set: for LARA Intercom - 502 (for MIIRF - 503) - the number must always be set

In the **Password Register** line, type the password: **asdf**

In the **Register Type** line, switch to local.

Confirm with **OK**.

You create the other users in the same way.

For both LARA Intercom and the application, the user is set up the same way.

A maximum of 5 users can be set per VTO2000 videophone.

After setting the DAHUA Video telephone, restart the **Logout** menu by pressing the **Restart** button.

4. Setting up a DAHUA contact on LARA Intercom

(Program Lara Configurator v. 3.4.003 or higher)

- **Register a contact in the Lara configurator**

Use the **Load settings** button to connect to the IP address of the LARA device.

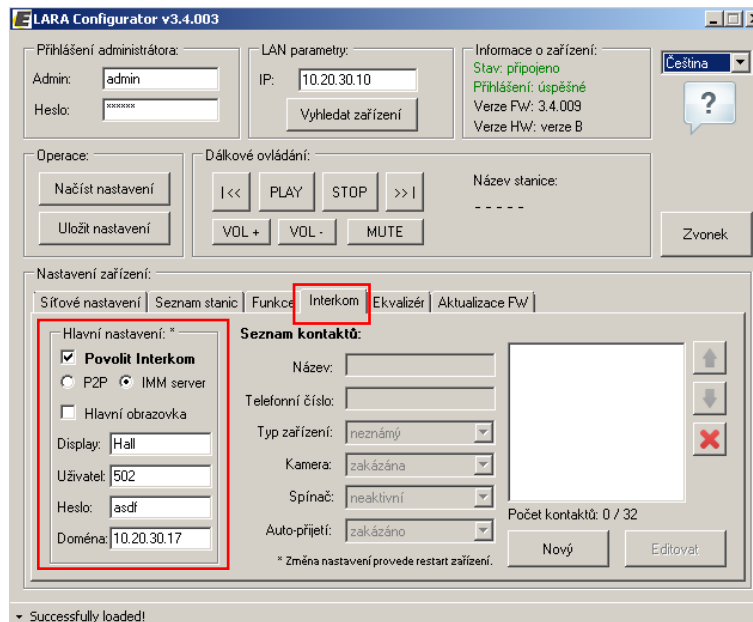On the **Intercom tab,** enable **Enable Intercom**

Activate the **iMM server.**

Fill items:

> Display: **Input**
>
> User: **502**
>
> Password: **asdf**
>
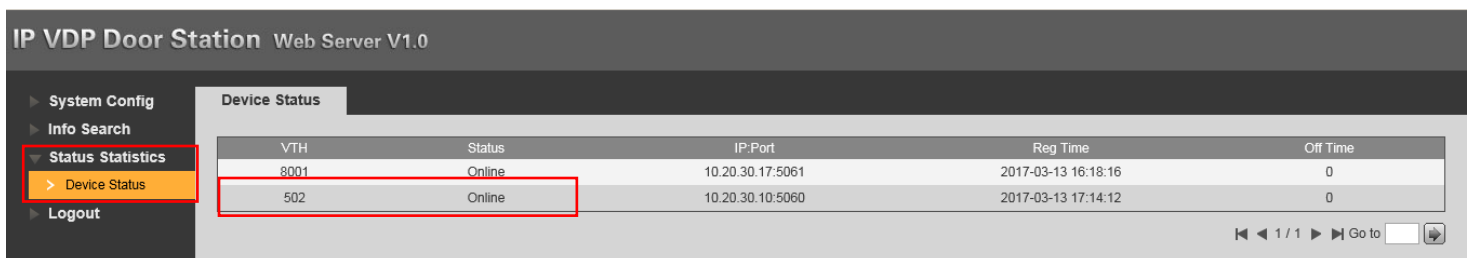> Domain: already set (IP address Dahua video phone)

- **Create a new contact**

To create another contact, use the **New** button.

With this connection to the Dahu Videophone there can be up to 5 contacts.

4.1. Verify connection

For the connection functionality, verify the **Device Status** item on the VTO 2000 web interface in the **Status Statistic** menu

5. Set DAHUA contact in iHC-MAIRF Application

The DAHUA Videophone can be connected separately or in an existing installation with eLAN-RF-003 (or eLAN-RF-Wi-003).

