

DevConnect Program

Application Notes for Aiphone IX Series 2 Audio Door Stations (IX-SS-2GT) with Avaya IP Office Server Edition -Issue 1.0

Abstract

These Application Notes describe the configuration steps required to integrate Aiphone IX Series 2 Audio Door Station (IX-SS-2GT) Version 7.00 with Avaya IP Office Server Edition 11.1 and Avaya IP Office 500V2 Expansion System 11.1. The Aiphone IX-SS-2GT Audio Door Station, which is part of the Aiphone IX Series 2 Audio Door Stations, was used for the compliance test. Aiphone IX-SS-2GT Audio Door Station is a flush mount, weather resistant audio door station. It has one dry contact that can be used to release doors when activated by a phone. Aiphone IX-SS-2GT Audio Door Station registers with Avaya IP Office as a SIP endpoint.

Readers should pay attention to **Section 2**, in particular the scope of testing as outlined in **Section 2.1** as well as the observations noted in **Section 2.2**, to ensure that their own use cases are adequately covered by this scope and results.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the Avaya DevConnect Program.

1. Introduction

These Application Notes describe the configuration steps required to integrate Aiphone IX Series 2 Audio Door Station (IX-SS-2GT) Version 7.00 with Avaya IP Office Server Edition 11.1 and Avaya IP Office 500V2 Expansion System 11.1. The Aiphone IX-SS-2GT Audio Door Station, which is part of the Aiphone IX Series 2 Audio Door Stations, was used for the compliance test. Aiphone IX-SS-2GT Audio Door Station is a flush mount, weather resistant audio door station. It has one dry contact that can be used to release doors when activated by a phone. Aiphone IX-SS-2GT Audio Door Station (IX-SS-2GT) registers with Avaya IP Office as a SIP endpoint.

2. General Test Approach and Test Results

The interoperability compliance test included feature and serviceability testing. The feature testing focused on establishing audio calls between Aiphone IX-SS-2GT Audio Door Station, Avaya SIP and H.323 telephones, and the PSTN, and exercising basic telephony features, such as hold/resume, mute/unmute, transfer, conference, call forwarding, and call coverage from an Avaya IP endpoint. Additional telephony features, such as call forward and call coverage, were also verified.

The serviceability testing focused on verifying that the Aiphone IX-SS-2GT Audio Door Station comes back into service after re-connecting the Ethernet cable.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

Avaya recommends our customers implement Avaya solutions using appropriate security and encryption capabilities enabled by our products. The testing referenced in this DevConnect Application Note included the enablement of supported encryption capabilities in the Avaya products. Readers should consult the appropriate Avaya product documentation for further information regarding security and encryption capabilities supported by those Avaya products.

Support for these security and encryption capabilities in any non-Avaya solution component is the responsibility of each individual vendor. Readers should consult the appropriate vendor-supplied product documentation for more information regarding those products.

For the testing associated with this Application Note, the interface between Avaya systems and Aiphone IX-SS-2GT Audio Door Station did not include use of any specific encryption features as requested by Aiphone.

2.1. Interoperability Compliance Testing

Interoperability compliance testing covered the following features and functionality:

- SIP registration of IX-SS-2GT with IP Office.
- Audio calls between IX-SS-2GT and Avaya SIP and H.323 deskphones with Direct IP Media (Shuffling) enabled and disabled.
- Audio calls between IX-SS-2GT and the PSTN.
- G.711 codec support.
- UDP transport protocol.
- IX-SS-2GT placing, answering, and terminating calls.
- DTMF tones recognition via input of Door Release Authorization Authentication Key.
- Basic telephony features, including hold/resume, mute/unmute, transfer, and 3-way conference, initiated from an Avaya IP endpoint.
- Proper system recovery after re-establishing IP connectivity to IX-SS-2GT.

2.2. Test Results

All test cases executed passed successfully.

2.3. Support

For technical support of Aiphone IX Series 2 Audio Door Stations, contact Aiphone Technical Support via phone or website.

- Phone: +1 (800) 692-0200
- Web: <u>https://www.aiphone.com/support/technical-support</u>

3. Reference Configuration

Figure 1 illustrates a sample configuration with an Avaya SIP-based network. Aiphone IX-SS-2GT Audio Door Station registered to either IP Office Server Edition or IP Office 500 V2 Expansion System (not simultaneously).



