



Application Notes for Jabra SPEAK 810 Speakerphone with Avaya one-X® Communicator - Issue 1.0

Abstract

These Application Notes describe the configuration steps required to integrate the Jabra SPEAK 810 Speakerphone with Avaya one-X® Communicator.

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 DevConnect Program at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe the configuration steps required to integrate the Jabra SPEAK 810 Speakerphone with Avaya one-X® Communicator. Jabra SPEAK 810 Speakerphone was used to exercise the call control functions.

2. General Test Approach and Test Results

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's formal testing and Declaration of Conformity is provided only on the headsets/handsets that carry the Avaya brand or logo. Avaya may conduct testing of non-Avaya headset/handset to determine interoperability with Avaya phones. However, Avaya does not conduct the testing of non-Avaya headsets/handsets for: Acoustic Pressure, Safety, Hearing Aid Compliance, EMC regulations, or any other tests to ensure conformity with safety, audio quality, long-term reliability or any regulation requirements. As a result, Avaya makes no representations whether a particular non-Avaya speakerphone will work with Avaya's telephones or with a different generation of the same Avaya telephone.

Since there is no industry standard for handset interfaces, different manufacturers utilize different handset/headset interfaces with their telephones. Therefore, any claim made by a headset vendor that its product is compatible with Avaya telephones does not equate to a guarantee that the speakerphone will provide adequate safety protection or audio quality.

The interoperability compliance test included feature and serviceability testing. The feature testing focused on placing calls to Communication Manager Extensions, answering and ending calls using the call control button on the speakerphone, and verifying two-way audio. The call types included calls between local extensions, and from the PSTN.

The serviceability testing focused on verifying the usability of the Jabra speakerphone solution after restarting Avaya one-X® Communicator and reconnecting the Jabra speakerphone to the PC.

2.1. Interoperability Compliance Testing

All test cases were performed manually. The following features were verified:

- Placing calls to internal extensions to verify two-way audio.
- Placing calls from the PSTN and to Voicemail to verify two-way audio.
- Answering and ending calls using the call control button on the speakerphone.
- Using the Voice Control button on the Jabra speakerphone to mute and un-mute the audio.
- Verifying incoming call notification on Jabra speakerphone.
- Verifying call ended notification on Jabra speakerphone.

For the serviceability testing, the Jabra speakerphone was reconnected to the Avaya One-X® Communicator and the PC was restarted to verify proper operation of the speakerphone after the reboot was completed.

2.2. Test Results

All test cases passed.

2.3. Assumptions

These Application Notes do not provide any configuration details for the following list of assumptions:

- Avaya Aura® Communication Manager has been installed and is operational.
- Avaya one-X® Communicator has been installed and is operational.

2.4. Support

For support on this Jabra speakerphone solution, contact Jabra Technical Support at:

- Phone: (800) 697-8757
- Website: <http://www.jabra.com/NA-US/Support/pages/Default.aspx>
- Email: JabraSupport.US@jabra.com

3. Reference Configuration

Figure 1 illustrates the test configuration used to verify the Jabra SPEAK 810 Speakerphone solutions. The configuration consists of Avaya Aura® Communication Manager with Avaya G430 Media Gateway providing connectivity to the PSTN via an ISDN-PRI trunk. The Jabra speakerphones were connected to the Avaya one-X® Communicator PC via a USB port.

