

RSV80 Standalone Video Collaboration Bar

Version 1.9



Microsoft Partner

Gold Communications



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Abbreviations and Conventions

Each abbreviation, unless widely used, is spelled out in full when first used.

Related Documentation

Document Name
C448HD IP Phone for Microsoft Teams Quick Guide
C450HD IP Phone for Microsoft Teams Quick Guide
C470HD IP Phone for Microsoft Teams Quick Guide
C448HD C450HD C470HD IP Phone for Microsoft Teams User's and Administrator's Manual
https://docs.microsoft.com/en-us/MicrosoftTeams/phones-for-teams

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1 Introduction

The AudioCodes RXV80 standalone video collaboration bar delivers an intuitive meeting room experience in video-enabled meeting rooms, and is especially designed for huddle rooms. Integrated processing capabilities deliver unified communication in a standalone device, enabling remote participants to see and hear everyone in the room with outstanding video image clarity and enhanced voice quality.

Developed in partnership with Dolby®, the RXV80 overcomes challenging lighting conditions and variations in room dimensions to capture every detail as if you were actually there. Intelligent Acoustics™ enable full room pickup, ensuring incredible voice quality that enhances quiet and distant voices while isolating every speaker regardless of external disturbances from beyond the room's confines. The resulting meeting experience empowers every participant to collaborate - unhindered by meeting room shape, size, or wall texture.

1.1 Highlights

RXV80 feature highlights:

- **Wide-angle 4K Camera & HDR Video Mapping**
Covers a 110° viewing angle capturing every seat in the room even in tight spaces with challenging lighting conditions
- **Seamless Integration with Leading UC Platforms**
Enables quick and easy deployment, installation, and moderation with click-to-join functionality for both video-enabled collaboration and voice-only conference calls.
- **Intuitive & Cost-effective Meeting Experience**
Leverages touch controller and existing TV speakers without relying on personal devices such as laptops or phones.
- **Operational Efficiency**
Enhances meeting experience with centralized management, monitoring, and continuous productivity.
- **Dynamic Levelling & Intelligent Acoustics™**
Boosts quiet or distant voices while distinguishing speech from noise.

1.2 About AudioCodes' RX Suite

The RX Suite offering initially consisted of a portfolio of meeting room solutions to enhance meeting productivity through high-quality audio conferencing plus the Meeting Insights app to handle meeting recording, post-meeting analytics, and action item follow up.

Collaboration Bars for Microsoft Teams provides customers a simple and easy-to-use Teams meeting experience in more spaces across their organizations. The RX Suite has a line of conferencing devices that address a wide range of meeting room environments from huddle rooms to boardrooms.

The RXV80 Collaboration Bar for Microsoft Teams, part of the RX Suite, dramatically enhances the experience of Teams users seeking next-level experiences.

Jointly developed with Dolby Communications Business Group, the video conferencing solution integrates Dolby audio and video quality with AudioCodes' expertise in integrating with Microsoft Teams.

The RXV80 ensures that users experience exceptional audio and video quality whether they're in the meeting room or anywhere else.

1.3 Specifications

The following table shows the RXV80 specifications.

Table 1-1: Specifications

Feature	Details
Video capabilities	<ul style="list-style-type: none"> ▪ Ultra HD 4k Image Sensor ▪ 1/1.8" CMOS ▪ Super-wide Angle Horizontal Field of View: 110° ▪ Lens: Fixed focus, f/1.8 aperture ▪ HDR video mapping ▪ EPTZ capable ▪ H.264 Baseline and High Profile ▪ Output Resolution: 1080p ▪ Frame Rate: 30 fps
Audio	<ul style="list-style-type: none"> ▪ Full duplex, noise suppression, acoustic echo cancellation, voice separation ▪ Audio output through HDMI (developed in partnership with Dolby) ▪ 4X beamforming microphone array ▪ Voice pickup range: 4.5m (15ft) ▪ Audio frequency: G.711a/G.711u/G.722/G.729ab/Opus ▪ Audio range: Super wideband, 160Hz – 16kHz
Device Interfaces	<ul style="list-style-type: none"> ▪ Single HDMI output to TV ▪ HDMI input (roadmap) ▪ USB 3.0 host ports (x2) ▪ Wi-Fi (dual band support) ▪ Bluetooth (BLE support) ▪ Network: 10/100/1000 Mb (RJ-45) network interface ▪ Kensington lock ▪ Supports tripod mounting
Network Provisioning	<ul style="list-style-type: none"> ▪ TCP/IP (IPv4), DHCP/ static IP; Time and date synchronization via SNTP; VLAN support; QoS support: IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS and DSCP RTCP support: (RFC 1889) ▪ IP address configuration: TCP/IP (IPv4), DHCP/static IP ▪ Time and date synchronization: SNTP ▪ QoS support: IEEE 802.1p/Q tagging (VLAN), Layer 3 TOS and DSCP RTCP support: (RFC 1889)
OS	<ul style="list-style-type: none"> ▪ Android 9.0
UC Platform Support	<ul style="list-style-type: none"> ▪ Microsoft Teams ▪ Intuitive meeting experience with calendar integration and click-to-join (one-touch or proximity join experience)
Security	<ul style="list-style-type: none"> ▪ Encryption: TLS (Transport Layer Security), SRTP encryption for media, AES256 ▪ Network Access Control: IEEE 802.1x ▪ Built-in certificate