Figure 1: Avaya SIP Telephony Network with Aiphone IX-SS-2GT Audio Door Station

4. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

| Equipment/Software | Release/Version |
|---|-------------------------------|
| Avaya IP Office Server Edition | 11.1.2.4.0 build 18 (FP2 SP4) |
| Avaya IP Office 500V2 Expansion System | 11.1.2.4.0 build 18 (FP2 SP4) |
| Avaya 96x1 Series IP Deskphones | 6.8.5.2.3 (H.323) |
| Avaya J100 Series IP Phones | 4.0.10.3.2 (SIP) |
| Aiphone IX-SS-2GT Audio Door Station | 7.00 |

Note: Compliance Testing is applicable when the tested solution is deployed with a standalone IP Office 500 V2 and when deployed with IP Office Server Edition in all configurations.

5. Configure Avaya IP Office Server Edition

This section provides the procedures for configuring Avaya IP Office Server Edition. The procedures include the following areas:

- Obtain LAN IP Address
- Administer SIP Registrar
- Administer SIP Extension for IX-SS-2GT
- Administer SIP User for IX-SS-2GT

Note: This section covers the configuration of Avaya IP Office Server Edition, but the configuration is the same for Avaya IP Office 500 V2 Expansion System.

5.1. Obtain LAN IP Address

From a PC running the IP Office Manager application, on the configuration tree in the left pane, select **System** to display the **System** screen for the IP Office Server Edition in the right pane. Select the **LAN1** tab, followed by the **LAN Settings** sub-tab in the right pane. Make a note of the **IP Address**, which will be used later to configure IX-SS-2GT.



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5.2. Administer SIP Registrar

Select the **VoIP** sub-tab. Ensure that **SIP Registrar Enable** is checked and enter a valid **SIP Domain Name**. In the compliance testing, the **SIP Domain Name** field was set to *avaya.com*. UDP transport protocol was enabled for the **Layer 4 Protocol**, which was used by IX-SS-2GT.

| 📶 Avaya IP Office Select Manager for Serve | 🖞 Avaya IP Office Select Manager for Server Edition ServerEdition [11.1.2.4.0 build 18] - 🗆 🗙 | | | | | | |
|--|--|--|--|--|--|--|--|
| File Edit View Tools Help | File Edit View Tools Help | | | | | | |
| : 2 🖻 - 🖃 🔺 🔜 🖬 🔺 🛹 🍛 | Image: ServerEdition • System • ServerEdition • | | | | | | |
| Configuration | Image: ServerEdition* Image: Arrow of the server | | | | | | |
| BOOTP (2) Operator (3) | LAN1 LAN2 DNS Voicemail Telephony Directory Services System Events SMTP SMDR VolP Contact Center Ava< LAN Settings VolP Network Topology | | | | | | |
| Group(2) Group(2) Group(48) | ✓ H.323 Gatekeeper Enable Auto-create Extension Auto-create User H.323 Remote Extension Enable H.323 Signaling over TLS Preferred Remote Call Signaling Port 1720 | | | | | | |
| Directory(0) Time Profile(0) Account Code(0) Gong User Rights(9) | SIP Trunks Enable SIP Registrar Enable Auto-create Extension/User □ SIP Remote Extension Enable Allowed SIP User Agents Allow All SIP Domain Name ■ avaya com | | | | | | |
| E | SIP Registrar FQDN | | | | | | |
| System (1) | ✓ UDP UDP Port 5060 Remote UDP Port S060 Remote UDP Port S060 Remote TCP Port S060 S060 Remote TCP Port S060 Remote TCP Port S060 S060 Remote TLS Port | | | | | | |
| Control Unit (9) | Challenge Expiration Time (sec) | | | | | | |
| User (29) | OK Cancel Help | | | | | | |
| Ready | | | | | | | |

5.3. Administer SIP Extension for IX-SS-2GT

From the configuration tree in the left pane, right-click on **Extension** and select **New** \rightarrow **SIP** from the pop-up list to add a new SIP extension. Enter the desired extension for the **Base Extension** field as shown below. In this example, IX-SS-2GT was assigned extension 72003. This is the extension that IX-SS-2GT will use to register with IP Office Server Edition.

