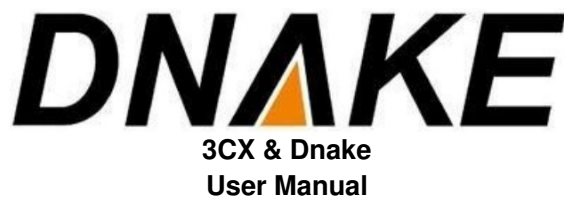


DNAKE 3CX communications solution v18 version User Manual

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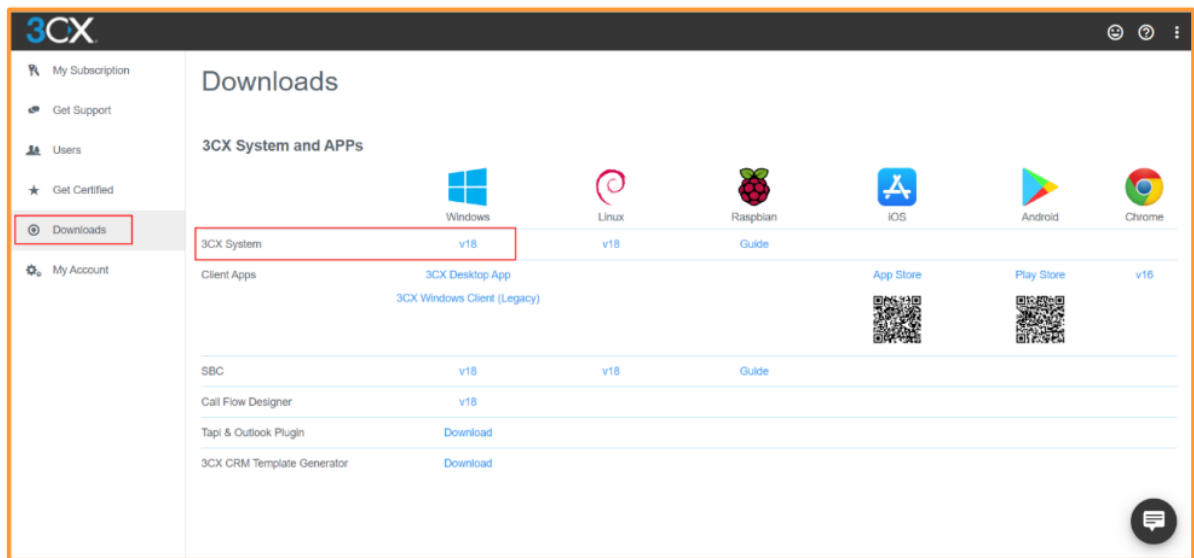
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Establishment of 3CX Server