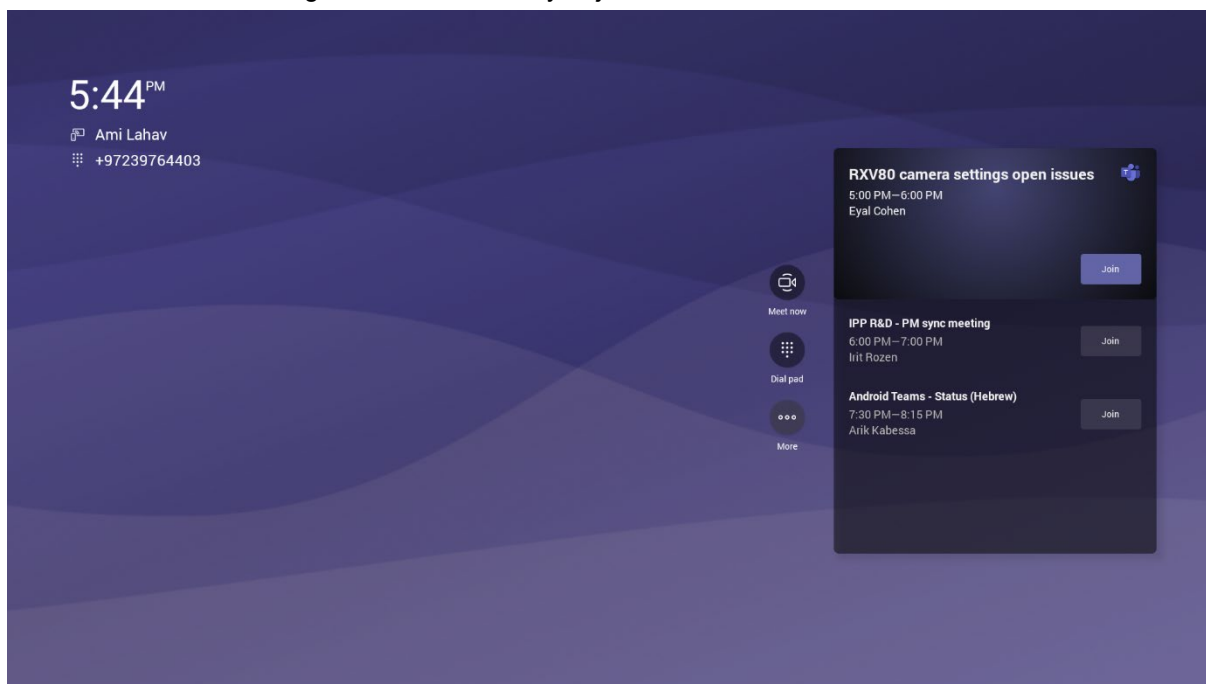
2 Version 1.9.161

2.1 What's New in Version 1.9.161