| 📶 Avaya IP Office Select Manager for Serv | ver Edition ServerEdition [11.1.2.4.0 build 18] | | – 🗆 X |
|---|---|---------------------------------|-----------------|
| File Edit View Tools Help | | | |
| 🗄 🚨 - 🖃 🖪 💽 📰 🛕 🛹 🐸 | ServerEdition • Extension | 11219 72003 | • |
| Configuration | E SIP Ex | tension: 11219 72003 | 🖆 🕶 🛛 🗙 🛛 🖌 🗠 🎽 |
| Location(4) | Extension VolP | | |
| ServerEdition | Extension ID | 11219 | ^ |
| 🖃 🐨 System (1) | Base Extension | 72003 | |
| ServerEdition | | | |
| ⊞ | Phone Password | | |
| Control Unit (9) | Confirm Phone Password | | |
| Extension (28) | Caller Display Type | On | ~ |
| | Reset Volume After Calls | | |
| | | | |
| | Device Type | Unknown SIP device | |
| | Location | Automatic | |
| | | Automatic | |
| | Fallback As Remote Worker | Auto | ~ |
| | Module | 0 | |
| | Port | 0 | |
| | | | |
| | Disable Speakerphone | | |
| | | | |
| | | | ~ |
| | | | |
| < · · · · · · · · · · · · · · · · · · · | | | OK Cancel Help |
| Ready | | | 🔒 .:: |

Select the **VoIP** tab and retain the default values. During the compliance test, IX SS-2GT was tested with *G.711 ULaw* codec. Enable **Allow Direct Media Path** so that audio/RTP flows directly between two SIP endpoints without using media resources in Avaya IP Office Server Edition. **Media Security** was *disabled* for IX-SS-2GT.

| 📶 Avaya IP Office Select Manager for Se | ver Edition ServerEdition [1 | 1.1.2.4.0 build 18] | - 🗆 X | | | |
|--|---|---|--|--|--|--|
| File Edit View Tools Help | | | | | | |
| 12 🖂 🖾 🔚 🖪 🔛 🔛 🔨 | ServerEdition | ▪ Extension 		 11219 72003 | | | | |
| Configuration | III | SIP Extension: 11219 72003 | 📸 - 🔛 🗙 🗸 > 🛔 | | | |
| Account Code(0) | Extension VolP | | | | | |
| ⊕∰_ User Rights(9) ⊕≦∰, Location(4) | IP Address | 0 . 0 . 0 . 0 | Requires DTMF Local Hold Music | | | |
| ServerEdition | Codec Selection | System Default | ✓ Re-invite Supported | | | |
| ı∃ T T Line (4) ı∃ ≪ Control Unit (9) | | G.722 64K G.729(a) 8K CS-ACELP S>>> G.711 ULAW 64K G.711 ALAW 64K | Codec Lockdown Allow Direct Media Path | | | |
| Extension (28) 11200 70001 11201 70002 11202 70003 11203 70004 11204 70005 11215 70007 11216 70008 11205 70009 11206 70010 11226 71001 11217 72001 11218 72002 | Reserve License Fax Transport Support DTMF Support 3rd Party Auto Answer Media Security | None RFC2833/RFC4733 None Disabled | | | | |
| 11219 72003 | | | OK Cancel Help | | | |
| Ready | | | <u>.</u> | | | |

5.4. Administer SIP User for IX-SS-2GT

From the configuration tree in the left pane, right-click on **User** and select **New** from the pop-up list. Enter desired values for the **Name** and **Full Name** fields. For the **Extension** field, enter the SIP extension from **Section 5.3** (e.g., 72003).