Enter the settings in the app. Touch **Advanced Settings** and then on the Intercom, you will see the videophone **setup menu**.
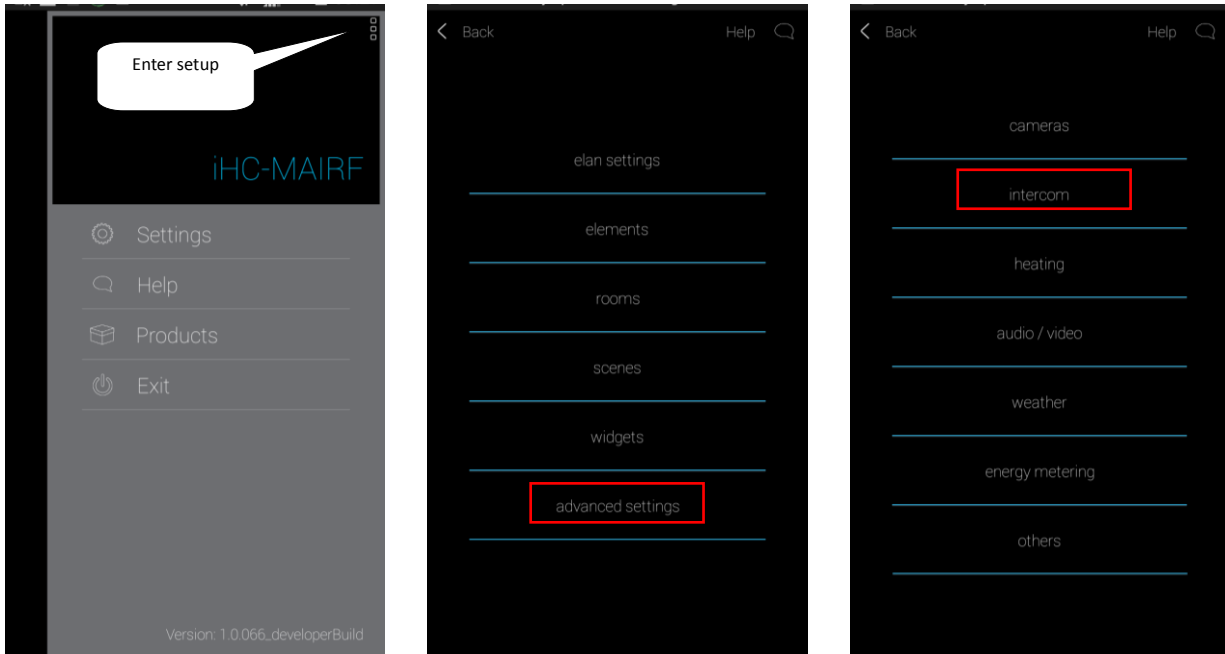
Touch to enable Intercom.
Select the Dahua device type. Enter the access data for the selected Dahua Videophone.
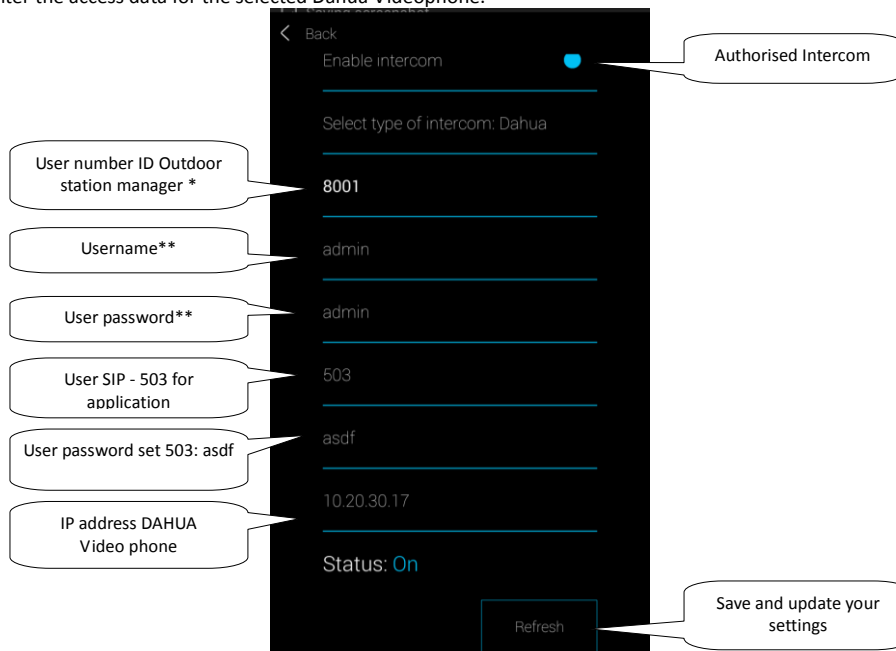
* In the default setting of 8001, the number can be found on the web interface of the videophone, in the **System Config** menu, **Device Manager**, the **Outdoor Station Manager** tab
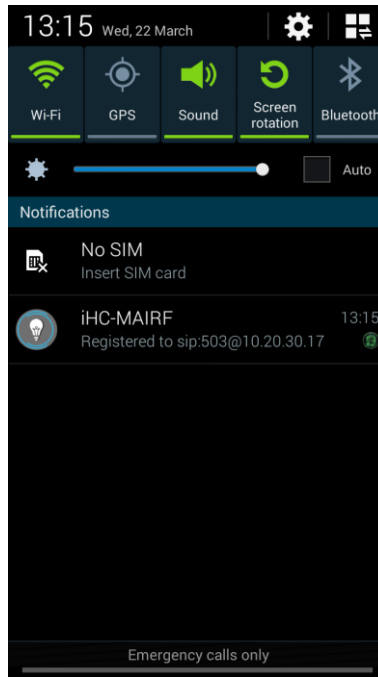** Factory settings:
Username: **admin**
User password**: admin**
You can change the name and password to the video console's Web interface in the **System Config** menu, **User Manager**.
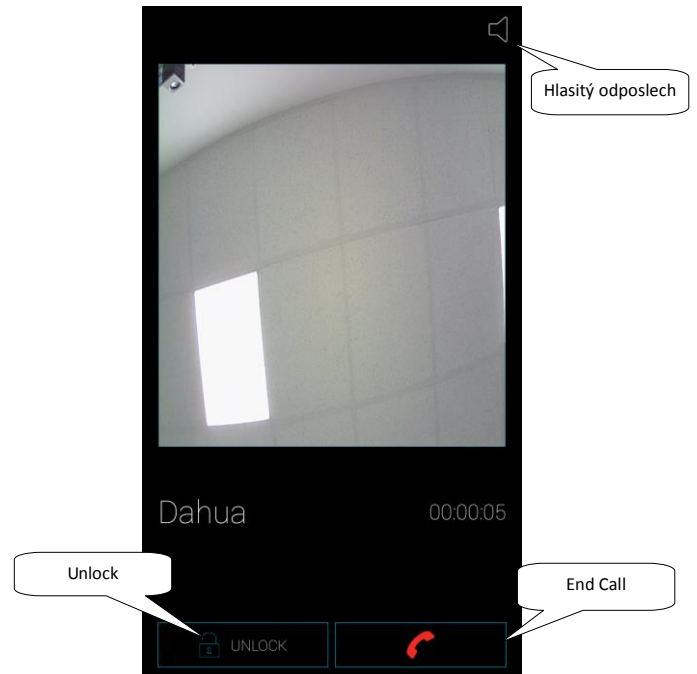
Checking the connection