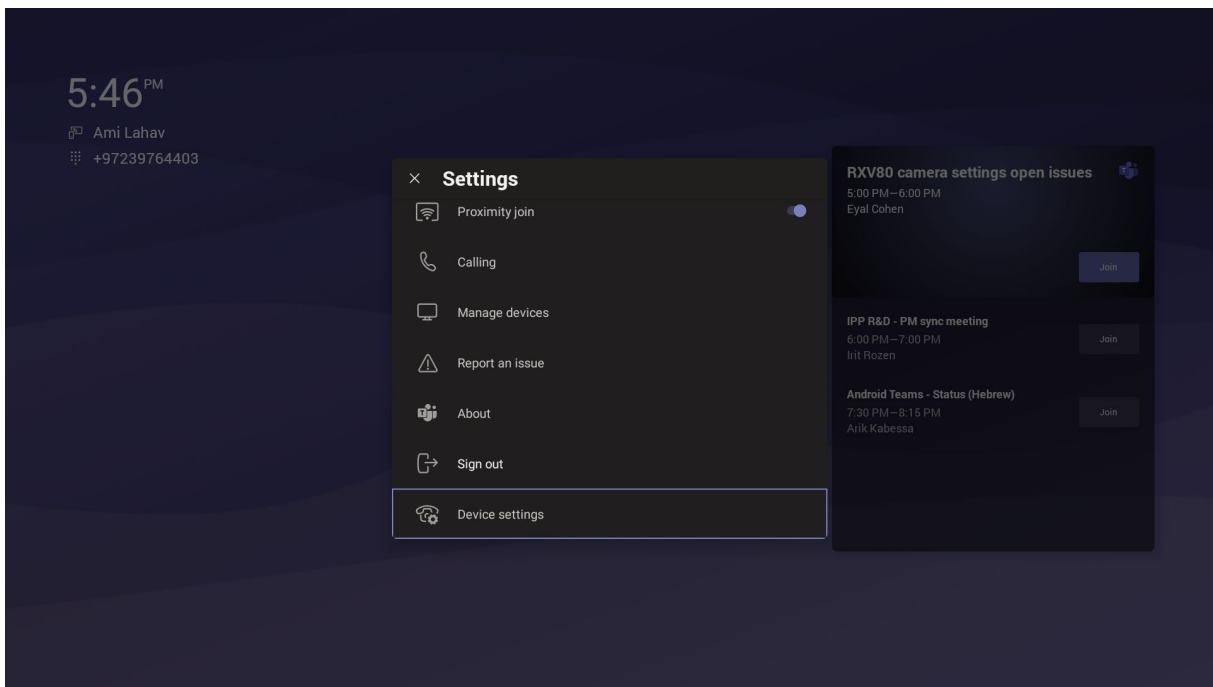
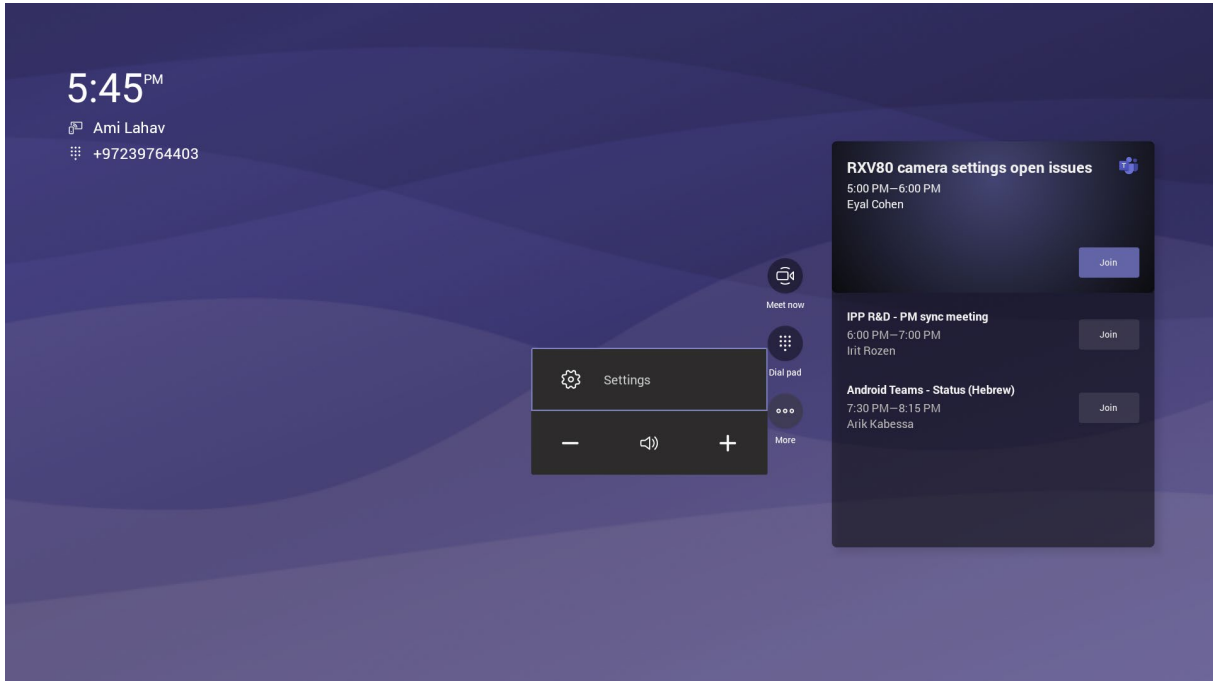