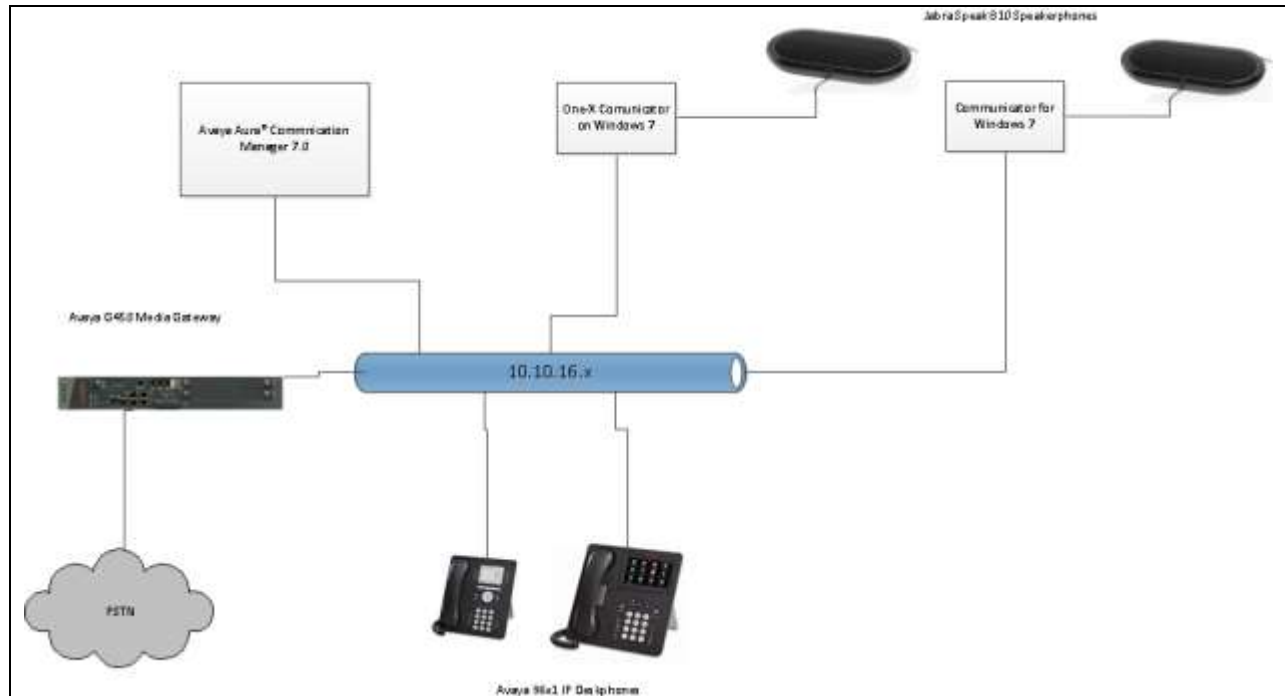


Figure 1: one-X® Communicator with Jabra Speak 810 Speakerphones

4. Equipment and Software Validated

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

Equipment/Software	Release/Version
Avaya Aura® Communication Manager	R17x.00.0.441.0 Build 7.0.0.3.0.441.22856
Avaya G430 Media Gateway	37.21.0
Avaya one-X® Communicator	6.2.11.03-SP11
Jabra SPEAK 810 Speakerphone	FW 1.2.2

5. Configure Avaya Aura® Communication Manager

This section will add stations for use by the Avaya one-X® Communicator. These are H.323 stations that must be configured with the following.

- A maximum of 3 Call Appearance lines per agent station.
- Restrict Last Appearance must be enabled on all agent stations.
- IP Softphone enabled.

Issue **add station <n>** command, where **n** is an available extension number. Enter the following values for the specified fields, and retain the default values for the remaining fields.

- **Type:** Enter station type **9630**
- **Name:** A descriptive name
- **Security Code:** Enter a valid code ex: 1234
- **IP SoftPhone:** y

add station 8270006		Page 1 of 5
STATION		
Extension: 8270006	Lock Messages? n	BCC: 0
Type: 9630	Security Code: 1234	TN: 1
Port: IP	Coverage Path 1:	COR: 1
Name: Jabra Station	Coverage Path 2:	COS: 1
	Hunt-to Station:	
STATION OPTIONS		
Loss Group: 19	Time of Day Lock Table:	
	Personalized Ringing Pattern: 1	
	Message Lamp Ext: 5102	
Speakerphone: 2-way	Mute Button Enabled? y	
Display Language: english	Button Modules: 0	
Survivable GK Node Name:		
Survivable COR: internal	Media Complex Ext:	
Survivable Trunk Dest? y	IP SoftPhone? y	
	IP Video Softphone? y	
	Short/Prefixed Registration Allowed: default	
	Customizable Labels? y	

Navigate to **Page 2** and enter the following values for the specified fields, and retain the default values for the remaining fields.