After intercom setup, you can check the successful connection of the Dahua Videophone application in the android notification bar

Incoming call from the DAHUA Videotelephone: **Incoming call:**

Accept call

Reject call

Hlasitý odposlech

Unlock
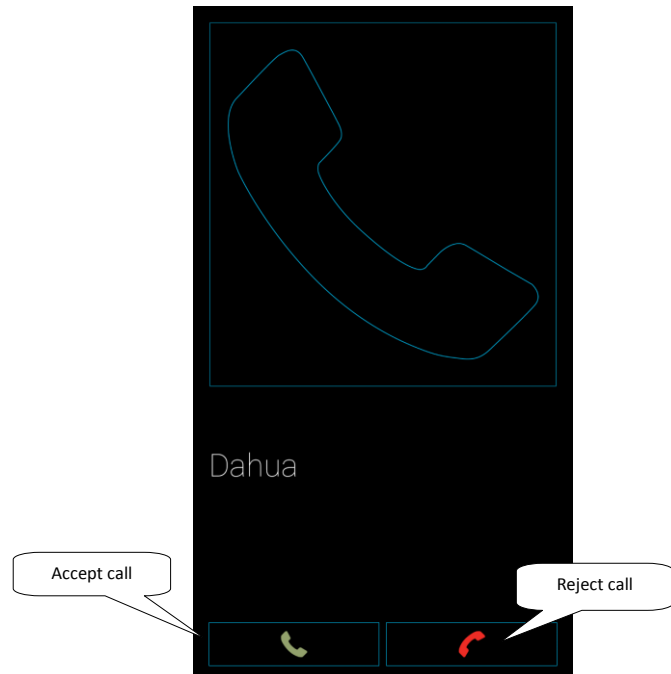
End Call

6. Set up the DAHUA VTO 2000 Videotelephone as a client of iMM or Connection Server
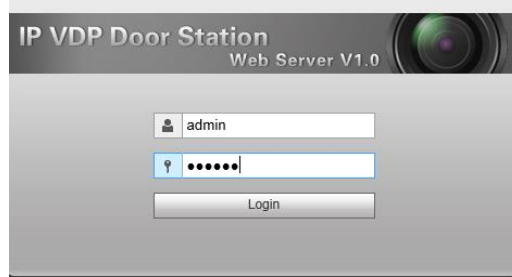
Sign into the **VTO 2000 Videotelephone** web interface in the recommended Internet Explorer browser.