Note: Version 1.9.161 includes Microsoft Teams Version **2021020902**.

- **A new Microsoft Teams application** introducing:
 - A new 'home' (idle) screen which provides users a view of all the day's meetings and gives users the ability to join each.



- **New look for the Microsoft Teams app 'Settings' screen:**



2.1.1 Resolved Limitations in Version 1.9.161

2.1.1.1 Device

Here are the resolved device limitations in Version 1.9.161

Table 2-1: Resolved Device Limitations in Version 1.9.161

Incident	Description
IPPAN-2568	The remote-control connection is occasionally disconnected and pairing is not as smooth as it should be.

2.1.2 Known Limitations in Version 1.9.161

2.1.2.1 Teams Application

Here are the known Teams application limitations in Version 1.9.161.

Table 2-2: Known Teams Application Limitations in Version 1.9.161

Incident	Description
IPPAN-2372	On rare occasions, the phone enters a loop or switches between a white screen and the idle (home) screen, and is unreachable via its IP address. A 'Poor internet connection' message is also displayed. Rebooting solves the issue.
-	When using right to left languages (Hebrew, for example) the soft dial pad and the presented dial string are reverted.
IPPAN-2520	On some occasions, the phone displays a 'Connecting...' message after boot up even though there is no real network issue.
IPPAN-2270	On some occasions, the phone displays a 'Poor internet connection...' message after booting up even though there is no real network issue.
IPPAN-2510	An incorrect date format is displayed when the current language is Simple Chinese.

2.1.2.2 Device

Here are the known device limitations in Version 1.9.161.

Table 2-3: Known Device Limitations in Version 1.9.161

Incident	Description
-	[Device Manager] Administrators are recommended not to provision devices from both the Device Manager and the Microsoft Admin Portal. Monitoring from both Device Manager and the Microsoft Admin Portal at the same time is not an issue.
IPPAN-1821	[Device Manager] The 'Upgrade Firmware' action via the Device Manager causes an unnecessary reboot when pulling the cfg file with the new URL.

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3 Previous Releases

3.1 Version 1.9.155



Note:

- Version 1.9.155 is the first version of the RXV80 Standalone Video Collaboration Bar to be released.
- Version 1.9.155 includes Microsoft Teams Version **2020102101**.

3.1.1 Known Limitations in Version 1.9

3.1.1.1 Teams Application

Here are the known Teams application limitations in Version 1.9.

Table 3-1: Known Teams Application Limitations in Version 1.9

Incident	Description
IPPAN-2372	On rare occasions, the phone enters a loop or switches between a white screen and the idle (home) screen, and is unreachable via its IP address. A 'Poor internet connection' message is also displayed. Rebooting solves the issue.
-	When using right to left languages (Hebrew, for example) the soft dial pad and the presented dial string are reverted.
IPPAN-2520	On some occasions, the phone displays a 'Connecting...' message after boot up even though there is no real network issue.
IPPAN-2270	On some occasions, the phone displays a 'Poor internet connection...' message after booting up even though there is no real network issue.
IPPAN-2510	An incorrect date format is displayed when the current language is Simple Chinese.

3.1.1.2 Device

Here are the known device limitations in Version 1.9.

Table 3-2: Known Device Limitations in Version 1.9

Incident	Description
-	[Device Manager] Administrators are recommended not to provision devices from both the Device Manager and the Microsoft Admin Portal. Monitoring from both Device Manager and the Microsoft Admin Portal at the same time is not an issue.
IPPAN-1821	[Device Manager] The 'Upgrade Firmware' action via the Device Manager causes an unnecessary reboot when pulling the cfg file with the new URL.

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