ACV-5100 Acendo Vibe™ Conferencing Sound Bar with Camera

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.
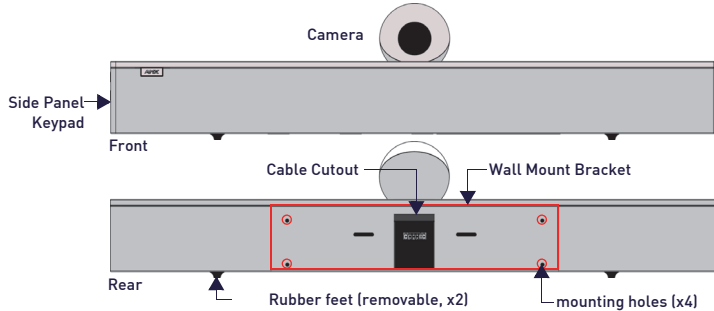

FIG. 1 ACV-5100 (FRONT/REAR VIEWS)

PRODUCT SPECIFICATIONS	
MODELS AVAILABLE	• ACV-5100GR, Grey (FG4151-00GR) • ACV-5100BL, Black (FG4151-00BL)
DIMENSIONS (HWD)	• 5" × 23 1/2" × 3 15/16" (76 mm × 590 mm × 100 mm) • Depth with optional wall mount spacers: 4 1/8'' (105 mm)
WEIGHT	6.45 lbs (2.93 kg)
ACTIVE POWER REQUIREMENTS	• ~100-240V, 1.3A max • Only use the included power supply
REGULATORY COMPLIANCE	FCC 47 CFR Part 15, Subpart C / Subpart B (emissions) EN 55024, EN 60950-1, IEC/EN/UL 60065:2014
ENVIRONMENTAL	• Temperature (Operating): 32° F to 122° F (0° C to 45° C) • Temperature (Storage): -4° F to 158° F (-20° C to 70° C) • Humidity (Operating): 5% to 85% RH non-condensing
INCLUDED ACCESSORIES	• 15V⎓ / 4A.Power Supply • Remote Control • 6' USB 2.0 Cable • 5mm Wall Mount Spacers (4) • Lock-Down Screws (2)
OPTIONAL ACCESSORIES	• CBL-USB-FL2-16, USB 2.0 16ft Extension Cable (FG10-2220-16) • CBL-USB-FL2-33, USB 2.0 33ft Extension Cable (FG10-2220-33) • ACR-5100, Meeting Collaboration System (FG4051-00)

Note: Do not lift the ACV-5100 by 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

1. Open the Wall Mount Bracket (held closed by internal magnets).
2. 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).
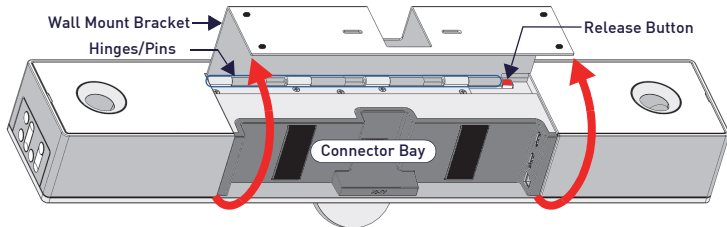

FIG. 2 ACV-5100 BOTTOM VIEW - OPENING THE WALL MOUNT BRACKET

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

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*: The lens of the camera must be positioned beyond the bottom surface of the display in order to avoid partially blocking the camera view.
- *Position camera for full visibility*: In small rooms, it may be necessary to manually tilt the camera up to maximize visibility for all participants.

