

### Overview

The ACV-5100 features a hinged Wall Mount Bracket, which allows easy installation as well as access to the Connector Bay without having to dismount the unit. The Wall Mount Bracket features a cutout for cable routing and straps for cable management.

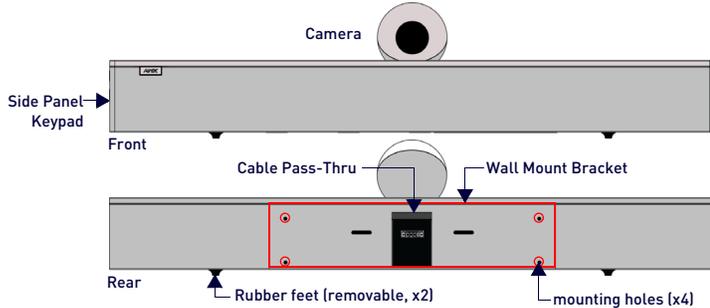


FIG. 1 ACV-5100 (FRONT/REAR VIEWS)

PRODUCT SPECIFICATIONS	
MODELS AVAILABLE	<ul style="list-style-type: none"> <li>ACV-5100GR, Grey (FG4151-00GR)</li> <li>ACV-5100BL, Black (FG4151-00BL)</li> </ul>
INCLUDED ACCESSORIES	<ul style="list-style-type: none"> <li>15V  / 4A Power Supply</li> <li>Remote Control</li> <li>6' USB 2.0 Cable</li> <li>5mm Wall Mount Spacers (4)</li> <li>Lock-Down Screws (2)</li> </ul>
DIMENSIONS (HWD)	<ul style="list-style-type: none"> <li>5" x 23 1/2" x 3 15/16" (76 mm x 590 mm x 100 mm)</li> <li>Depth with optional wall mount spacers: 4 1/8" (105 mm)</li> </ul>
WEIGHT	6.45 lbs (2.93 kg)
ACTIVE POWER REQUIREMENTS	<ul style="list-style-type: none"> <li>~100-240V, 1.3A max</li> <li>Only use the included power supply</li> </ul>
REGULATORY COMPLIANCE	FCC 47 CFR Part 15, Subpart C / Subpart B (emissions) EN 55024, EN 60950-1, IEC/EN/UL 60065:2014
ENVIRONMENTAL	<ul style="list-style-type: none"> <li>Temperature (Operating): 32° F to 113° F (0° C to 45° C)</li> <li>Temperature (Storage): -4° F to 158° F (-20° C to 70° C)</li> <li>Humidity (Operating): 5% to 85% RH non-condensing</li> </ul>
OPTIONAL ACCESSORIES	<ul style="list-style-type: none"> <li>CBL-USB-FL2-16, USB 2.0 16ft Extension Cable (FG10-2220-16)</li> <li>CBL-USB-FL2-33, USB 2.0 33ft Extension Cable (FG10-2220-33)</li> <li>ACR-5100, Meeting Collaboration System (FG4051-00)</li> </ul>

**Note:** Do not lift the ACV-5100 by the camera or rest the unit on the camera.

### Credenza Installation

**Note:** To ensure highest possible sound quality, the rubber feet on the bottom panel must remain in place for surface-mount installations.

The ACV-5100 can sit on a hard, flat surface such as a credenza, tabletop or desk. When choosing a surface location, consider a space that will not interfere with workspaces or other installed devices. Connect cables as necessary - see the Connections section for details.

### Wall Mount Installation

For best aesthetic in wall mount installations, remove the rubber feet from the bottom panel: carefully peel each foot off of the bottom surface.

#### Removing the Wall Mount Bracket

- Open the Wall Mount Bracket (held closed by internal magnets).
- Press and hold the **Release Button** to slide the Bracket out (over the button) to disengage the pins on the Bracket from the hinges on the unit (FIG. 2).