- **Restrict Last Appearance: y**

On **Page 4** of the Station form assign three “**call-appr**” in **Button Assignments** section.

add station 8270006		Page 4 of 5
STATION		
SITE DATA		
Room:		Headset? n
Jack:		Speaker? n
Cable:		Mounting: d
Floor:		Cord Length: 0
Building:		Set Color:
ABBREVIATED DIALING		
Li st1:	List2:	List3:
BUTTON ASSIGNMENTS		
1: call-appr	5:	
2: call-appr	6:	
3: call-appr	7:	
4:	8:	

6. Configure Avaya one-X® Communicator

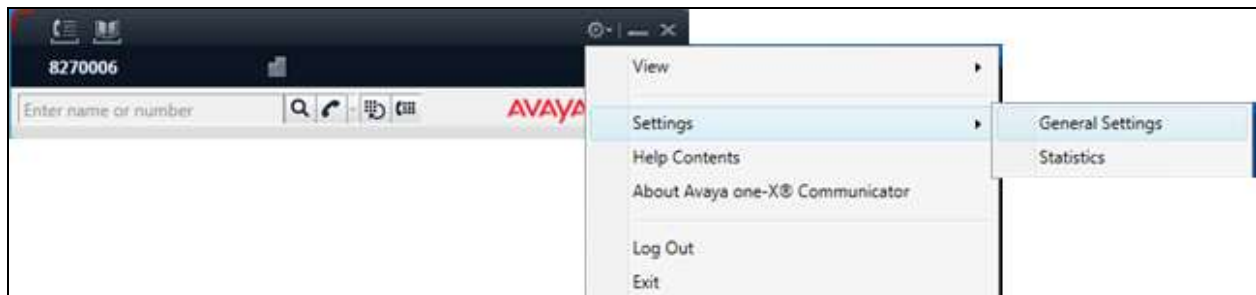
This section describes how to assign the Jabra SPEAK 810 for use with Avaya one-X Communicator.

