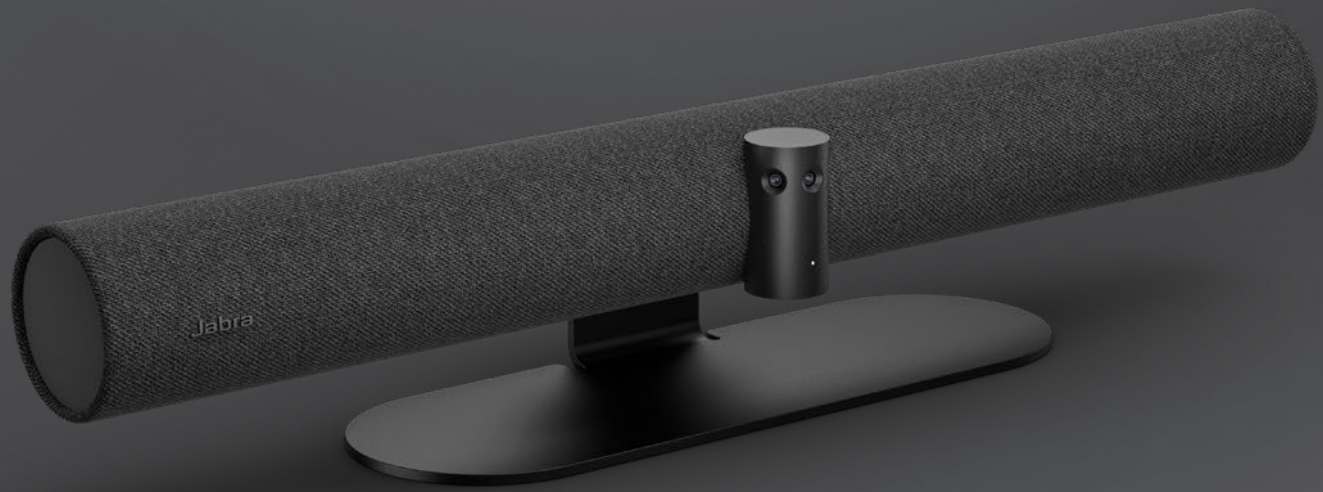
Jabra PanaCast 50

User manual



GN Making Life Sound Better

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Made in Malaysia
MODEL: VSM020

Declaration of Conformity can be found on www.jabra.com/doc

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1. Welcome

Thank you for using the Jabra PanaCast 50. We hope you will enjoy it!

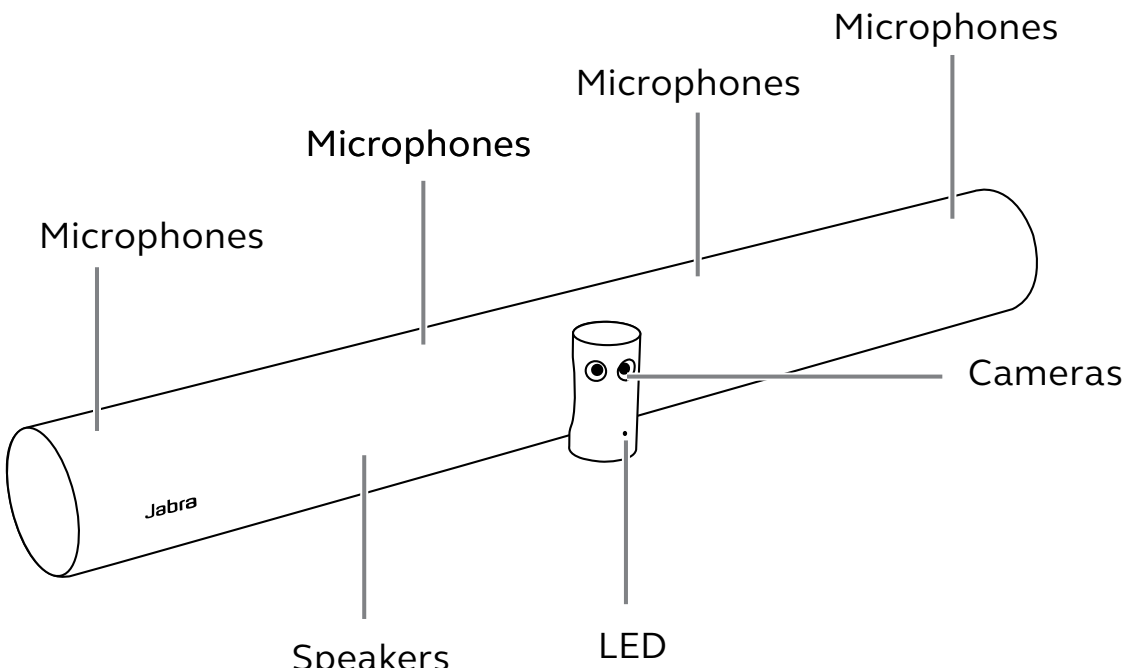
Jabra PanaCast 50 features

- **Inclusive meetings.** Panoramic-4K video using three 13-megapixel cameras and patented real-time video stitching to give 180° coverage, for a more natural view of the huddle room.
- **Intelligent video technology.** Intelligent Zoom automatically includes everyone in the conversation, while Vivid HDR ensures the best video experience, even under widely varying lighting conditions.
- **Instant collaboration.** Plug-and-play technology lets you collaborate with others quickly and easily, bringing hassle-free video and audio to your huddle room.
- **Versatile compatibility.** Compatible with all leading video and audio-conferencing solutions. Certified for use with Microsoft Teams Rooms, Zoom and Zoom Rooms.

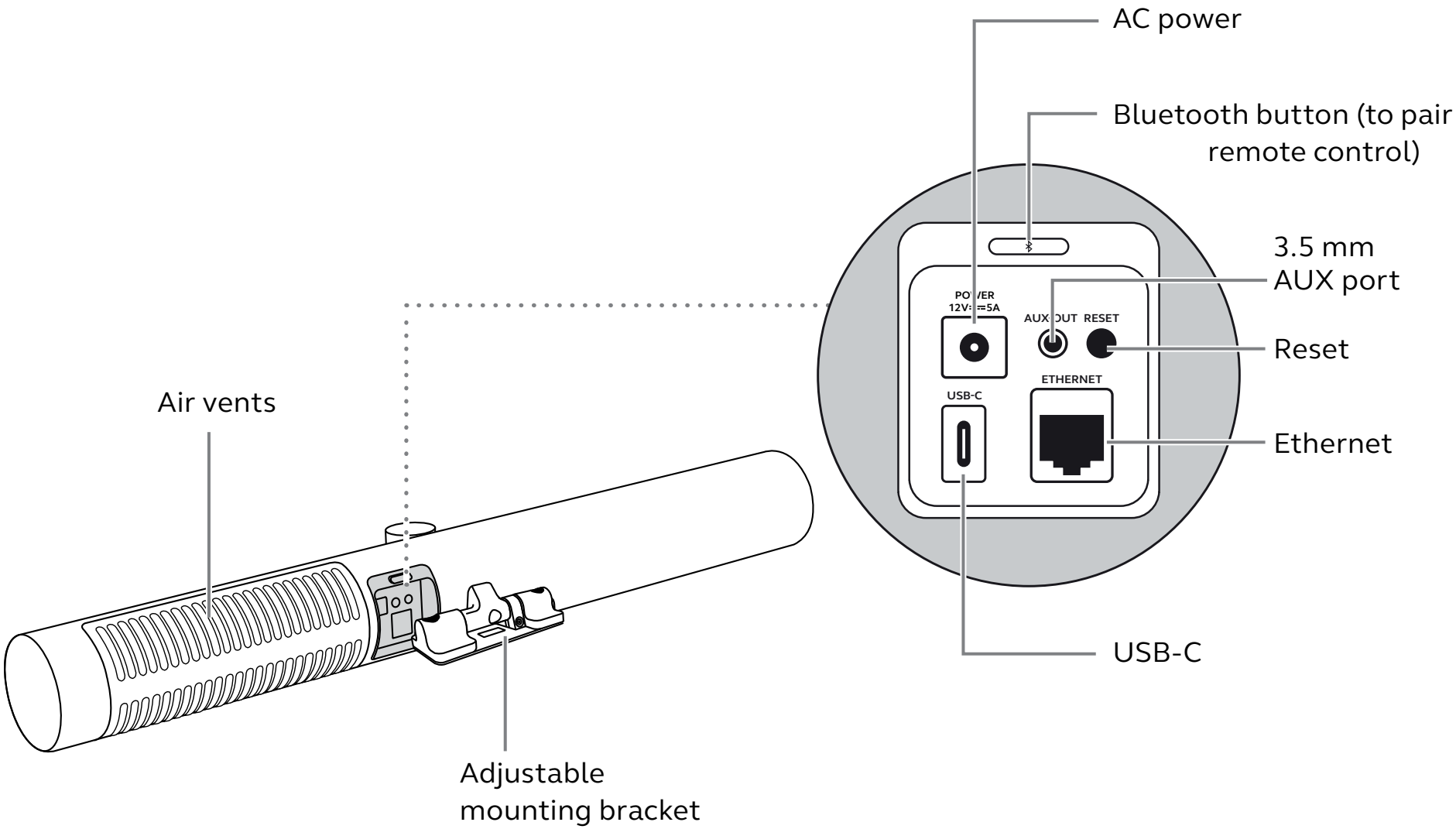
2. Overview

2.1 Jabra PanaCast 50 overview

FRONT SIDE

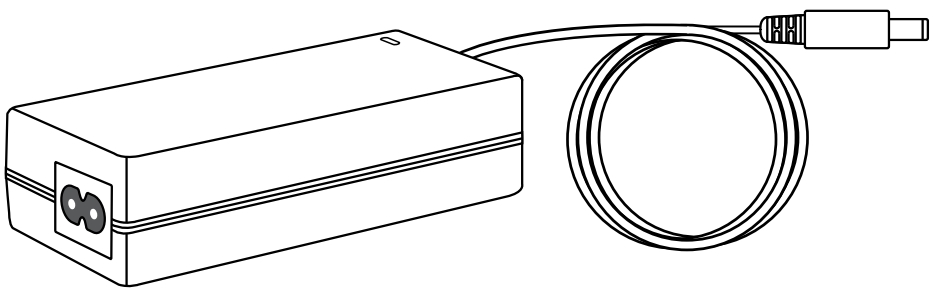


BACK SIDE

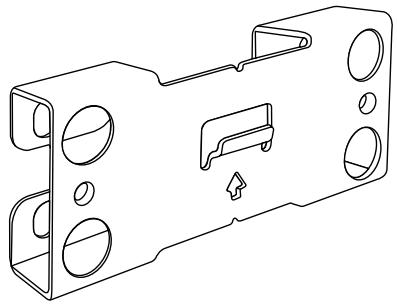

AC power
Bluetooth button (to pair remote control)
3.5 mm AUX port
Reset
Ethernet
USB-C
Air vents
Adjustable mounting bracket
AUX OUT
RESET
ETHERNET
USB-C

2.2 Included accessories

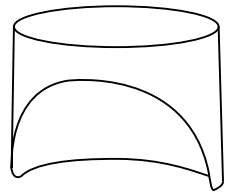
Additional accessories can be purchased at jabra.com/accessories.