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| 1 Avava IP Office Select Manager for Server Edition | ServerEdition [11.1.2.4.0 bu | ild 181 | | | | | - 0 | × |
|---|--|---|--|-----------|------------|---------|-------------------------------|-------------------|
| File Edit View Tools Help | | | | | | | | |
| | ServerEdition - Use | er | 72003 IX-5 | S-2GT | - | | | |
| Configuration | = | IX-SS-2 | GT 72003 | | | · 🖻 🛛 🗙 | | > #2 |
| Location(4) | User Voicemail DN | D Short Codes | Source Numbers | Telephony | Eonwarding | Dial In | Voice Record | |
| ServerEdition | Voicemail Code | | | leicphony | Torwarding | | Voicemail On | |
| e | Confirm Voicemail Code Voicemail Email | | | | | | Voicemail He Voicemail Rin | p gback |
| Extension (28) | | | | | | | Voicemail Em UMS Web Ser | ail Reac vices |
| Nolser Nolser T2012 1100 User T2011 1608 User T72019 9641 H323 User T72019 9641 H323 User T72019 71001 H323 User T72011 IX-BB T72001 IX-BB T72005 IX-DB T72006 IX-DBT T72006 IX-DBT | - Voicemail Email Off Copy Fe DTMF Breakout Reception/Breakout (DT i Breakout (DTMF 2) i Breakout (DTMF 3) i | orward Alert MF 0) Sys Sys Sys | tem Default () tem Default () tem Default () | | | | Enable GMAII | API |
| 72009 IX-MV7-HBT | < | | | | OK | Can | cel | > elp |
| Ready | | | | | | | | <u> </u> |

Select the **Voicemail** tab and disable voicemail for IX-SS-2GT

Select the **Telephony** tab followed by the **Call Settings** sub-tab. Note the settings below for the user.

| 🐮 Avaya IP Office Select Manager for Server Edi | tion ServerEdition [11.1.2.4.0 build 18] | | – 🗆 X |
|---|---|-------------------------------------|--------------------------------|
| File Edit View Tools Help | | | |
| 🗄 🚨 - 🖃 🔺 💽 📰 🛕 🛹 🐸 🗃 | ServerEdition • User | ▼ 72003 IX-SS-2GT ▼ | |
| Configuration | E IX-S | S-2GT: 72003 | 📸 - 🔛 🗙 🗸 < > 🦽 |
| ServerEdition | User Voicemail DND Short Codes Call Settings Supervisor Settings Multi | Source Numbers Telephony Forwarding | Dial In Voice Recording Bu + + |
| ⊞ T Line (4) ⊞≪⊃ Control Unit (9) | Outside Call Sequence | Default Ring | Call Waiting On |
| ⊕ € Extension (28) ⊟ User (29) | Ringback Sequence | Default Ring | Busy On Held |
| 72012 1100 User | No Answer Time (sec) Wrap-Up Time (sec) | 2 | Off-hook Station |
| 72011 1608 User | Transfer Return Time (sec) Call Cost Mark-Up | 0ff - | |
| 71001 H323User1 | Advertise Callee State To Internal Callers | System Default (Off) \checkmark | |
| | | | |
| | | | |
| | | | |
| | < | _ | |
| < > > Ready | | | Cancel Help |

Select the **Supervisor Settings** sub-tab and enter a desired **Login Code**. The **Login Code** is the password that will be used by IX-SS-2GT to register with IP Office Server Edition.

| 🐮 Avaya IP Office Select Manager for Server Ed | ition ServerEdition [11.1.2.4.0 b | uild 18] | | | | | _ | 0 X |
|---|--|--|------------------------------|--|---|----------------|----------------|-----------|
| File Edit View Tools Help | | | | | | | | |
| i 2. 🗁 - 🖬 i 🛋 💽 🖬 🔺 🛹 🐸 🗃 | ServerEdition • Us | ser | • 72003 IX- | SS-2GT | - | | | |
| Configuration | × | IX-SS-2G | T: 72003 | | ť | 🛉 🗕 🎽 | 🗙 🖌 | < > 🦽 |
| ServerEdition | User Voicemail DND Call Settings Supervisor Login Code [Confirm Login Code | Short Codes Source Settings Multi-line Opt | e Numbers T tions Call Lo | g TUI | orwarding Login | Dial In 1 | Voice Recordir | ng Bi () |
| User (29) | Login Idle Period (sec) Monitor Group Coverage Group Status on No-Answer | <none> <none> Logged On (No change</none></none> | ~ ~) ~ | Force Force Outgo | Account Co Authorizatio ning Call Bar ping Call Bar | ode on Code | | |
| | Privacy Override Group Reset Longest Idle Time | <none></none> | ~ | ☐ Inhibit ☐ Can In ☑ Canno ☐ Can Tr ☐ Deny # | t Off-Switch htrude ot Be Intrude race Calls Auto Interco | Forward/ ed | Transfer | |
| ☐ ☐ 72006 IX-DBT ☐ ☐ 72007 IX-DVT ☐ ☐ 72008 IX-EAT ☐ ☐ 72009 IX-MV7-HBT ☐ ☐ 72004 IX-RS-BT ☐ ☐ 72003 IX-SS-2GT | < | | | | | | | > |
| < >> Ready | | | | | OK | | Cancel | Help |

6. Configure Aiphone IX-SS-2GT Audio Door Station

This section provides the procedure for configuring IX-SS-2GT to provide SIP connectivity to IP Office. Configuration of IX-SS-2GT is performed via Aiphone IX System web interface.