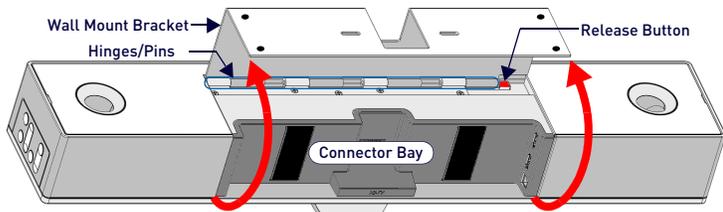


FIG. 2 ACV-5100 BOTTOM VIEW - OPENING THE WALL MOUNT BRACKET

- Lift the Wall Mount Bracket off of the hinges to remove (FIG. 3):

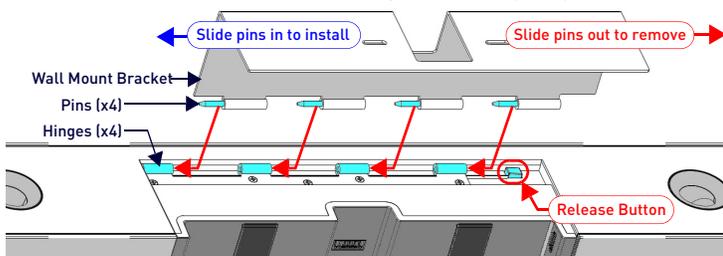


FIG. 3 ACV-5100 BOTTOM VIEW - REMOVING THE BRACKET

### Wall Mount Considerations

- Distance between conference table and display:** The closer the table is to the wall-mounted display, the lower the display should be mounted. As a general guide, the display should be mounted between 40" and 48" from the floor.
- Avoid obstructing the camera view:** If the display protrudes from the wall more than the ACV-5100, then additional spacing between the display and the ACV-5100 may be needed.
- Position camera for full visibility:** In small rooms, it may be necessary to manually tilt the camera up to maximize visibility for all participants.

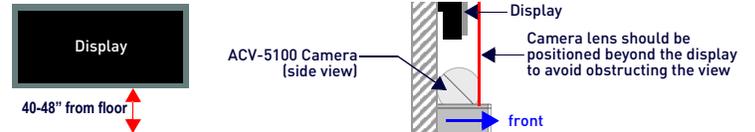


FIG. 4 ACV-5100 WALL MOUNT CONSIDERATIONS

#### Using the Bracket Mounting Guide

The Wall Mount Bracket features instructions etched on the inner surface that describe how to position the ACV-5100 beneath a wall-mounted display to avoid obstructing the camera view (FIG. 5):

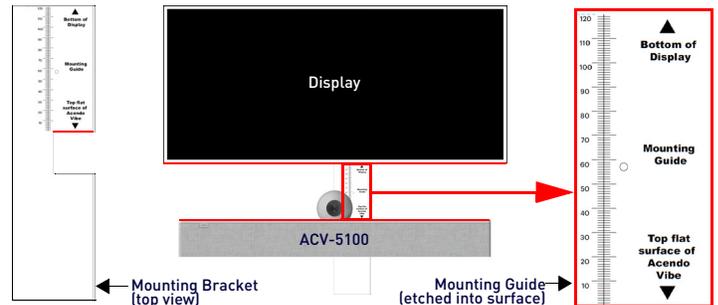


FIG. 5 USING THE MOUNTING GUIDE

- Remove the Bracket from the ACV-5100 (see FIG. 7 on page 9).
- Turn the Bracket vertically and place against the wall, centered directly beneath the wall-mounted display.
- Align the top of the Bracket (see **Bottom of Display**) with the bottom surface of the display.
- Use the top edge of the notch in the Bracket (see **Top flat surface of Acendo Vibe**) to determine the closest placement for the ACV-5100 beneath the display. Mark the mounting surface.
- Align the top flat surface of the ACV-5100 with the mark made in step 4.
- Mount the Bracket using mounting screws and optional mounting spacers (see FIG. 6).

