



INTERCOM DEMO KIT

QUICK INSTALL GUIDE

BARIX INTERCOM DEMO KIT

Kit with outdoor and indoor unit for the demonstration of Barix Annunicom IC network intercom devices

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Step by step setup guide for the Barix intercom demo kit .

Features:

- outdoor station with bell button and LED light for door strike status display
- indoor station with telephone handset and buttons for talk and door strike activation

Additional requirements: (not included)

- 2 Barix Annunicom IC devices with power supplies and network cables
- network infrastructure (switch or hub)
- PC with standard web browser

Package content



1 Preparation

Please prepare the following parts:

- Two Annunicom IC devices with original power supplies and network cables
- Network infrastructure: switch or hub (optionally a router with DHCP server)
- PC with a standard browser to configure the devices.
- Intercom demo kit update package (download from www.barix.com/demokit.html), unzip the file (this creates a folder named "intercom_demo_kit_update" and contains a web update file as well as a rescue kit for use with the serial cable)

2 Assembly

- Take all parts out of the box.
- Plug in the handset cable into the indoor unit as shown in the picture on the right. Make sure to plug it in all the way (you should hear a click) to prevent a loose connection.

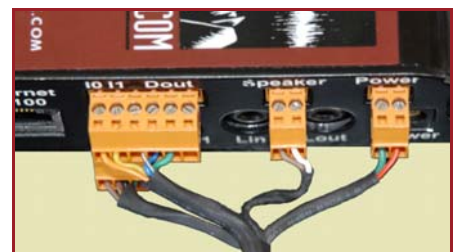


IMPORTANT

Disconnect both power supplies from the Annunicom IC devices before continuing !

3 Connecting the indoor unit

- Plug in the 3-pin microphone connector into the MIC0 socket. Make sure to plug it in all the way (you should hear a click) to prevent a loose connection
- Plug in the 6-pin I/O connector
- Plug in the 2-pin speaker connector (check that the wire colors are brown and white)
- Plug in the 2-pin power connector (check that the wire colors are green and red, there should also be a power label)



WARNING

Swapping the power and the speaker connector and powering the Annunicom IC device can destroy the attached intercom unit.

- Connect the network cable to the switch/hub and the Annunicom IC
- Connect the original power supply to the Annunicom IC
- Lift the headset in order to hear the IP address announcement (SonicIP e.g. 192.168.0.5), write down the IP address for updating and configuring the device in a later step

4 Connecting the outdoor unit

- Plug in the 3-pin microphone connector into the second Annunicom IC. Make sure to plug it in all the way (you should hear a click) to prevent a loose connection
- Plug in the 6-pin I/O connector
- Plug in the 2-pin speaker connector (check that the wire colors are brown and white)
- Plug in the 2-pin power connector (check for the green LED, the wire color is red and there should be also a power label)



WARNING

Swapping the power and the speaker connector and powering the Annunicom IC device can destroy the attached intercom unit.

- Connect a network cable between the switch/hub and the Annunicom IC
- Connect the original power supply to the Annunicom IC
- Listen to the IP address announcement (so called SonicIP, e.g. “one nine two dot...”) over the speaker and write down the IP address for updating and configuring the device in a later step

5 Updating the Annunicom IC devices

- Open a browser window and type in the IP address of the first Annunicom IC followed by “/update.html” and hit ENTER to display the update page (e.g. 192.168.2.71/update.html) The device will then restart and after a few seconds you will see the update screen
- Click on the “Browse...” button and select from the folder “intercom_demo_kit_update” the file “annunicomic.bin” and click on “Open”
- Back in the update window click on the “Upload” button (the upload will take about two minutes). Do not power off the device while uploading !
- A message will show the success of the upload (see screen on the right)
- Unplug the power supply and reconnect it
- Repeat step **5** for the second device

6 Configuring the Annunicom IC devices

- Open a browser window and type in the IP address of the Annunicom IC connected to the indoor station followed by “/demokit.html” and hit ENTER to show the demo kit configuration page (e.g. 192.168.2.71/demokit.html) and the following screen will be displayed:



- Click on the indoor station picture to start the configuration procedure.
- Please wait until the device has rebooted and follow the instructions
- Repeat step **6** for the outdoor Annunicom IC

7 Operating the Kit

- Push the “Bell” button on the outdoor station

You will hear the buzzer on the indoor station (make sure that the handset is placed correctly in the cradle in order to hear the buzzer)

- Pick up the handset, push the “Talk” button and speak to the outdoor station

You will hear your voice on the speaker of the outdoor station

- Release the “Talk” button

You will hear audio picked up by the outdoor stations microphone (for 20 seconds max.)

- To interrupt the talking outdoor station simply push the “Talk” button again and speak

- To open the door briefly push the “Door” button on the indoor unit

You will hear a click inside the outdoor Annunicom IC device (relay clicking) and see the green signal lamp (LED) light up simulating a door strike for 3 seconds

8 Suggestions

- Repeat step **6** on both devices but this time select one of the other encoding options to discover advantages / disadvantages of MP3 versus G.711 versus PCM at different sample rates
- To access all configuration parameters open a browser window and type in the IP address of the Annunicom IC, hit ENTER to show the status page (e.g. 192.168.2.71) and click on the “CONFIGURATION” link