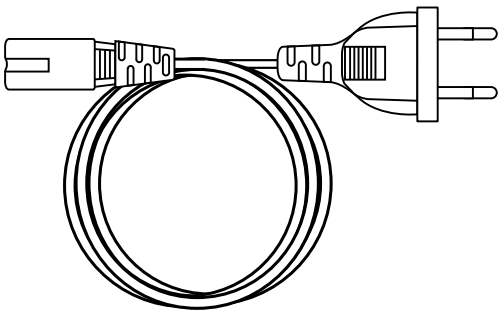
AC power adapter *(2m/6ft)*



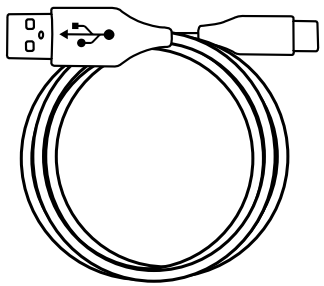
Wall Mount



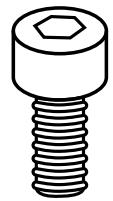
Privacy cover



AC power cable
(1m/3ft)



USB-C cable
(2m/6ft)



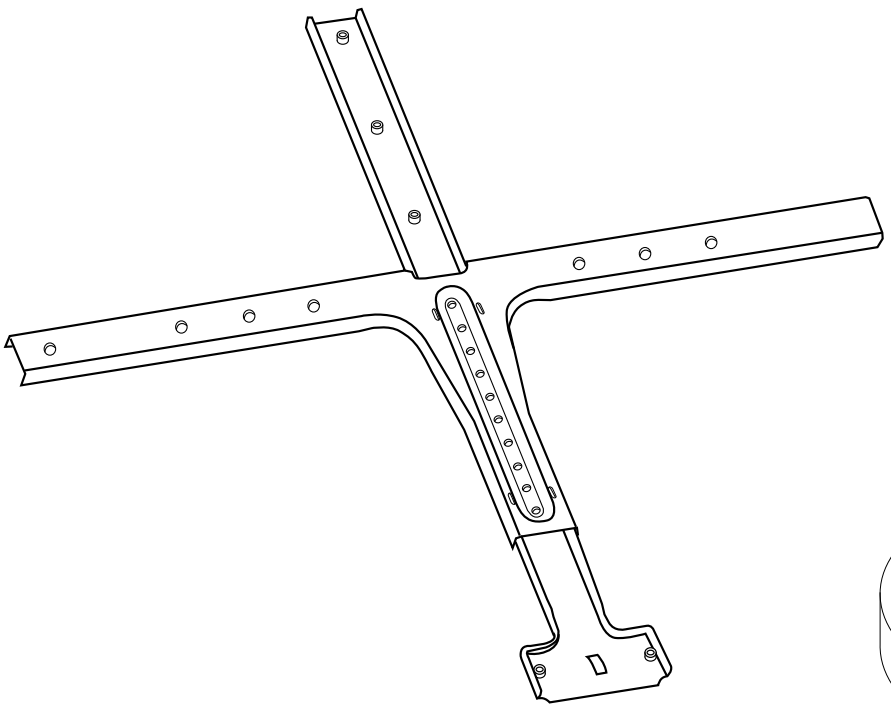
2 screws
(M5x12)

Hardware not included:

- *Drywall screws and anchors*
- *Masonry screws*

2.3 Optional accessories

Accessories can be purchased at jabra.com/accessories.



Screen Mount

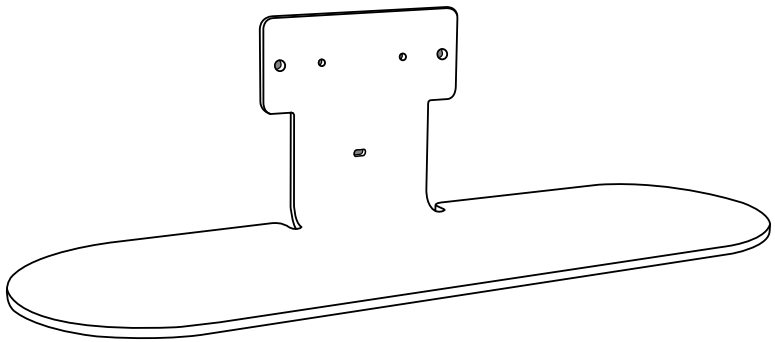
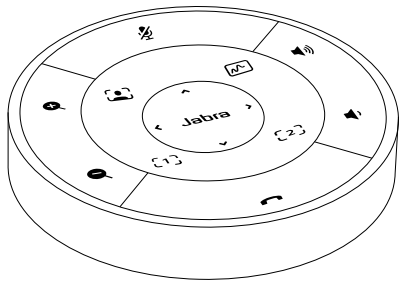
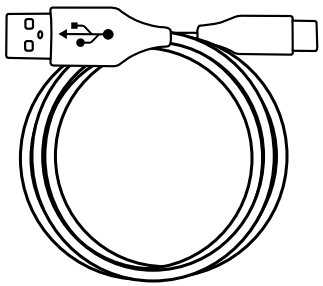


Table Stand

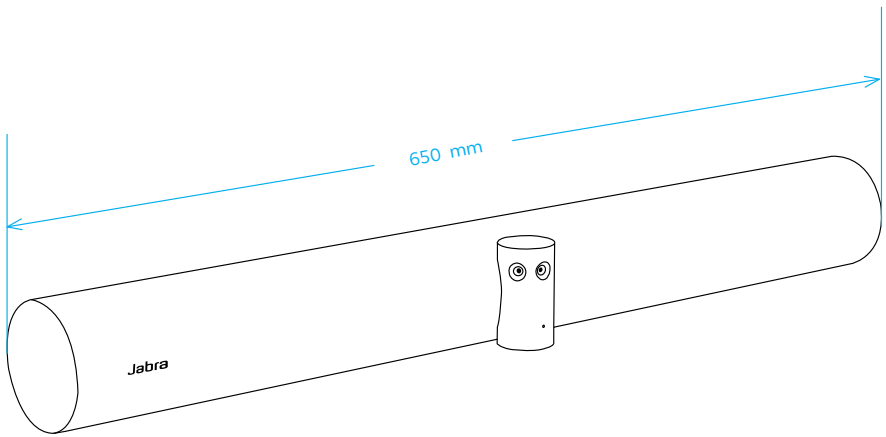


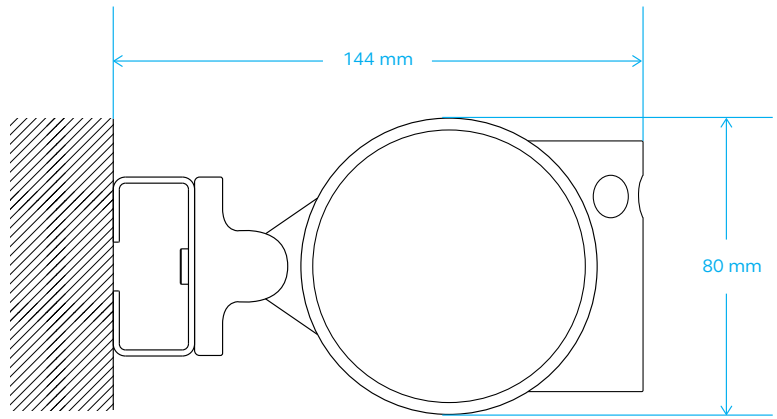
Remote control

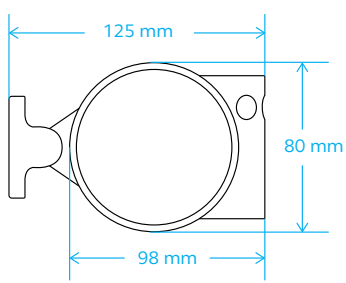


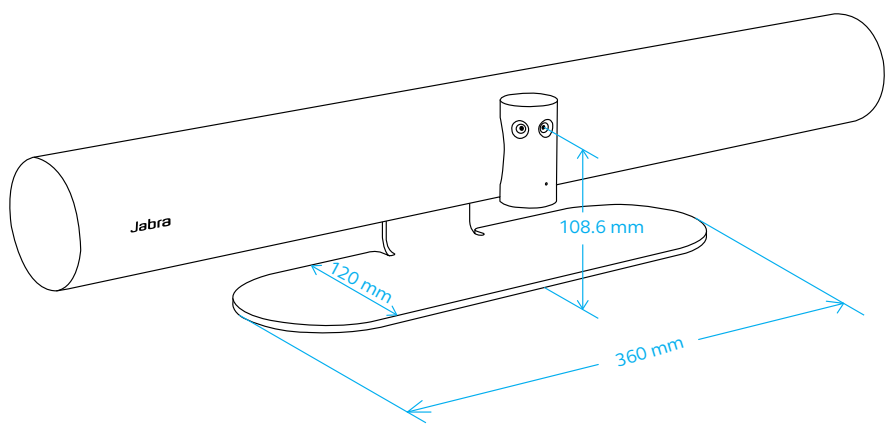
USB-C cable
(5m/15ft)