#### Mounting the Wall Mount Bracket and Attaching the ACV-5100

- Use the Wall Mount Bracket as a template to mark the locations for the four mounting screws (not included). Use mounting screws and hardware appropriate for the surface being utilized to secure the Bracket to the wall.

*Optionally, if not hiding them behind the drywall, place the four included Wall Mount Spacers between the Bracket and the wall to create a 5mm gap for routing flat cables (see FIG. 6).*

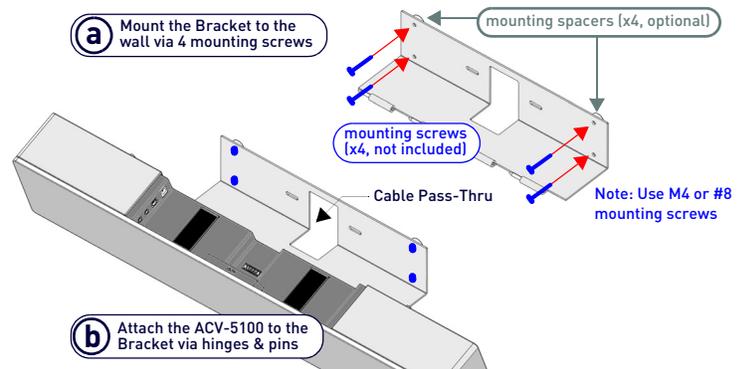


FIG. 6 WALL MOUNTING THE ACV-5100

- Attach the ACV-5100 to the Bracket by sliding the pins on the Bracket into the hinges on the rear of the main unit (see FIG. 3):
  - Position the ACV-5100 with the bottom panel facing the wall and align the hinges on the main unit with the pins on the Bracket.
  - Carefully slide the pins into the hinges, until the Bracket snaps into place. **Note:** Press the Bracket into place so that the last pin depresses the Release Button, allowing the pins to slide into the hinges (see FIG. 3).
  - With the ACV-5100 attached to the Bracket, rotate the unit up to its seated position. Note that the Bracket snaps shut and is held closed via internal magnets. **Note:** Ensure that cables do not obstruct the complete closing of the unit.

3. Connect cables as necessary (inside the Connector Bay - see FIG. 2).
4. Rotate the ACV-5100 into seated position. The Bracket is secured with magnets (FIG. 7).

## Connections

All connectors are located within the Connector Bay (rear panel).

- For surface installations, place the unit face-down and open the Connector Bay Door to manage cables/connectors.
- For wall-mounted installations, simply rotate the ACV-5100 unit down and away from the wall to access the Connector Bay.

There are two sets of connectors on the inner side panels of the Connector Bay. Each connector is labeled on the elastic cable straps. Run each cable through the cable pass-thru in the bracket/door and under the cable straps.

ACV-5100 CONNECTIONS	
DC POWER	Connect the included 15V  power supply to this barrel connector. Only use the power supply included with the ACV-5100.
OPTICAL AUDIO	Use this TOSLINK connector to receive Optical Stereo Input from an audio source device.
AUX OUT	Use this 1/8" mini-stereo connector to send analog stereo sound from the ACV-5100 to an auxiliary device.
AUX IN	Use this 1/8" mini-stereo connector to receive analog stereo sound from an analog audio source device.
HDMI OUT	(Type A) Connect to an HDMI input on a display device.
HDMI IN	(Type A) Connect to an HDMI output from a source device, such as a laptop or Acendo Core.
USB	Use the USB 2.0 Type-B port to connect a PC/laptop to the ACV-5100 as a source device. Acendo Vibe is plug-and-play with PC/laptop using standard UAC/UVC drivers. The USB connection is also used to configure the ACV-5100 via the Acendo Vibe Configuration Tool for settings and firmware updates.
RS-232	3-pin captive-wire connector provides serial communication with the Acendo Vibe. Refer to the Acendo Vibe Instruction Manual for serial command definitions.
MOTION (future firmware update)	3-pin captive-wire connector provides connectivity for an (optional) motion sensor (reserved for future implementation). <ul style="list-style-type: none"> <li>• PWR (+5V  0.1A)</li> <li>• OCC</li> <li>• Ground</li> </ul> The logic of OCC is "High" for occupancy detected, and "Low" for vacancy.