- Log into Avaya one-X® Communicator.
- Select Jabra SPEAK 810 from settings

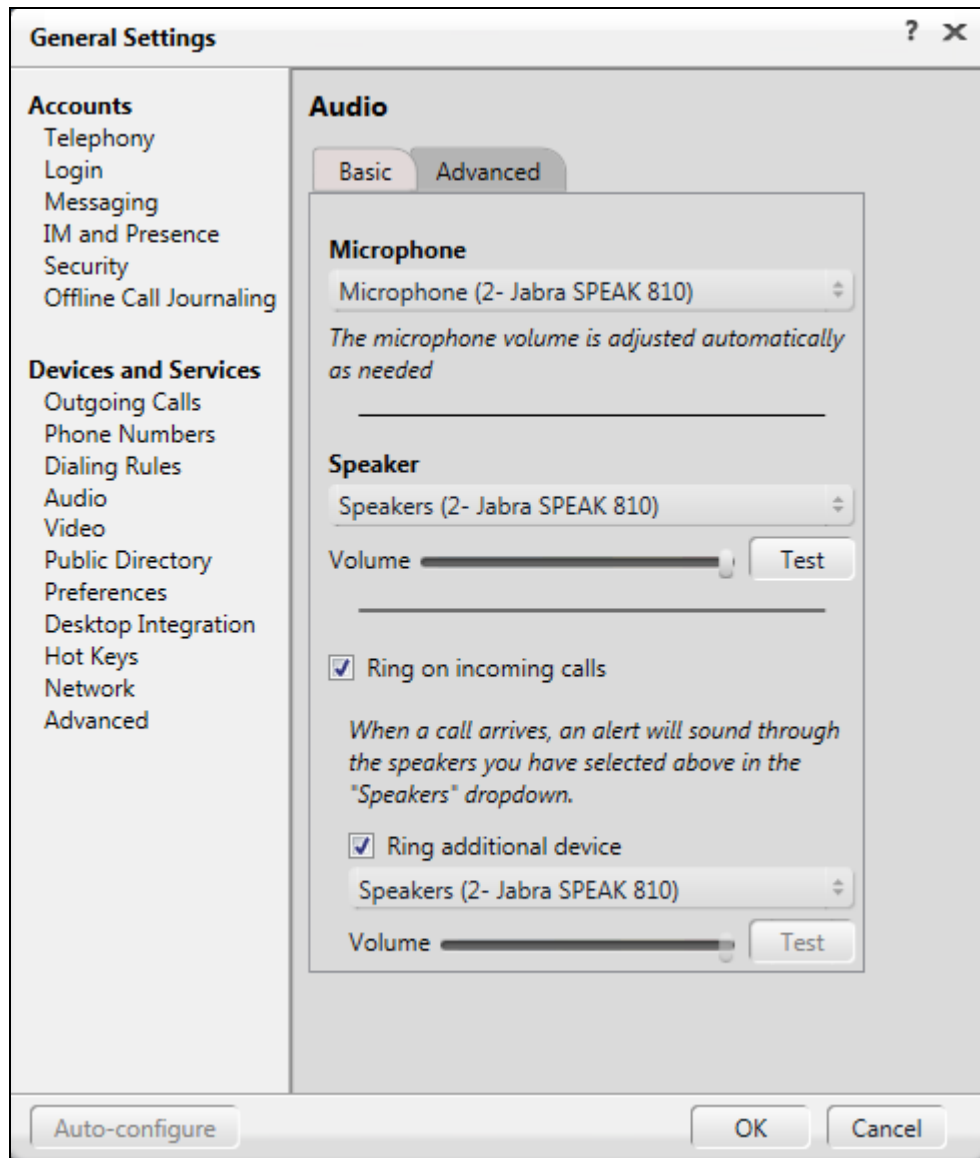
Log into Avaya one-X® Communicator using the Station configured in **Section 5**. Set **Place and Receive calls using** to **This Computer**.



Click on the top right menu and select **Settings → General Settings**.



Select **Audio** from the left hand menu and then select **Jabra SPEAK 810** for **Microphone**, **Speaker** and **Ring additional device**.



7. Configure Jabra USB Speakerphones

This section covers the steps to integrate Jabra SPEAK 810 speakerphones with Avaya one-X® Communicator.

- Connecting the SPEAK 810 Speakerphones

7.1. Connect the Jabra USB Speakerphone

Connect the Jabra SPEAK 810 Speakerphone to a USB port on the Avaya one-X® Communicator PC.

8. Verification Steps

This section verifies that the Jabra solution has been successfully integrated with Avaya one-X® Communicator.

1. Verify that the Jabra speakerphone has been successfully installed and is ready for use with Avaya one-X® Communicator.
2. Once the Jabra speakerphone is selected in Avaya one-X® Communicator, verify that incoming and outgoing calls can be established with two-way audio to the speakerphone.

9. Conclusion

These Application Notes describe the configuration steps required to integrate Jabra SPEAK 810 Speakerphone with Avaya one-X® Communicator. All test cases were completed successfully with observations noted in **Section 2.2**.

10. Additional References

This section references the Avaya and Jabra documentation that are relevant to these Application Notes.

The following Avaya product documentation can be found at <http://support.avaya.com>.

- [1] *Administering Avaya Aura® Communication Manager*, Release 7.0, Issue 1, August 2015, Document Number 03-300509.
- [2] *Communication Manager Overview and Specification*, Release 7.0, Issue 1.0, August 2015, Document Number 03-604233.
- [3] *Administering Avaya one-X® Communicator*, 10 November 2015
- [4] The installation documentation for Jabra Direct can be found at <http://www.jabra.com/support/>

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