1.1 Download 3CX

1. Go to the Official website of 3CX (<https://www.3cx.com/>) and download the 3CX System v18 version on your computer.

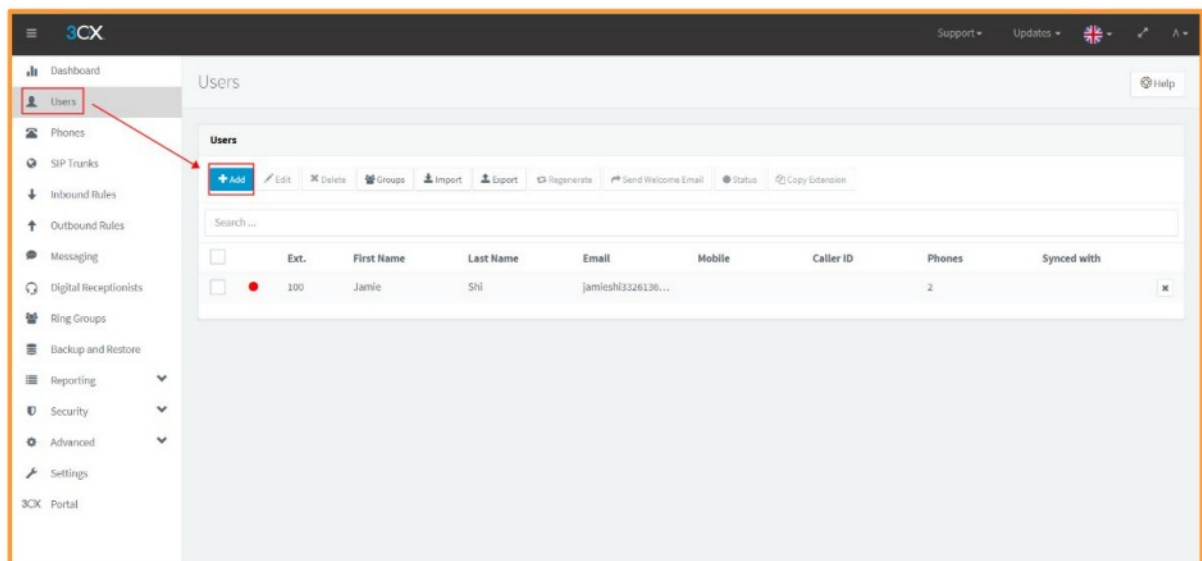


2. After downloading, log in to your 3CX Server.

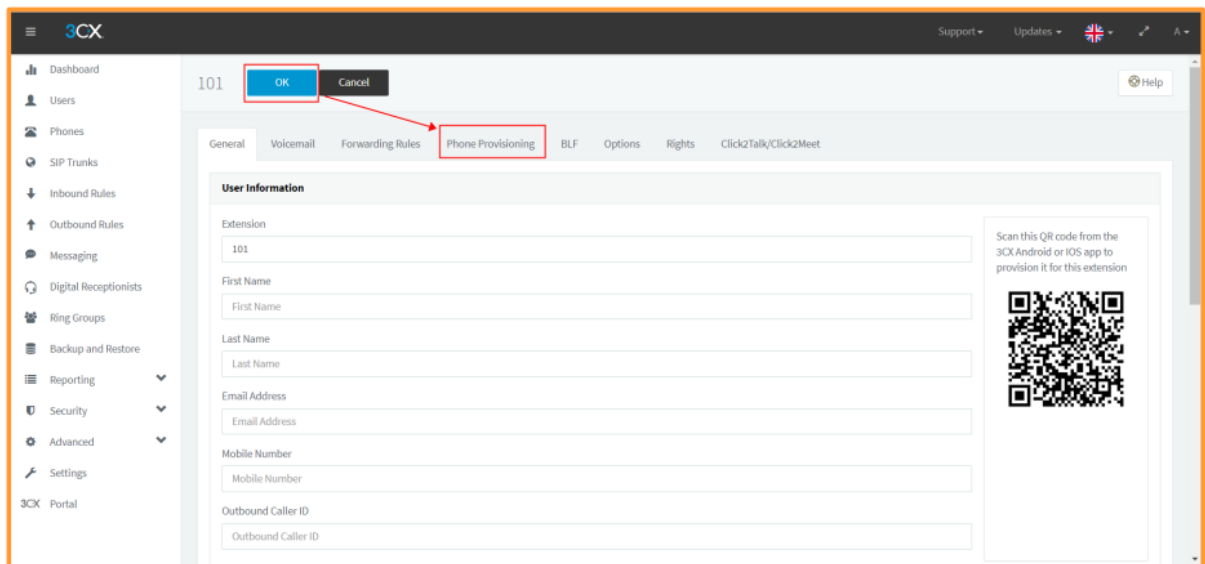
1.2 Add Users for Indoor Monitor and Outdoor Station

1. All other settings remain default. The followings are the steps to add **Users** for Indoor Monitor and Outdoor Station.

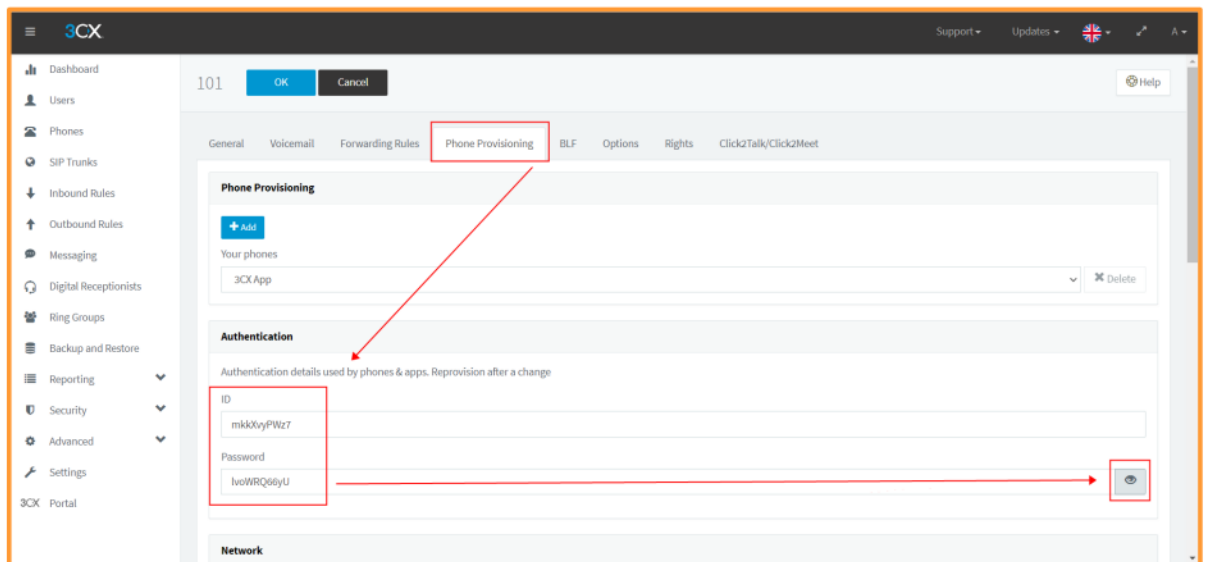
- Step 1: Login 3CX Server. Go to the **Users** page.
- Step 2: Click Add to **add** users.