## Rotating the ACV-5100 Into the Seated Position

After connecting all cables, close the Bracket to return the ACV-5100 to its seated position. The Bracket is secured via internal magnets (FIG. 7):

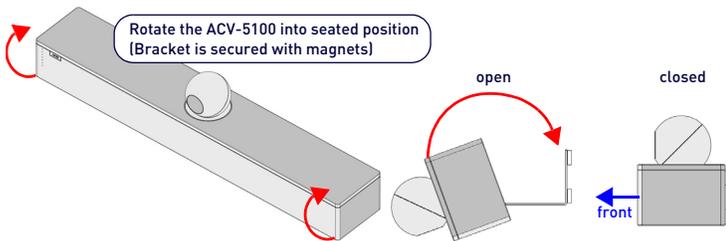


FIG. 7 ROTATING THE ACV-5100 INTO ITS SEATED POSITION

## Installing Lock-Down Screws

The ACV-5100 comes with two (flat-head) Lock-Down Screws that can be added after the ACV-5100 has been installed and connected. The Lock-Down Screws prevent the Bracket from being opened accidentally. With the Bracket/Connector Bay Door closed, install the Lock-Down Screws in the bottom panel (FIG. 8):

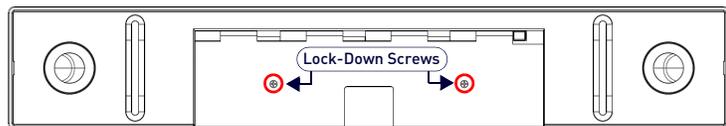


FIG. 8 ACV-5100 BOTTOM VIEW - LOCK DOWN SCREW LOCATIONS

**Note:** The Lock Down screws are not to be used to mount the ACV-5100 unit to the wall.

## Side Panel Keypad

All controls and LEDs are on the left side panel of the ACV-5100 (FIG. 9):

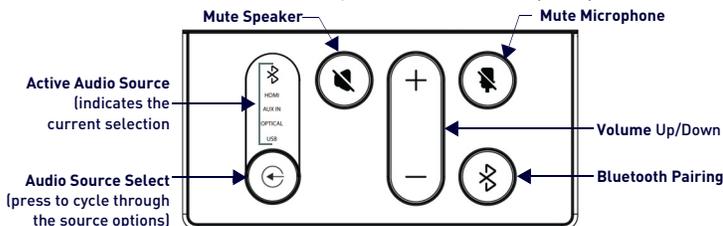


FIG. 9 ACV-5100 LEFT SIDE PANEL KEYPAD

## Volume and Mute Controls

The ACV-5100 features Sound by JBL, including a 10W/channel stereo amplifier, speakers, microphones, and DSP algorithms with AEC

- Use the **Volume Up/Down** buttons on either the ACV-5100 side panel or on the remote control to adjust speaker volume.
- **Mute Speaker** and **Mute Microphone** enable/disable the speakers and microphone. Note that these buttons are lit on the ACV-5100 (and flash on the remote control) to indicate that the sound functions are muted.

## Camera

The ACV-5100 is equipped with a wide-angle camera for videoconferencing and supports a wide range of web conferencing applications via USB. To configure your USB device, such as a laptop, to work with the ACV-5100:

1. Connect the ACV-5100 to a laptop/PC via USB.
2. Use **Source Select** button on the the ACV-5100 (FIG. 9) to select **USB** (if necessary).
3. Select **AMX Acendo Vibe** as the camera.
4. Select **AMX Acendo Vibe** as the microphone.
5. Select **USB AUDIO CODEC** as the speakers.