- Log into Aiphone IX System Web Interface
- Administer Station Information
- Administer SIP Parameters
- Administer Audio Settings
- Administer Call Settings

6.1. Log into Aiphone IX System Web Interface

Access the Aiphone IX System Web Interface by using the URL <u>https://<ip-</u>

address>/webset.cgi?login in an Internet browser, where *<ip-address>* is the IX-SS-2GT IP address. Select language (not shown) and log in using the appropriate credentials.

| AIPHONE IX System | | | | |
|-------------------|--|--|--|--|
| | Enter ID and password ID: Password: Login | | | |
| | | | | |

6.2. Administer Station Information

Navigate to **Station Information** \rightarrow **Identification** and set the **Number** to the IX-SS-2GT SIP extension (e.g., 72003). Input an appropriate **Name**.

| AIPHONE IX Sys | tem Setting Station Type: IX-SS-2CT | | |
|-----------------------------------|--|---------------------|---|
| Station Information | ^ | Station Info | mation |
| Identification ID and Password | | | Required Settings |
| Language Time | | | |
| Network Settings | •Identification- | | |
| IP Address DNS | Number • | 72003 | 3-5 digits |
| SIP | Name | IX-SS-2GT | 1-24 alphanumeric characters(*1) |
| Audio | Location | | 1-24 alphanumeric characters(*1) |
| Packet Priority NTP | | (*1)Certain charact | ers may not be displayed correctly on IX-MV, IX-MV7-* and IX-MV7-*T due to font type. |

6.3. Administer SIP Parameters

Navigate to **Network Settings** \rightarrow **SIP** from the left pane and configure the following parameters:

- **SIP Signaling Port:** Set to 5060.
 - User Agent: Enter desired value (e.g., *IX-SS-2GT*).
 - Set to SIP extension (e.g., 72003) from Section 5.3.
 - Enter SIP password from Section 5.4.
 - Set to signaling IP address of IP Office (e.g.,
- Port:

ID:

Password:

IPv4 Address:

•

•

•

•

10.64.110.65). Set to 5060.

Click **Update** to save changes.

| AIPHONE IX Syste | em Setting Station Type: IX-SS-2GT | | ⇒ Ŭpdate |
|--|---------------------------------------|------------------|---|
| Station Information | | Network Settings | |
| Identification ID and Password Language | •SIP | | |
| <u>Time</u> Expanded System | SIP Signaling Port+ | 5060 | 1-65535 |
| <u>Network Settings</u> <u>IP Address</u> | User Agent | IX-SS-2GT | 1-36 alphanumeric character |
| DNS SIP | SIP Server | | |
| Audio Packet Priority | SIP Compatibility Mode | Standard Mode | ~ |
| Call Settings | ID | 72003 | 1-24 alphanumeric character: |
| Station Settings Called Stations (for Door) | Password IPv4 Address | 10.64.110.65 | 1-24 alphanumeric character 1.0.0.1-223.255.255.254 or h |
| Call Origination Incoming Call | IPv6 Address Port↓ | 5060 | ::FF:0-FEFF:FFFF:FFF:FFF 1-65535 |

6.4. Administer Audio Settings

Navigate to Network Settings \rightarrow Audio in the left pane and set Audio Codec to select *G.711* (*u-law*).