2.4 Dimensions

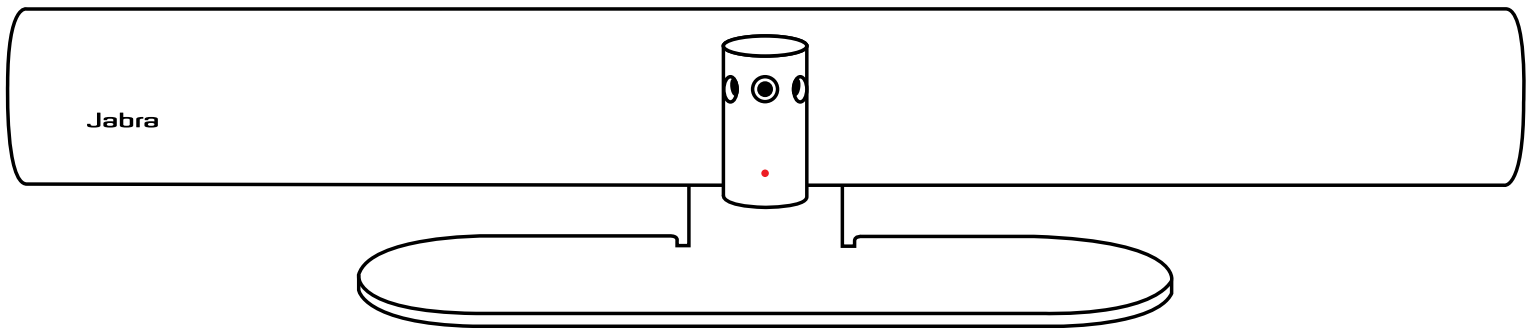


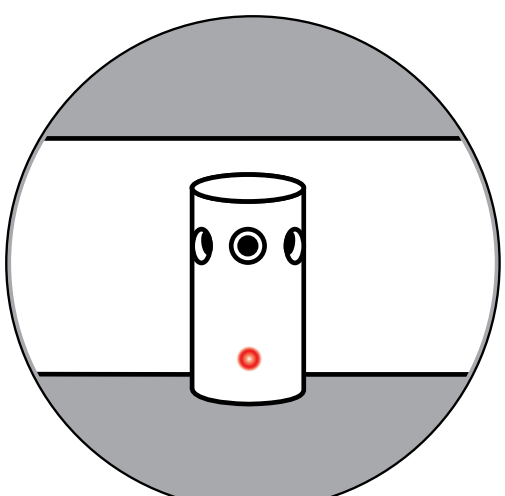






3. Visual indicators





LED STATUS

Off or not streaming		(LED off)
Starting up	○	(pulsing white)
Connected	○	(on for 3 seconds)
In call or streaming video/media	○	
In call, audio muted	●	
Room capacity notification	●	(pulsing red)
Pairing remote control	◐	(flashing green and blue)
Firmware updating	●	(flashing pink)

4. Room setup guide

The Jabra PanaCast 50 is designed for meeting rooms up to 4.5 meters x 6 meters (15 feet x 20 feet) and can be mounted using the supplied Wall Mount or the optional Screen Mount or Table Stand. If a whiteboard will be used in the meeting room, ideally it should be positioned on the adjacent wall for optimal viewing.

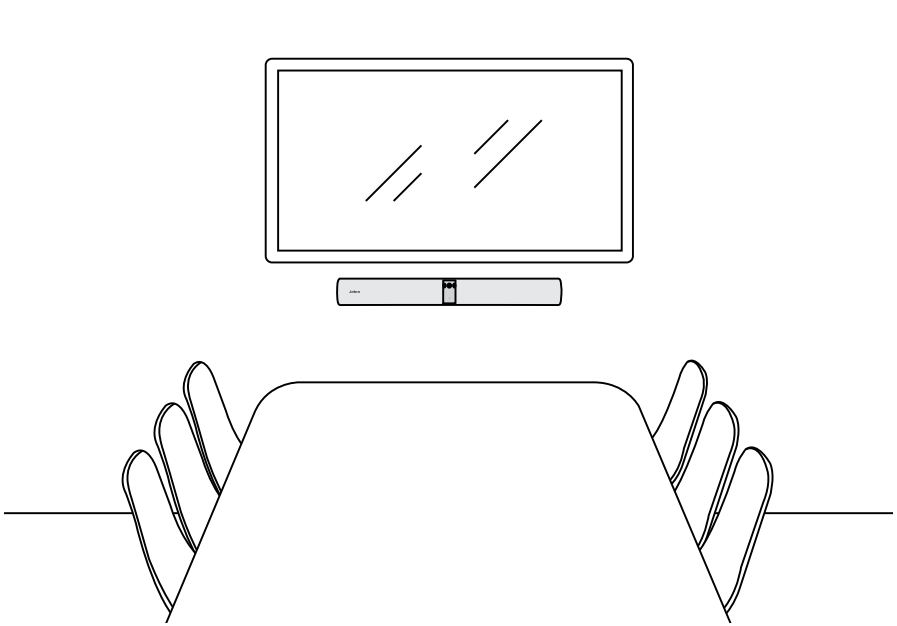
View the Room setup guide PDF here.

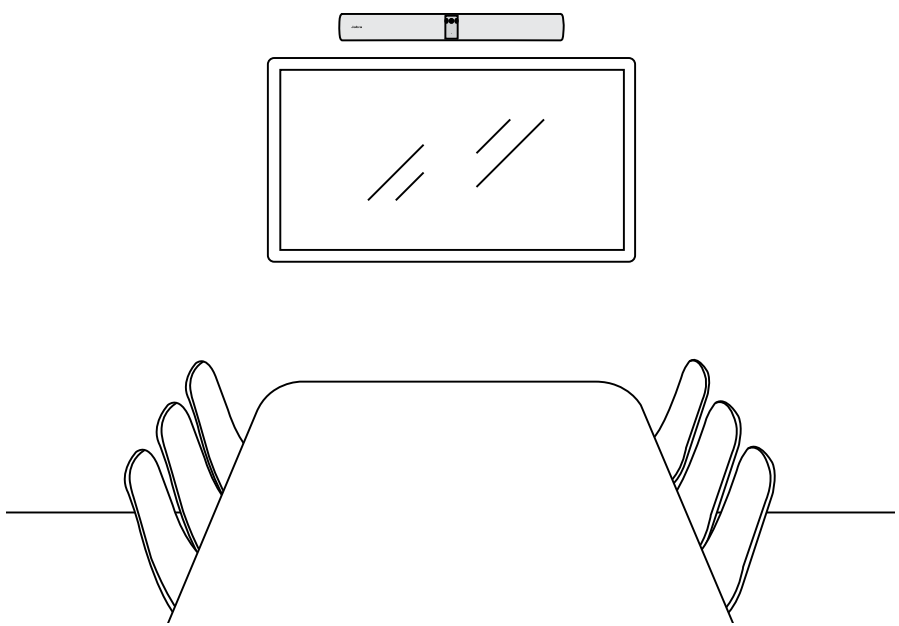
Below are some typical room setup scenarios.

5. Mounting options

5.1 Wall Mount installation

View the Wall Mount assembly video or PDF here:
jabra.com/help/panacast50/getstarted