**Note:** To adjust the camera's view, simply grasp the camera and rotate to the desired position.

## Remote Control

The ACV-5100 includes a wireless remote control (FIG. 10):

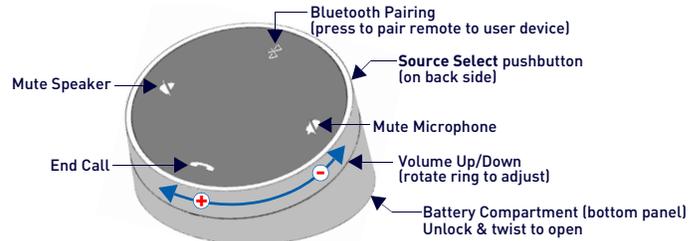


FIG. 10 ACENDO VIBE REMOTE CONTROL

## Pairing the Remote Control to the Acendo Vibe

1. Press and hold both the **Source Select** and **Bluetooth Pairing** buttons on the remote control for 5 seconds (see FIG. 10). All LEDs on the remote control should start blinking or remain blinking (once per second).
2. Press and hold both the **Source Select** and **Bluetooth Pairing** buttons on the ACV-5100 (see FIG. 9). After 3-5 seconds the LEDs on the remote control should stop flashing to indicate the remote control has paired.

**Note:** If the remote control remains in pairing mode (all LEDs blinking) for longer than 60 seconds the remote control will go to sleep. Press any button on the remote control to wake it up and continue with step 2.

## Pairing the Acendo Vibe with a Bluetooth Source Device

1. Press the **Bluetooth Pairing** button on the Acendo Vibe or the remote control to initiate pairing (see FIG. 9). The Bluetooth button will flash on both the ACV-5100 and the remote control.
  - Note:** To exit pairing mode without pairing a device, press either Bluetooth button again for 5 seconds.
2. On the source device, verify that Bluetooth pairing is enabled, and look for "Acendo Vibe" (or custom discoverable name) as a found device. Select the Acendo Vibe device for pairing. The Bluetooth LED on the ACV-5100 side panel lights solid to indicate that the Bluetooth device is paired. If automatic switching is disabled, use the **Source Select** button on the ACV-5100 to select **Bluetooth** as the audio source (if necessary). At this point, the Bluetooth LED is lit solid, Bluetooth audio is sent to the ACV-5100 speakers, and microphone audio is sent to the paired Bluetooth device.

**Note:** Once the ACV-5100 has paired to a device, it must either be "removed" or "forgotten" from your device's Bluetooth pairing list before it can be paired again.

## Acendo Vibe Configuration Tool

The ACV-5100 is configured via the Acendo Vibe Configuration Tool software (available to download from AMX). In most cases the default settings should not require adjustment. For details, see the Acendo Vibe Instruction Manual, available to view or download from [www.amx.com](http://www.amx.com).

## Setup Mode

In order for the Acendo Vibe Configuration Tool to communicate with the ACV-5100, the unit must be in Setup Mode. To place the ACV-5100 in Setup Mode, press the **Audio Source Select** and **Mic Mute** buttons on the ACV-5100 simultaneously (see FIG. 9) for 3 seconds. All of the LEDs blink to indicate that the unit is in Setup Mode.

**Note:** Press and hold the **Audio Source Select** and **Mic Mute** buttons for 3 seconds to exit setup mode.

## Additional Documentation

For instructions on configuring the Acendo Vibe, file transfers, firmware updates, programming and troubleshooting info, see the Acendo Vibe Instruction Manual, available to view or download from [www.amx.com](http://www.amx.com).

Refer to AMX University for online videos that demonstrate many of the installation steps described in this Quick Start Guide.