- Step 3: After clicking **Add**, click **OK** to confirm. A user will be created automatically.



- Step 4: The **ID and Password** of this user account can be found in **Phone Provisioning**. Please note that only visible passwords can be copied. **ID and Password** are useful information we will use in Indoor Monitor and Outdoor Station.



Register Indoor Monitor to 3CX Server

Before you start:

- Make sure the device is in good condition and all the assembly parts are included.
- Make sure your network functions well. The Outdoor Station, the Indoor Monitor, and the computer are under the same LAN. Only when they are under the same LAN can they communicate.
- Download the **Remote Upgrade Tool** from the link below.

(<https://mega.nz/file/hglDVYxB#6lgsmo031nupq30DosaSxHay0WzwwgFQh5ew521hkAA>)

2.1 Network settings

1. Connect the Ethernet cable to Outdoor Station, Indoor Monitor, and computer. Please keep them under **the same LAN**.

2.2 Fill 3CX accounts in the Indoor Monitor

1. The followings are the steps to fill in **Proxy, Realm, User, UserID, and Password** in the Indoor Monitor.

- Step 1: After the settings, you can double click the IP address of the Indoor Monitor on the page of **Remote Upgrade Tool** to open the website. You can also put Indoor Monitor's IP address in the browser's search bar to log in to its webpage with the account: **Admin** and password: **123456**.
- Step 2: Go to **VOIP** to fill in **Proxy and Realm**. Both of their IP address should be 3CX Server's IP addresses such as Proxy: sip:192.168.0.104 and Realm: 192.168.0.104.

Streaming Media Solution

Main
Network
RoomNo.
VOIP
Advanced
Webkit
Others
License
Logout

SIP Settings

SIP enable: ☒

Proxy: sip:192.168.0.104
Realm: 192.168.0.104
Outbound: sip:

User: 101
UserId: kYfUvQcrG7
Password: *****
Transport: TCP
Timeout: 300s
Voice Multicast: 224.0.2.1:50001

Submit

- Step 3: Still on the page of **VOIP**, please fill in **User, UserID, and Password** of 3CX Server's User you want to distribute to Indoor Monitor. User is the Extension number of 3CX Server. UserID is the ID of the Extension and Password is the Password of the extension. Remember to tick **SIP enable** and then **Submit** after filling in Proxy, Realm, User, UserID, and Password.

Streaming Media Solution

Main
Network
RoomNo.
VOIP
Advanced
Webkit
Others
License
Logout

SIP Settings

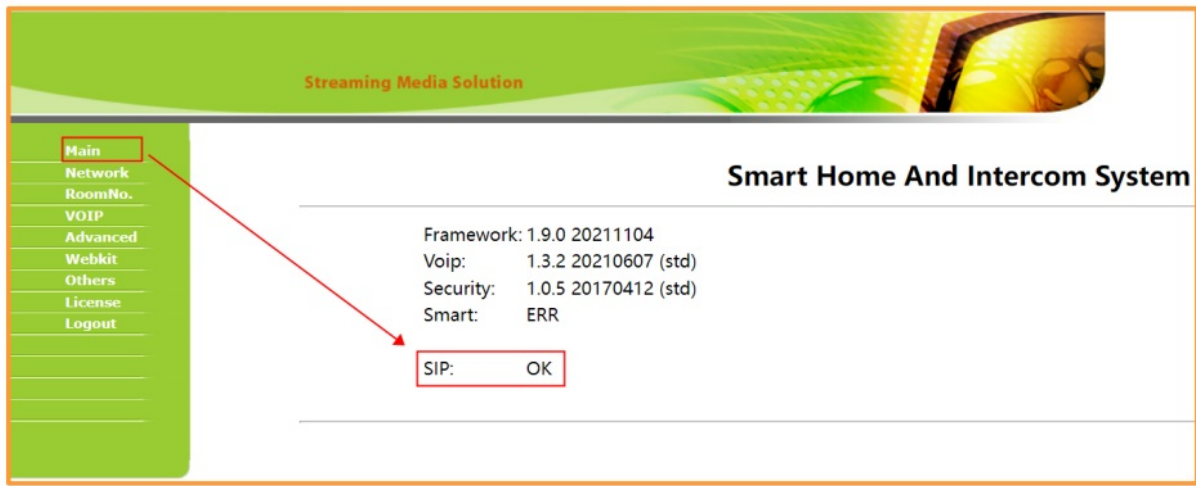
SIP enable: ☒

Proxy: sip:192.168.0.104
Realm: 192.168.0.104
Outbound: sip:

User: 101
UserId: kYfUvQcrG7
Password: *****
Transport: TCP
Timeout: 300s
Voice Multicast: 224.0.2.1:50001

Submit

- Step 4: Go to the **Main** page to check if SIP is OK or not. If SIP is OK, then Indoor Monitor is ready. If SIP is ERR, please make sure numbers are all correctly filled.



Register Outdoor Station to 3CX Server

Before you start:

- Make sure the device is in good condition and all the assembly parts are included.
- Make sure your network functions well. The Outdoor Station, the Indoor Monitor, and the computer are under the same LAN. Only when they are under the same LAN can they communicate.
- Download the **Remote Upgrade Tool** from the link below.

(<https://mega.nz/file/hgIDVYxB#6lgsmo031nupq30DosaSxHay0WzwwgFQh5ew521hkAA>)

3.1 Network settings

1. Connect the Ethernet cable to Outdoor Station, Indoor Monitor, and computer. Please keep them under the same LAN.

3.2 Fill 3CX accounts in the Outdoor Station

1. The followings are the steps to fill in **Proxy, Realm, User, UserID, and Password** in the Outdoor Station.
 - Step 1: After the settings, you can double click the IP address of the Outdoor Station on the page **Remote Upgrade Tool** to open the website. You can also put Outdoor Station's IP address in the browser's search bar to log in to its webpage with the account: **Admin** and password: **123456**.
 - Step 2: Go to **VOIP** to fill in **Proxy and Realm**. Both of their IP address should be 3CX Server's IP addresses such as Proxy: sip:192.168.0.104 and Realm: 192.168.0.104.

- Step 3: Still on the page of **VOIP**, please fill in **User**, **UserID**, and **Password** of 3CX Server's User you want to distribute to Outdoor Station. User is the Extension number of 3CX Server. UserID is the ID of the Extension and Password is the Password of the extension. Remember to tick **SIP enable** and then **Submit** after filling in Proxy, Realm, User, UserID, and Password.

- Step 4: Go to the **Main** page to check if SIP is OK or not. If SIP is OK, then Outdoor Station is ready. If SIP is ERR, please make sure numbers are all correctly filled.



3.3 Forward settings in the Outdoor Station or Villa Panel

- Settings of **Apartment Outdoor Station**: In the web setting of Dnake Intercom, go to the section "Forward" over there you need to fill in "RoomNo" and "Account No".
 - Room No is the number you dial in the Outdoor Station.
 - Both RoomNo and Account should be the same with the extension you filled in Indoor Monitor. For example, both Romeo and Account should be 101 if the extension number (User in VOIP) is 101 in Indoor Monitor. Remember to **Submit** and then it will show up in the chart below.
 (Both RoomNo and Account can be deleted by ticking up Delete, filling in the numbers you want to delete, and Submit. The number you filled in will be deleted and disappear from the chart below.)

RoomNo:	Account:
101	101

RoomNo:	Account:
101	101

After settings, you can dial RoomNo in the Outdoor Station to call the corresponding Extension.

- Settings of **Villa Panel**: In the web setting of Dnake Intercom, go to the section "Forward" over there you need to fill in "RoomNo" and "Account No".
 - Room No in the Forward page should be the same as the RoomNo on Villa Panel on the Device page.

- The account should be the same as the extension you filled in Indoor Monitor. For example, the Account should be 101 if the extension number (User in VOIP) is 101 in Indoor Monitor.

Remember to **Submit** and then it will show up in the chart below.



(Both RoomNo and Account can be deleted by ticking up Delete, filling in the numbers you want to delete, and Submit. The number you filled in will be deleted and disappear from the chart below.)

After settings, you can press the button in the Villa Panel to call the corresponding Extension.

Documents / Resources

<p>DNAKE</p> <p>3CX & Dnake User Manual</p>	<p>DNAKE 3CX communications solution v18 version [pdf] User Manual</p> <p>3CX, communications solution v18 version</p>
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References

-  mega.nz/file/hglDVYxB#6lgsmo031nupq30DosaSxHay0WzwwgFQh5ew521hkAA
-  [Business Communication Solutions & Software | 3CX](#)

Manuals+.