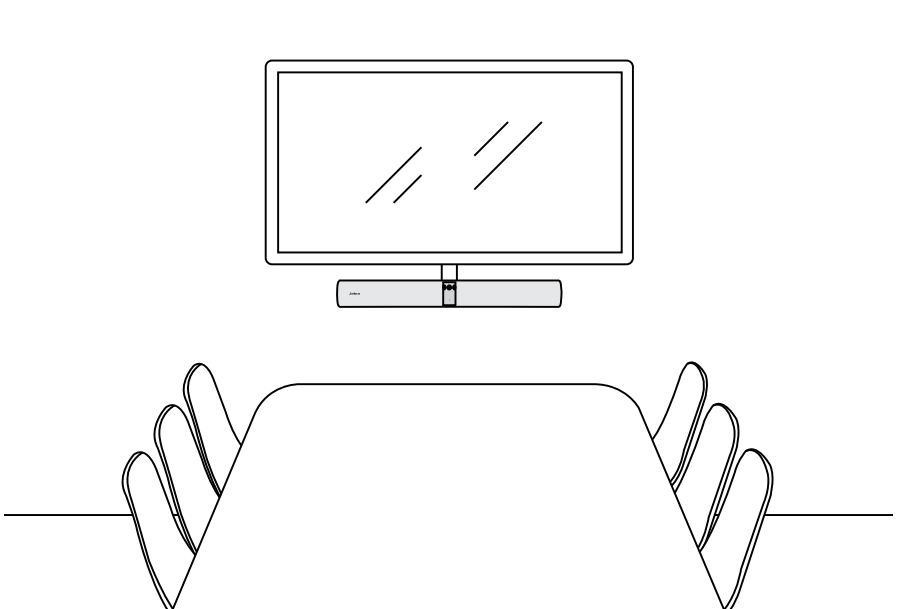


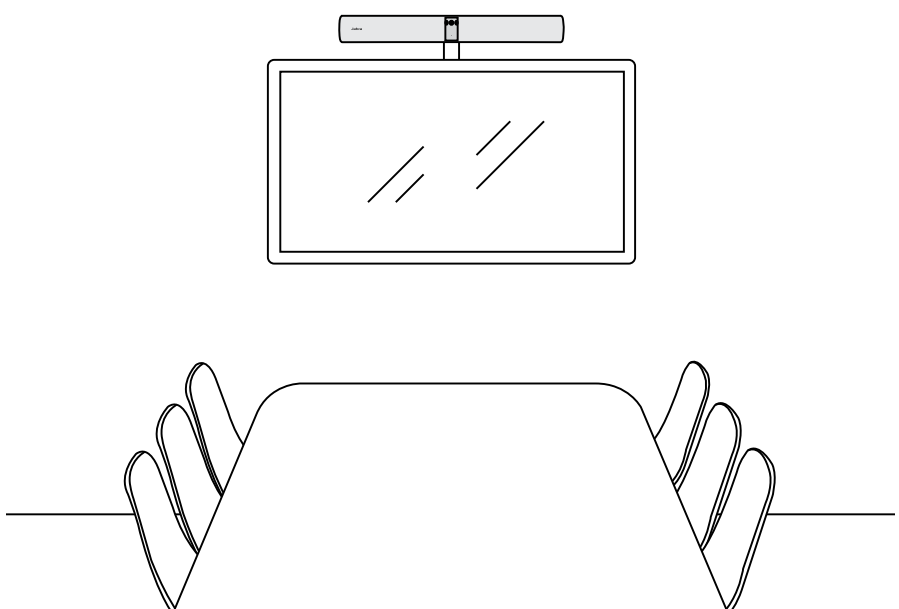


5.2 Screen Mount installation

The Screen Mount is designed for screens up to 220 centimeters (86 inches) and VESA mounts up to 600 millimeters.

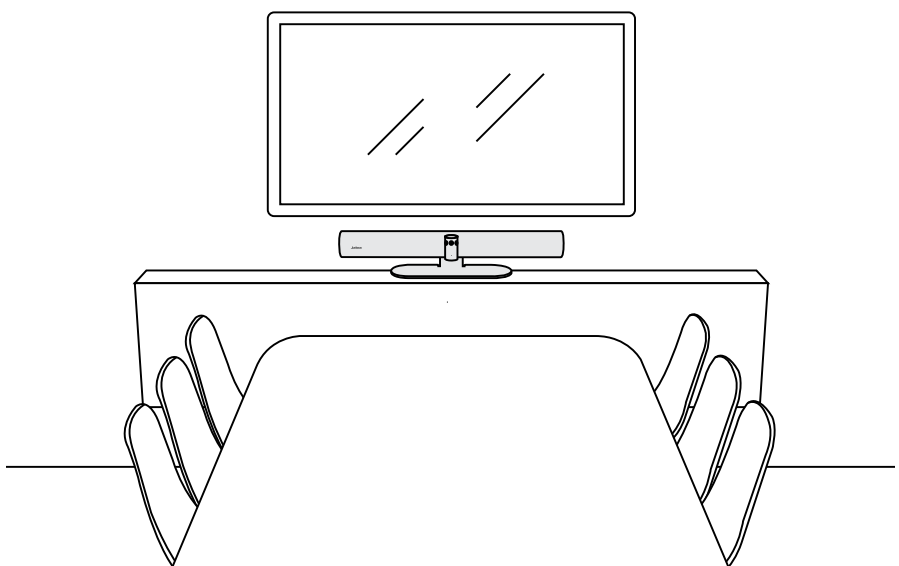
View the Screen Mount assembly video or PDF here:
jabra.com/help/panacast50/getstarted





5.3 Table Stand installation

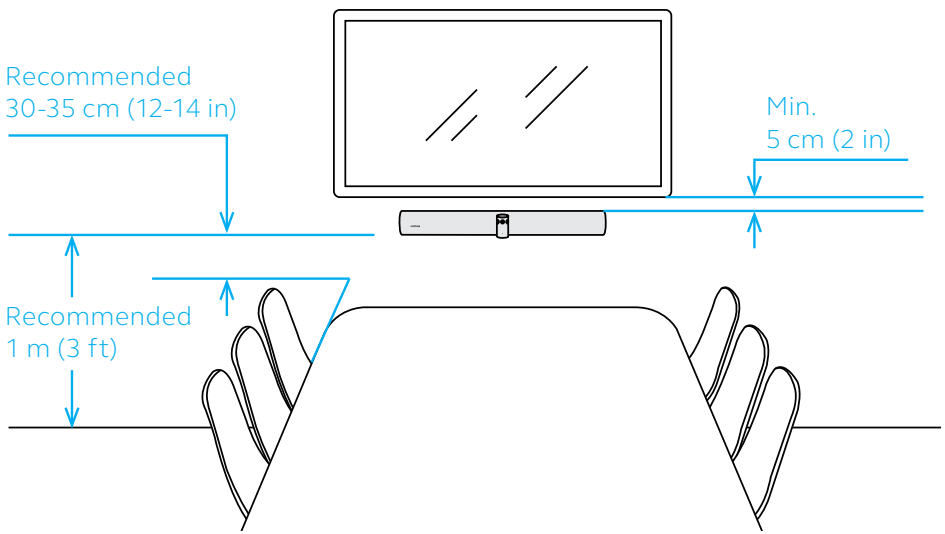
View the Table Stand assembly video or PDF here:
jabra.com/help/panacast50/getstarted



5.4 Installation height

It is recommended to install the Jabra PanaCast 50 at eye-level of the meeting room participants.

When installing the PanaCast 50 with the Wall Mount or Screen Mount, the camera should be positioned 5 centimeters (2 inches) below the screen and ideally 30-35 centimeters (12-14 inches) above the table top or 100 centimeters (3 feet) from the floor. If this height is not possible, it is recommended to install the Jabra PanaCast 50 above the screen.

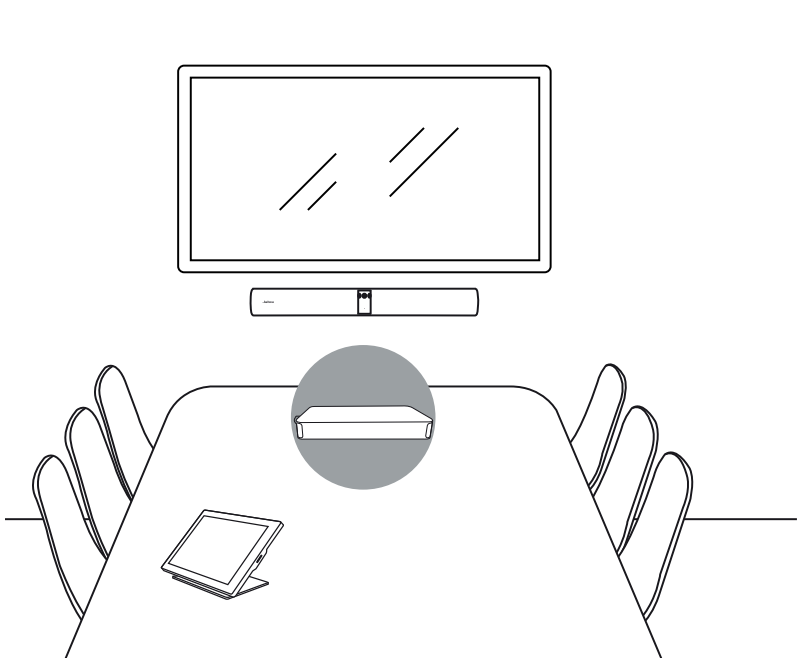


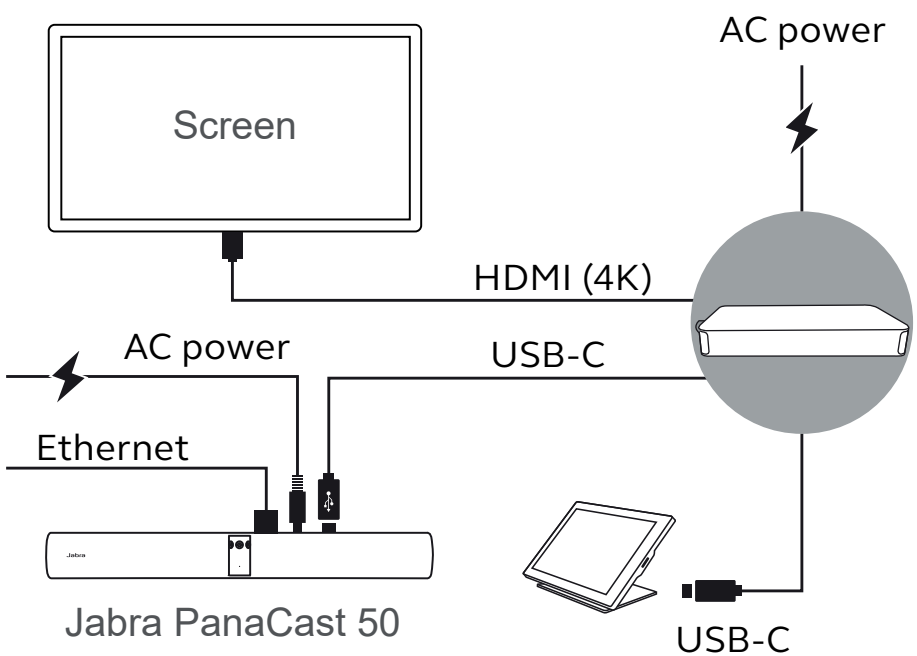
Do not mount the camera facing direct sunlight as this may affect the preset white balance and compromise the image.