Login data as the factory settings:

Name: admin

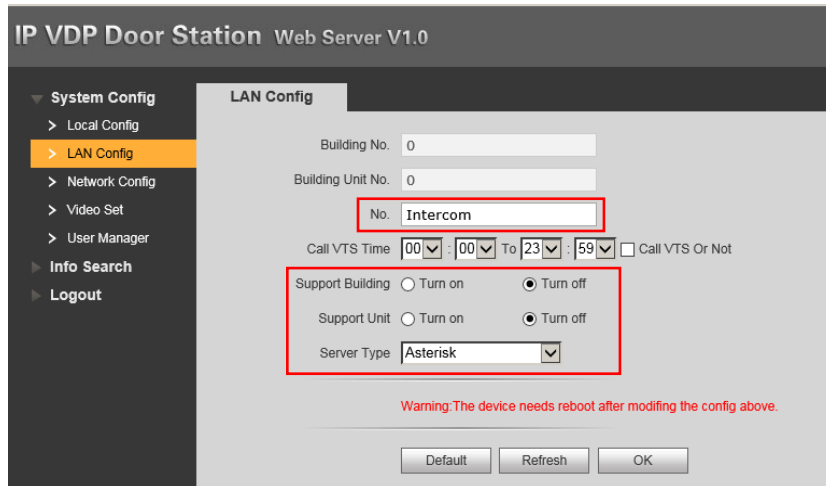Password: admin

Confirm with the **Login** button.

In the **Lan Config** menu, fill in line No. The contact name of the Intercom.
Under **Support building and Support units**, switch to **Turn off**.
On the **Server type menu**, switch to **Asterisk** mode.
Confirm with **OK.**

Go to the **Network Config** menu.
In the **SIP Server Config** tab, enter the IP address of the iMM Server / Connection server or PBX 3rd. (10.20.30.20).
In the **Password** line, set the password for the Intercom contact
In the **SIP line**, delete the **VDP** text and leave it empty.
Save the settings with the **OK** button.

Switch to the **Port Config** folder.
Uncheck the **Enable field**.
Save with **OK**.

Select the **A & C Manager** tab.
In the **Villa Call Number** line, enter **Hall**.
Confirm with **OK**.

6.1. Connect the DAHUA VTO 2000A Video phone as a client of the iMM or Connection Server

Log in to the **IMM or Connection Server** web interface and go to the **Intercoms** tab.

| Server | Configuration | System | HA Bus | RF Configuration | Zones | House | SecurityScan | EventScript | A/C | Rooms |
| Cameras | Miele | Intercoms | Energy | Giom | Manual | Default Settings | Audit | Logout |
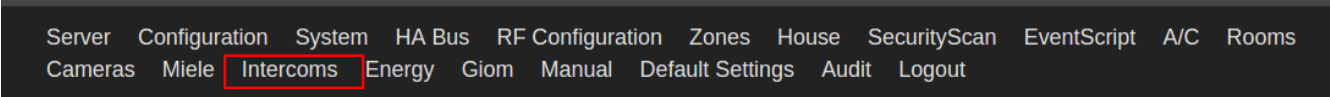
In the **Intercom settings** menu, select the type of Dahua-VTO2000A.

Fill in the login information on the device and the lock code for opening.

Intercom settings

Device type:
Dahua-VTO2000A ▾ Username: admin   Password: ••••••••   Lock code: •   save

On the **New intercom account**, create a user on the Asterisk (PBX) server.

Enter the video phone name and fill in the account, name and password to connect to the **Asterisk server** from the **config menu** of the **SIP server config** in the DAHUA video telephone.

Account on the SIP server

New intercom account

Contact name: Entry   Account: Intercom   Secret: asdf   Stream: rtsp://10.20.30.17   Add

Display name when dialed

Link to video stream

Contact list on the server

Update asterisk settings

Apply settings

Activate newly created contacts on the server

Intercom accounts

Contact name	Account	Secret	Stream		
Entry	Intercom	asdf	rtsp://10.20.30.17	Remove	Get 2n config file

Deleting a contact

Uploading 2N Helios contacts

Connection options

IP Type	Connection	Number of Users	Redirecting IP Type / server
Dahua VTO2000	Independent (VTO 2000)	0-5	0
Dahua VTO2000	Client Connected to (iMM Server)	0-100	0 / 5
Dahua VTO2000	Client Connected to (Connection Server)	0-15 *	0 / 5
2N Helios IP series	Client Connected to (iMM Server)	0-100	3 / 5
2N Helios IP series	Client Connected to (Connection Server)	0-15 *	3 / 5
Alphatech IP - BOLD	Client Connected to (iMM Server)	0-100	0 / 5
Alphatech IP - BOLD	Client Connected to (Connection Server)	0-15 *	0 / 5