| AIPHONE IX Syste | em Setting Station Type: IX-SS-20T | | ⇒ Update |
|--|--|--|---|
| Station Information | | Network Settings | |
| Identification ID and Password Language Time Expanded System | Audio The "SIP Channel" RTP End Port should be greater than 21 The "ONVIF Transmit Channel" RTP End Port should be g Changing Audio Codec from G.711(µ-law) / G.711(A-law) | 0 digits from the RTP Start Port. reater than 10 digits from the RTP Start Port. to G.722, or from G.722 to G.711(µ-law) / G.711 | (A-law) will cause the station to restart after Update is clicked. |
| Network Settings IP Address DNS SIP Audio Packet Priority NTP | Audio Codec Audio RTP Transmission Interval [msec] RTP Idle Detection Time [sec] + | •G.711(μ-law) •G.711(β 20 • This setting 10 10-180 sec | A-law) OG.722 is ignored when transmitting to multiple stations (paging, etc.) |
| Call Settings Station Settings Called Stations (for Door) Call Origination Incoming Call | RTP Start Port + RTP End Port + | 20000 1-65534 21000 1-65535 | |
| Option Input / Relay Output Settings Option Input Relay Output Exuacion Settings | RTP Start Port + RTP End Port + | 22000 1-65534 23000 1-65535 | |
| Paging Settings Email CGI SIF | Audio Buffer Packets Buffered at Audio Start Maximum Packets Buffered | 1 V 3 V Maximum Packet Buffer must b | e larger than Audio Start Buffer. |

6.5. Administer Call Settings

Navigate to **Call Settings** in the left pane and set the **Call Button Function** to *Call, Answer Call, End Communication* in the **Station Information** section.

In the **Called Stations (for Door)** section, add an entry that specifies the number that should be dialed when the call button is pressed. Set the **Station Number** to the called number (e.g., 72015), set the **IPv4 Address** to the signaling IP address of IP Office (e.g., 10.64.110.65), and set **Station Type** to *VoIP Phone*. Only one VoIP phone may be specified.

| AIPHONE IX Syste Category: Audio Stations | em Setting Station Type: IX-SS-2GT | | | | 📫 Update |
|---|---|---|--|------------------|---------------------------------------|
| Station Information | | | Call Settings | | |
| Identification ID and Password Language Time | | | | | Required Settings |
| Expanded System | • Station Information | | | | |
| Network Settings IP.Address DNS SIP Audio Packet Priority NTP | Call Button Function "Cancel Call, End | Call, Answer Call, End Commu | inication Dption Input call. | v | |
| Call Settings Station Settings Called Stations (for Door) Call Origination | •Called Stations (for Option Input #: | Group 01 | v | | |
| Incoming Call Option Input / Relay Output Settings Option Input | Station Number n IPv4 must be 1.0. IPv6 must be ::FF Enter SIP Primary Station Type mus U = Unicast, M = | nust be 3-> digits. (3-32 digits for VoIP PI 0.1-223.255.255.254 or hostname(1-64 al :0-FEFF:FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF | 10ne) Iphanumeric characters). FFFF:FFFF or hostname(1-64 alphanumer Ily one VoIP Phone per call group. erver. | ric characters). | |
| <u>Relay Output</u> | # | Station Number | IPv4 Address | IPv6 Address | Station Type |
| Paging Settings | 1 | 72015 | 10.64.110.65 | | VoIP Phone 🗸 |
| <u>Email</u> <u>CGI</u> | 2 | | | | |

7. Verification Steps

This section provides the tests that can be performed to verify proper configuration of IP Office and Aiphone IX-SS-2GT Audio Door Station.

1. Verify that IX-SS-2GT has successfully registered with with IP Office. Launch **IP Office System Status** and navigate to **Extensions** → *<SIP Extension>*, where *<SIP Extension>* is the IX-SS-2GT extension. Verify that the **Current State** is *Idle* as shown below



2. Establish inbound and outbound calls to IX-SS-2GT with Avaya SIP and/or Avaya H.323 endpoints and verify two-way audio.

8. Conclusion

These Application Notes describe the administration steps required to integrate Aiphone IX Series 2 Audio Door Stations (IX-SS-2GT) with Avaya IP Office. The Aiphone IX-SS-2GT Audio Door Station successfully registered with IP Office as a SIP endpoint and audio calls were verified. All test cases executed passed with no observations noted.

9. References

This section references the Avaya and Aiphone documentation relevant to these Application Notes.

Avaya product documentation is available at https://support.avaya.com.

[1] Administering Avaya IP Office using Manager, Release 11.1, available at <u>http://support.avaya.com</u> as an HTML document.

Aiphone product documentation is available at https://www.aiphone.com.

[2] *Aiphone IX Door Stations Web Setting Manual*, Software version 6.00 or later, available from Aiphone.

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