6. Cabling

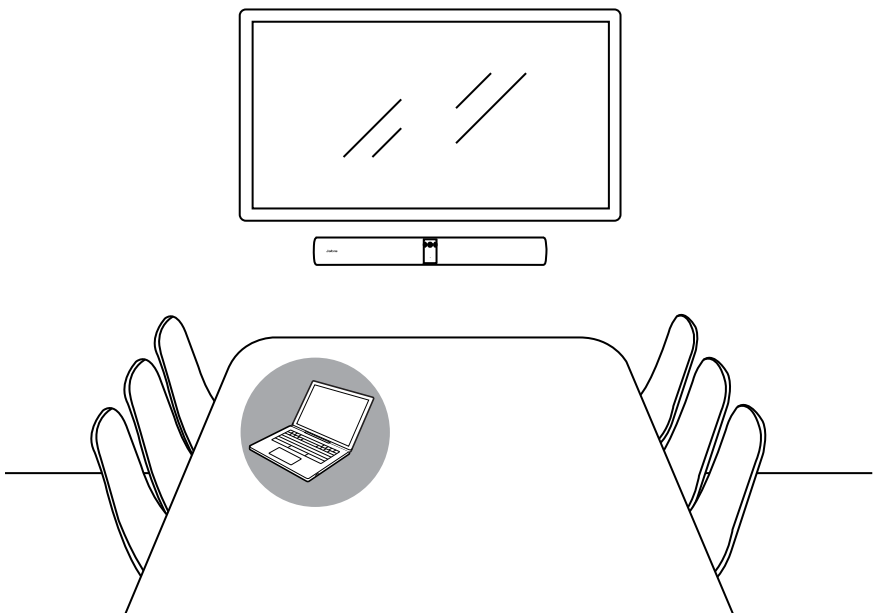
The Jabra PanaCast 50 is versatile and can be used with a Microsoft Teams Room or Zoom Room systems, or bring-your-own-devices (BYOD). It is recommended not to use USB extender cables.

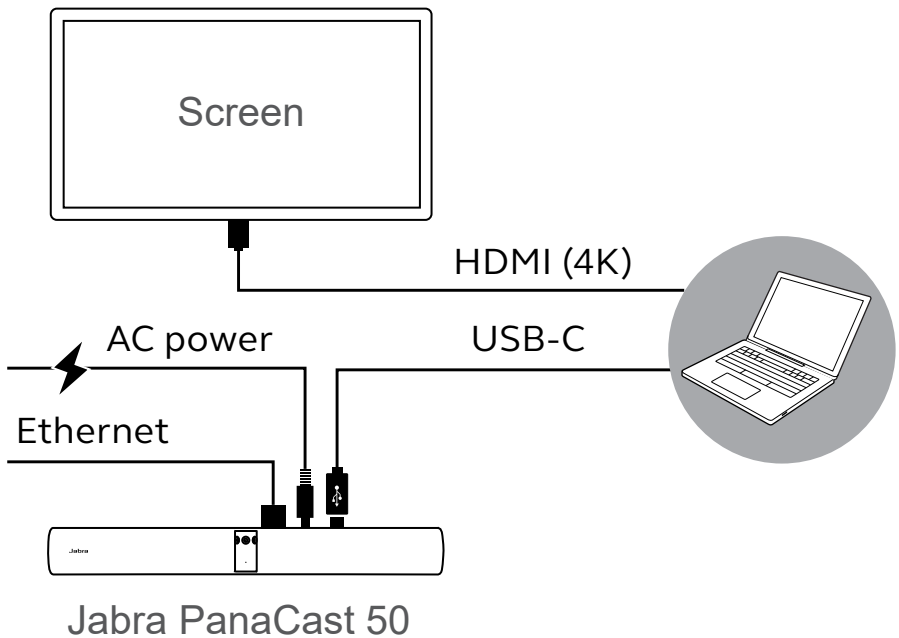
6.1 Room system cabling



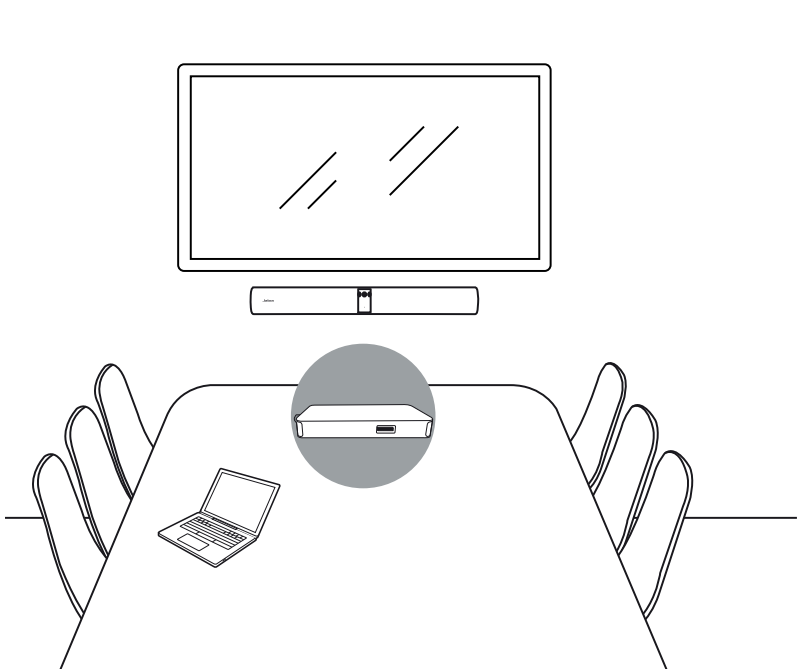


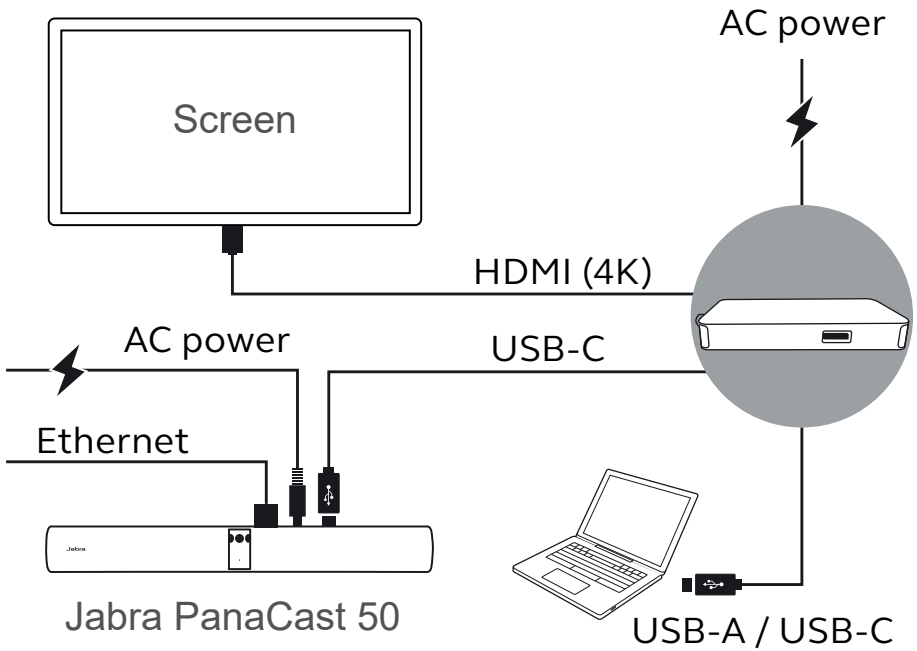
6.2 Bring-your-own-device (BYOD) cabling





6.3 Third party hub cabling





On the product support page, see the section Cable extension options for a list of approved third party USB hubs.

7. Software

7.1 Jabra+

Jabra+ is a dynamic, cloud-based SaaS platform designed to allow comprehensive monitoring and management of Jabra meeting rooms devices through a single, unified interface, providing control over settings and firmware.

Visit jabra.com/jabra-plus for more information.

Note: If you are managing and monitoring your Jabra devices through Jabra Xpress or Jabra Direct, it is recommended not to simultaneously use Jabra+.

7.2 Jabra Direct (Windows or macOS)

Jabra Direct is free desktop software designed to support, manage and enable optimal functionality for Jabra devices. Jabra Direct features a camera controller that can be used as a remote control for the Jabra PanaCast 50 (refer to section 9.1 for more info).

Download the latest free version from jabra.com/direct

Note: If you are managing and monitoring your Jabra devices through Jabra Direct, it is recommended not to simultaneously use Jabra+.

7.3 Jabra Xpress (Windows or macOS)

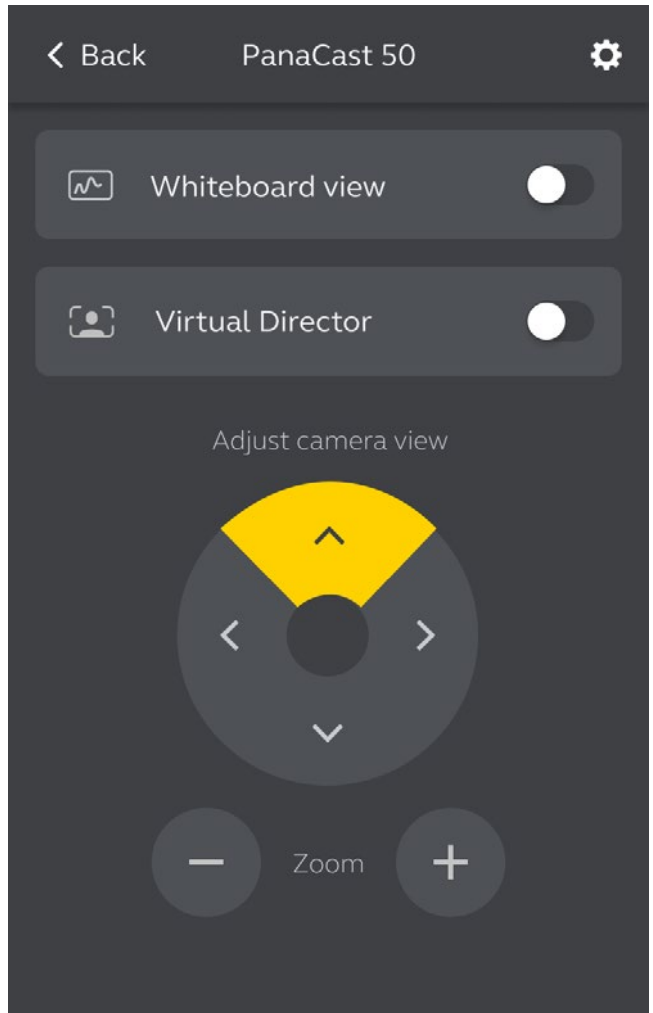
Jabra Xpress is free desktop software designed to mass deploy and manage multiple Jabra devices across an organization. Jabra Xpress can track safety capacity limits and provide detailed insights about device usage.

Visit jabra.com/xpress to get access to Jabra Xpress

Note: If you are managing and monitoring your Jabra devices through Jabra Xpress, it is recommended not to simultaneously use Jabra+.

7.4 Jabra Sound+ (iOS or Android)

Jabra Sound+ is a free app for iOS or Android phones that can be used as a remote controller for the Jabra PanaCast 50.



7.5 Microsoft Teams

Microsoft Teams will automatically detect and set the Jabra PanaCast 50 as the default video and audio device.

To manually set the Jabra PanaCast 50 as the default video and audio device in Microsoft Teams, follow the steps below.

1. Launch Microsoft Teams.
2. Click your account profile icon in the top right corner of Microsoft Teams.
3. Select **Settings** to open the settings menu.
4. Select the **Devices** tab in the menu list.
5. Under **Camera** and **Audio devices**, select **Jabra PanaCast 50**.

For more help, refer to the Microsoft Teams help center.

7.6 Zoom

Zoom will automatically detect and set the Jabra PanaCast 50 as the default video and audio device.

To manually set the Jabra PanaCast 50 as the default video and audio device in Zoom, follow the steps below.

1. Launch Zoom.
2. Click your wheel icon in the top right corner of Zoom to open the settings menu.
3. In the **Video** and **Audio** tabs, select **Jabra PanaCast 50** as the camera and speaker.

For more help, refer to the Zoom help center.

7.7 Other compatible video conferencing applications

When using the Jabra PanaCast 50 with other compatible video conferencing applications, ensure it has been manually set as the default video and audio device in the video/audio settings for the video conferencing application.

8. Remote management setup

8.1 Management in Jabra+

To remotely manage the Jabra PanaCast 50, ensure it has been previously provisioned in Jabra+ with a provisioning code or using a Meeting room client.

For more information on Jabra PanaCast 50 provisioning in Jabra+, refer to the Administrator's Guide.

Once the Jabra PanaCast 50 has been provisioned in Jabra+, log in with your Jabra+ account. Go to the **Meeting rooms** > **Room inventory** menu, select the corresponding meeting room and Jabra PanaCast 50.

8.2 Management in Jabra Xpress

To remotely manage the Jabra PanaCast 50 using Jabra Xpress, ensure it has been added to the Jabra Xpress Cloud.

For more information on adding the Jabra PanaCast 50 to the Jabra Xpress Cloud, refer to the Deployment Guide.

8.3 Management in third-party platforms

Access your third-party platform to manage the Jabra PanaCast 50 settings.

It is not recommended to use a third-party platform and Jabra+ or Jabra Xpress, unless specifically recommended to do so by Jabra support.

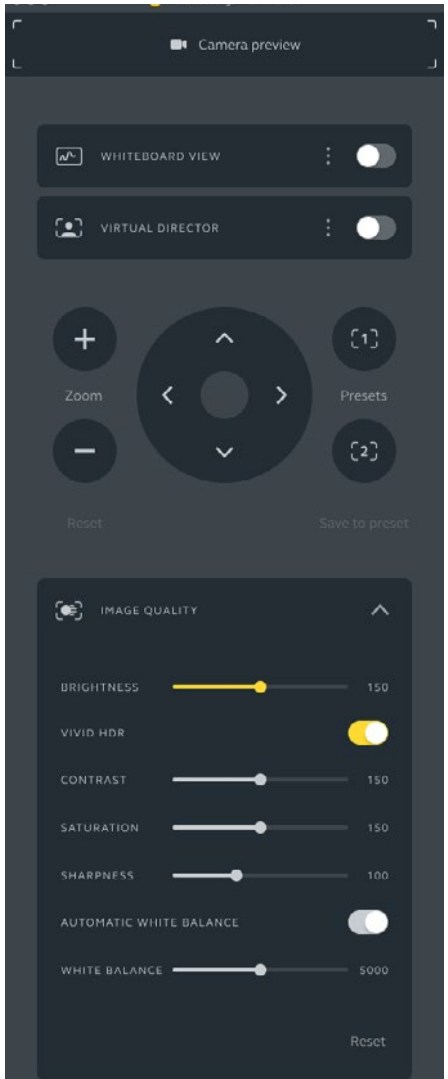
9. Video conferencing features

9.1 Camera controller in Jabra Direct and Jabra Sound+

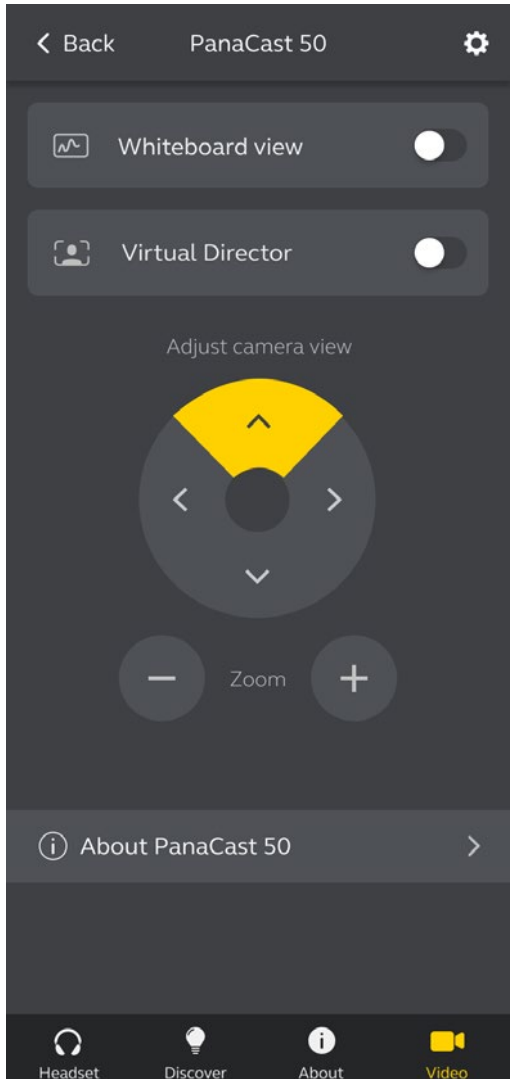
The camera controller is a tool in Jabra Direct and Jabra Sound+ that enables users to remotely control a Jabra PanaCast 50 using their computer, phone or tablet.

The camera controller allows users to:

- Use Automatic zoom modes (Virtual Director or Intelligent Zoom).
- Set up and share the view of a whiteboard.
- Adjust the camera view using Pan, Tilt, Zoom controls.
- Adjust the image quality settings (e.g. brightness, saturation, etc.).
- Select and customize Presets to suit their individual requirements.



Jabra Direct camera controller



Jabra Sound+ camera controller

9.2 Intelligent Zoom

Intelligent Zoom is an Automatic zoom mode that dynamically frames all visible people within 4.5 meters (15 feet).

Users can access Intelligent Zoom by using the camera controller in Jabra Direct, Jabra Sound+ or by using the remote control. Only one Automatic zoom mode can be active at a time.

By default, **Automatic zoom mode** is set to Intelligent Zoom.

9.3 Virtual Director

Virtual Director is an Automatic zoom mode that features Speaker tracking, focusing on whomever is speaking in the camera view.

Users can access Virtual Director using the camera controller in Jabra Direct or Jabra Sound+. Only one Automatic zoom mode can be active at a time.

9.4 Single-stream Dynamic Composition

Single-stream Dynamic Composition is a video mode that enables a tiled view of up to 4 participants in a meeting room in a single video stream. The tiled view will dynamically update to display the participants who are actively speaking.

Compatibility: BYOD, Microsoft Teams Rooms on Windows, Zoom Rooms, all UC clients that support NV12. Works with USB 2.0 and USB 3.0.

When any version of Dynamic Composition is enabled, all other camera view settings and controls are disabled, including whiteboard view. This setting can be enabled in Jabra Direct, Jabra Xpress and Jabra+.

By default, Dynamic Composition is set to **Off** and can be changed to **Single-stream.**

9.5 Multi-stream Dynamic Composition for Microsoft Teams Rooms on Windows

Multi-stream Dynamic Composition for Microsoft Teams Rooms on Windows is a video mode that enables multiple video streams from the PanaCast 50. Two video streams will show the two most recent speakers and a third video stream will show the full meeting room. This video mode supports Microsoft's IntelliFrame and Microsoft's Person Recognition.

Compatibility: Microsoft Teams Rooms on Windows. Works with USB 3.0 only.

When any version of Dynamic Composition is enabled, all other camera view settings and controls are disabled, including whiteboard view. This setting can be enabled in Jabra Direct, Jabra Xpress and Jabra+.

By default, Dyanmic Composition is set to **Off** and can be changed to **Multi-stream for Microsoft Teams Rooms.**

Microsoft's Person Recognition must be enabled by an IT administrator. Users must enroll their faces. For more information, refer to Microsoft's website - Enable Microsoft's Person Recognition.

9.6 Intelligent Meeting Space

Define the area that the PanaCast 50 should consider a meeting space and the camera will only frame people in that defined area. This is especially useful for meeting rooms which have glass walls.

9.7 Intelligent Speaker

In-room participants will now be identified in live transcription if they and their organization have opted into this feature. During the meeting, all participants can then easily see who's saying what, and the post-meeting transcript identifies both remote and in-room attendees (except any who choose not to be identified).

This feature can identify up to 10 in-room participants and up to 20 meeting participants (in-room and remote). In-room participants need to be enrolled with their voice profile and invited to the meeting.

This feature is **Off** by default, and can be enabled in the **Playback device type** in Jabra Direct and by selecting **Microsoft Teams Room Device.**

Microsoft's Voice Recognition must be enabled by an IT administrator. Users must enroll their voices. For more information, refer to Microsoft's website - Enable an Intelligent Speaker user recognition.

9.8 Safety capacity settings

Using Jabra Direct, it is possible to set a safety capacity limit for a meeting room. If a safety capacity limit has been set, the Jabra PanaCast 50 will automatically detect if the limit is exceeded using PeopleCount technology and can alert people in the meeting room in real time. This anonymous PeopleCount data can be tracked and managed using Jabra Xpress.

PeopleCount technology detects the heads and bodies of any brightly-lit visible people within 1-4 meters of the camera (3-12 feet) with an accuracy rate of 75%+.

By default, **People Count** and **People Count LED** are set to On, and **Safety capacity notifications** are set to Off.

9.9 Save Pan, Tilt, Zoom presets

Pan, Tilt, Zoom presets allow users to adjust and save the camera view using the camera controller on Jabra Direct, Jabra Sound+ or by using the remote control. Saved presets do not overwrite the default Pan, Tilt, Zoom settings. Users can select saved presets when a new meeting starts.

9.10 Image quality settings

The image brightness, contrast, saturation, sharpness, and white balance can be adjusted using the camera controller.

Additionally, Vivid HDR and Automatic white balance can be enabled. If Vivid HDR is enabled, contrast, saturation, and sharpness cannot be adjusted manually. If Automatic white balance is enabled, the white balance cannot be adjusted manually.

9.11 Video flicker

Video flicker can occur if the Jabra PanaCast 50 is not set to the correct geographical region. To prevent video flicker, select Auto (50Hz/60Hz) for regions that support NTSC format, or 50Hz for regions that support PAL format.

By default, **Video flicker** is set to Auto.

9.12 Field of view

The angle of the camera can be optically adjusted for a wider or narrower view of the meeting room.

By default, **Field of view** is set to 180°.

9.13 Video stitching

To create a 180° camera view, video stitching is used to join the overlapping areas of the video. Video stitching works best between 60 centimeters (24 inches) and 5 meters (16 feet) from the camera.

9.14 Update firmware

Firmware updates improve performance or add new functionality to Jabra devices. Jabra PanaCast 50 firmware updates can be done locally using Jabra Direct, remotely using Jabra+ or Jabra Xpress, or using other methods designed specifically for Microsoft Teams Rooms and Zoom Rooms.

10. Whiteboard

The 180° field of view of the Jabra PanaCast 50 allows whiteboard content to be shared in real time, even if the whiteboard is angled sharply away from the camera. Intelligent software automatically corrects the perspective to ensure the best view, while improving the image in real time by reducing shine, gloss, and shadows, and enhancing color and contrast of marker strokes. A secondary content camera stream allows you to display both the whiteboard and those present in the meeting at the same time in dual streams.

The recommended size of the whiteboard should be between 1.5-2.7 meters in width (5-9 feet), however whiteboards measuring between 1-3 meters in width (3-10 feet) are supported.

10.1 Position the whiteboard

It is recommended that the whiteboard should be positioned within 3.6 meters (12 feet) of the Jabra PanaCast 50, and no closer than 1.5 meters (5 feet). The optimal viewing range is 3 meters (9 feet).

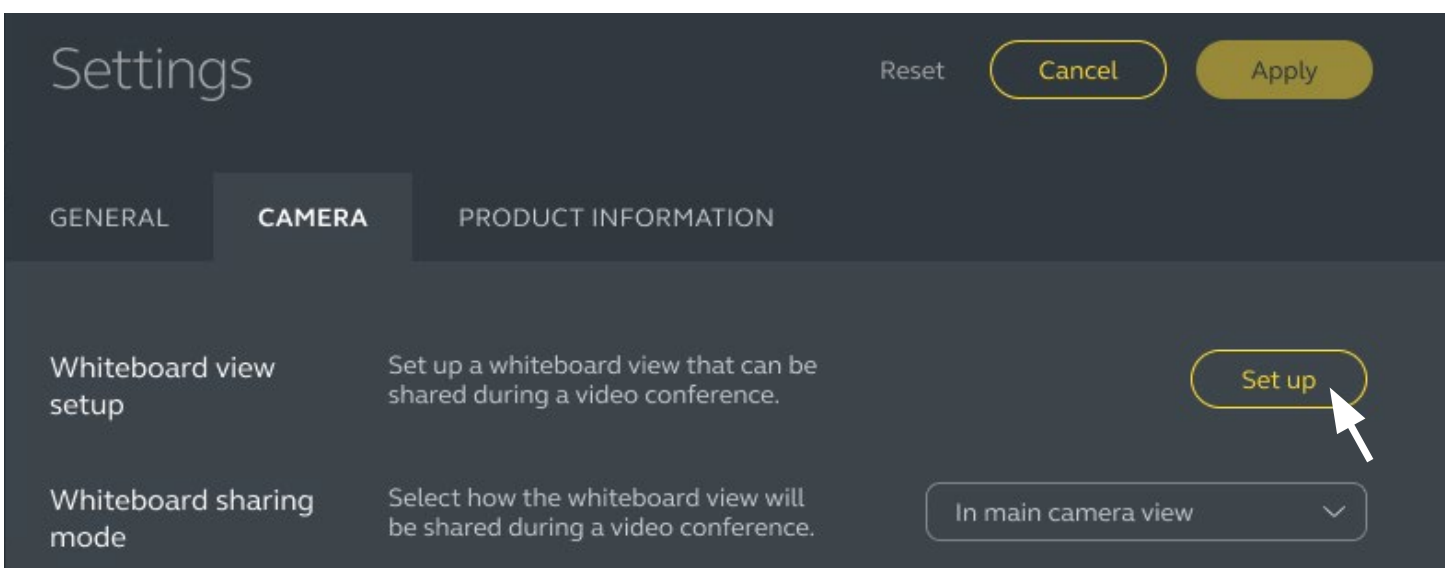
It is important to note the Jabra PanaCast 50 camera consists of three separate lenses, arranged horizontally. The whiteboard MUST be positioned entirely within the view of one of these three lenses.

It is recommended to use a standard whiteboard, rather than glass or highly reflective surface. For the best clarity, use black or dark markers to write on the whiteboard.

10.2 Set up whiteboard view

Before a whiteboard can be shared in a video conference, a whiteboard view must be set up using Jabra Direct.

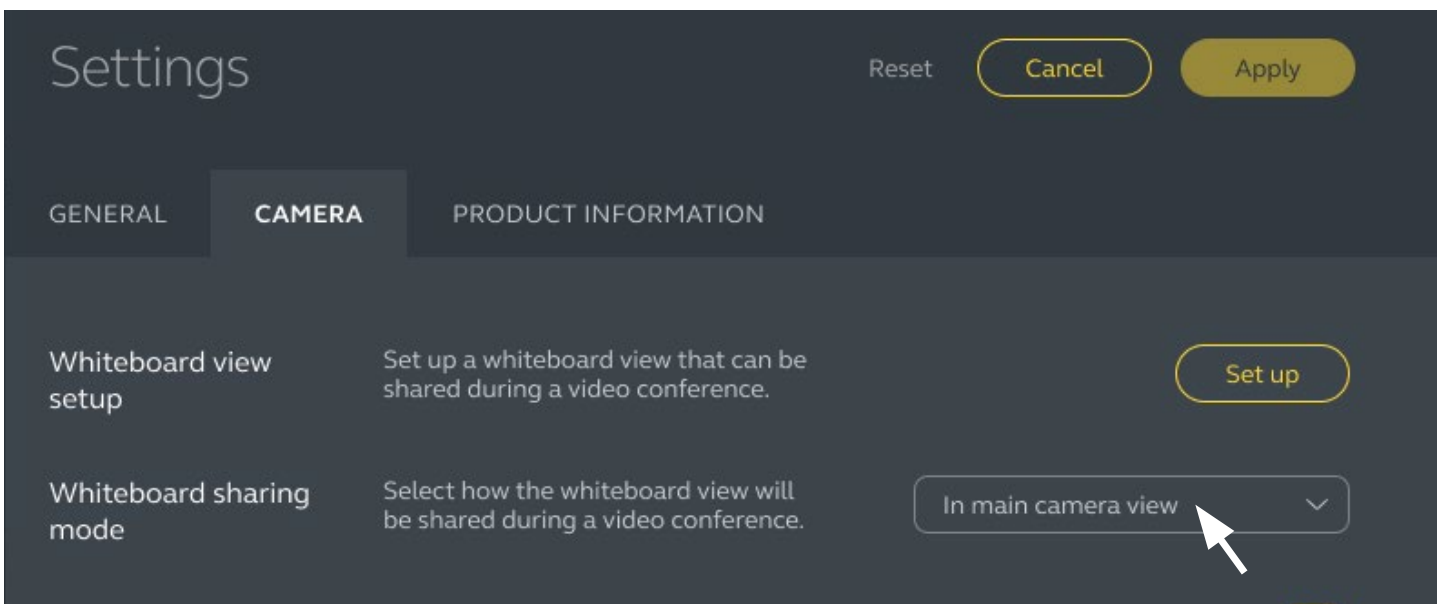
To set up a whiteboard view, go to **Whiteboard view setup** under the **Camera** settings in Jabra Direct and then click **Set up.** Jabra Direct will guide you through the process of setting up a whiteboard view.



10.3 Share the whiteboard in the main camera view

If the **Whiteboard sharing mode** in Jabra Direct is set to Main camera view, toggling the whiteboard view on/off using the camera controller in Jabra Direct or Jabra Sound+ or the remote control will switch between the view of the meeting and the view of the whiteboard.

By default, the **Whiteboard sharing mode** in Jabra Direct is set to Main camera view.



10.4 Share a separate view of the whiteboard in Microsoft Teams Rooms

The whiteboard view can be shared in Microsoft Teams Rooms as a separate content camera view, which will open a separate video stream of the whiteboard.

1. Launch Jabra Direct on a separate laptop (not the Microsoft Teams Rooms unit) and ensure the Jabra PanaCast 50 device is selected.
2. Select **Settings** to open the settings menu.
3. Select the **Camera** tab.
4. Set the **Whiteboard sharing mode** as **In separate content camera view.**
5. Select **Whiteboard view setup** to create the boundaries of the whiteboard view.
6. Launch Microsoft Teams Rooms on the Microsoft Teams Rooms unit.
7. Select **Settings** to open the settings menu.
8. Under **Camera Defaults**, select **Jabra PanaCast 50** as the content camera, and ensure that the **Content enhancements** option is selected.

10.5 Share a separate view of the whiteboard in Zoom Rooms

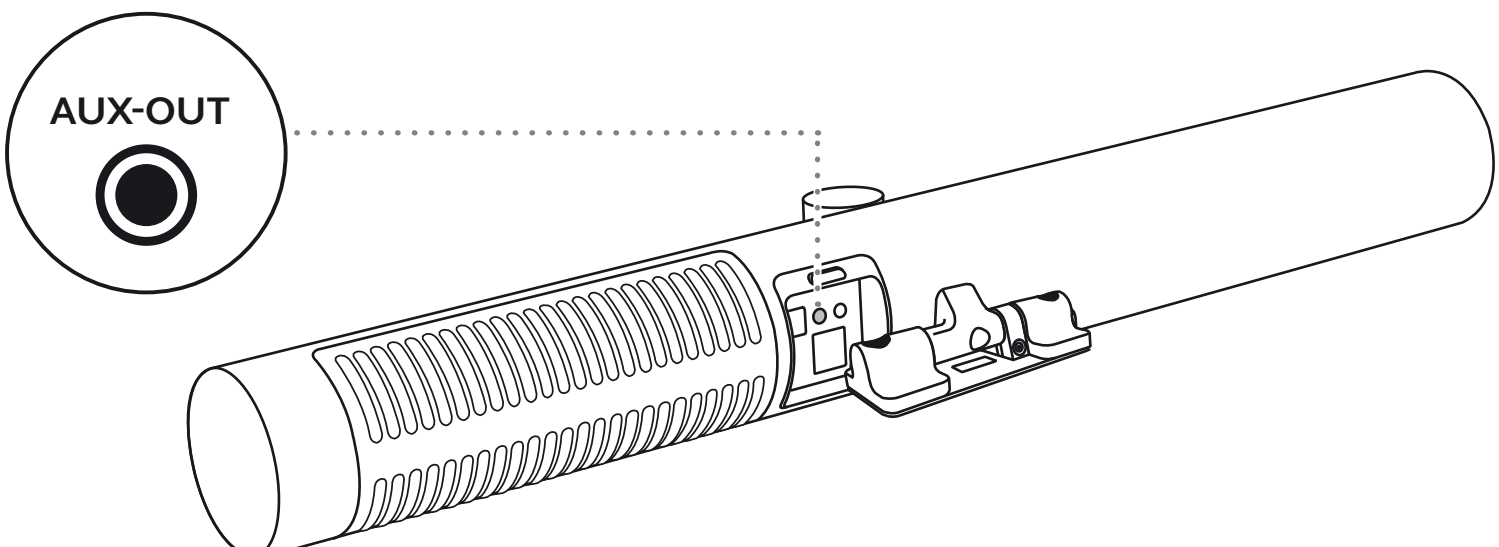
The whiteboard view can be shared in Zoom Rooms as a separate content camera view, which will open a separate video stream of the whiteboard.

1. Launch Jabra Direct and ensure the Jabra PanaCast 50 device is selected.
2. Select **Settings** to open the settings menu.
3. Select the **Camera** tab.
4. If using Zoom Rooms on Windows, set the **Whiteboard sharing mode** as **In separate content camera view**. If using Zoom Rooms on Mac, only **In main camera view** is supported.
5. Launch Zoom Rooms.
6. Tap **Share Content**.
7. Select the Camera tab.
8. Select **Jabra PanaCast 50 Content Camera** as the content camera.

11. Hearing augmentation with Assistive Listening Devices

The Jabra Panacast 50 aux-out feature allows the connection of Assisted Listening Devices to improve accessibility in meeting rooms for people with hearing loss.

Audio volume apply to the video bar speakers and aux-out audio.

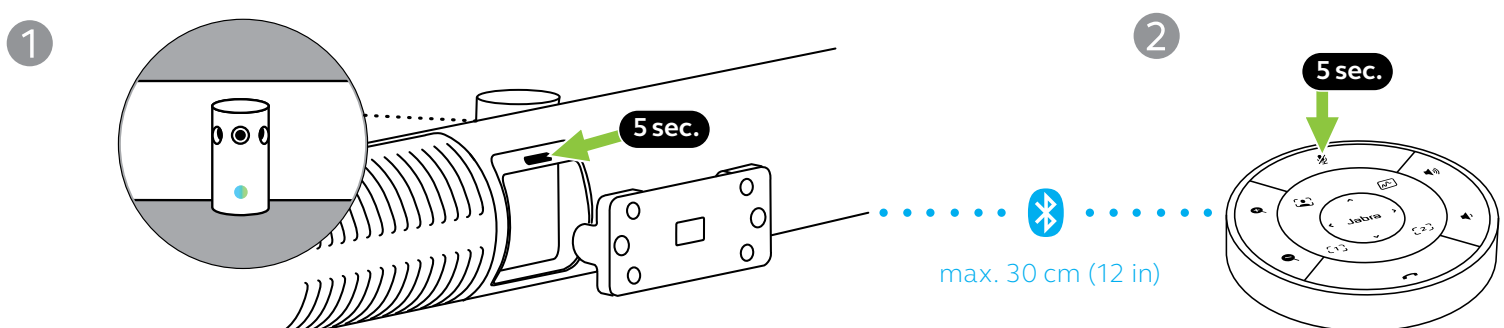


Note: AUX-IN or unlabeled AUX ports do not support this feature.

12.Remote control (optional accessory)

12.1 How to pair the remote control

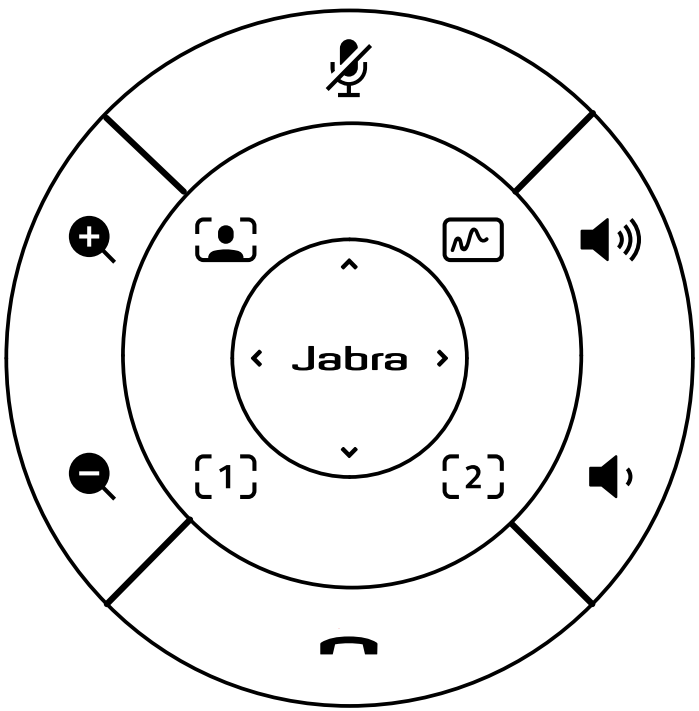
1. Press and hold the Bluetooth button on the back of the Jabra PanaCast 50 for 5 seconds until the LED on the camera flashes blue and green. This LED notification indicates that the Jabra PanaCast 50 is in pairing mode.
2. Press and hold the Mute button on the remote control for 5 seconds until you hear an audio notification on the Jabra PanaCast 50. This audio notification indicates that the remote control and the Jabra PanaCast 50 are paired.



To pair, the remote control must be within 30 centimeters (12 inches) of the Jabra PanaCast 50.

12.2 How to use the remote control

The range of the remote control is 10 meters (30 feet).



Mute/unmute microphone
Pair with PanaCast 50 (*hold*)

Turn Intelligent Zoom on/off

Turn Whiteboard view on/off

Select Preset 1
Save Preset 1 (*hold*)

Select Preset 2
Save Preset 2 (*hold*)

Adjust camera view

End call

Zoom in

Zoom out

Volume up

Volume down

13. Support

13.1 FAQ and technical specifications

View the FAQ, certifications, and technical specifications at jabra.com/help/panacast50

13.2 How to care for your Jabra device

- The Jabra PanaCast 50 is for indoor use only.
- Avoid direct sunlight and temperatures above 40°C/104°F or below 0°C/32°F.
- Do not expose the camera or cables to rain or other liquids.
- Do not position the camera near the vents of a monitor or TV as this may cause the camera to overheat and malfunction.
- Clean the cloth surface with a cloth dampened with a mild soap solution.

13.3 How to factory reset

Resetting will restore the Jabra PanaCast 50 to its factory default settings.

1. Press and hold the Reset button on the back of the Jabra PanaCast 50 for 5 seconds until the LED flashes pink and you hear an audio notification.
2. The Jabra PanaCast 50 will reboot and play another audio notification when ready for use. The reboot takes approx. 1 minute.