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
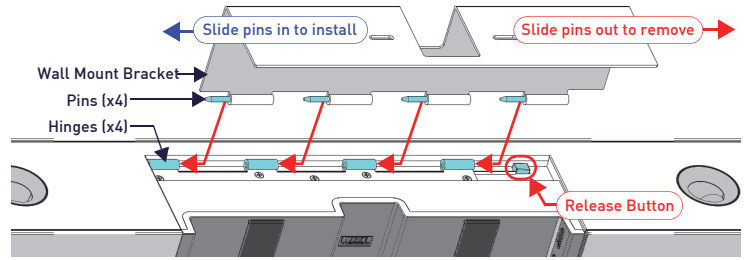

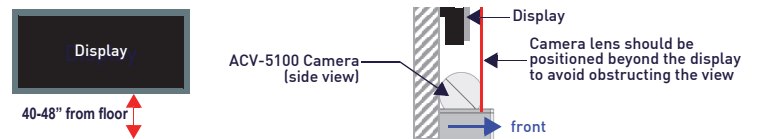**FIG. 3** ACV-5100 BOTTOM VIEW - REMOVING THE BRACKET

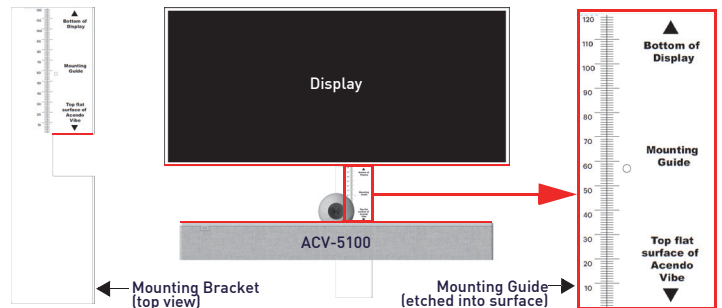**FIG. 4** ACV-5100 WALL MOUNT CONSIDERATIONS

FIG. 5 USING THE MOUNTING GUIDE

1. Remove the Bracket from the ACV-5100 (see FIG. 7 on page 9).
2. Turn the Bracket vertically and place against the wall, centered directly beneath the wall-mounted display.
3. Align the top of the bracket (see **Bottom of Display**) with the bottom surface of the display.
4. 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.
5. Align the top flat surface of the ACV-5100 with the mark made in step 4.
6. Mount the Bracket using mounting screws and optional mounting spacers (see FIG. 6).

Mounting the Wall Mount Bracket and Attaching the ACV-5100

1. 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, place the four included Wall Mount Spacers between the Bracket and the wall to create a 5mm gap for routing flat cables if not hiding them behind the drywall (see FIG. 7).
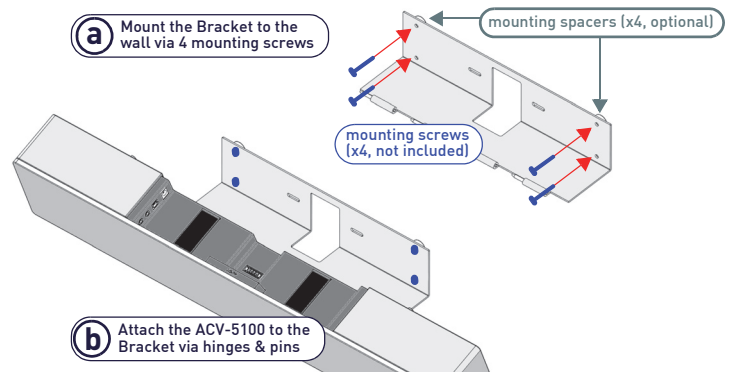

FIG. 6 WALL MOUNTING THE ACV-5100

2. 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):
   a. 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.
   b. 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)
   c. 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 access hole in the bracket/door and under the cable strap.

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 AMX Acendo Vibe configuration application and for file transfers.
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	3-pin captive-wire connector provides connectivity for an (optional) motion sensor. Refer to the Acendo Vibe Instruction Manual for details on using a motion sensor.

Rotating the ACV-5100 Into the Seated Position
After connecting all cables, close the Bracket to return the ACV-5100 to it's seated position. The Bracket is secured via internal magnets (FIG. 7):
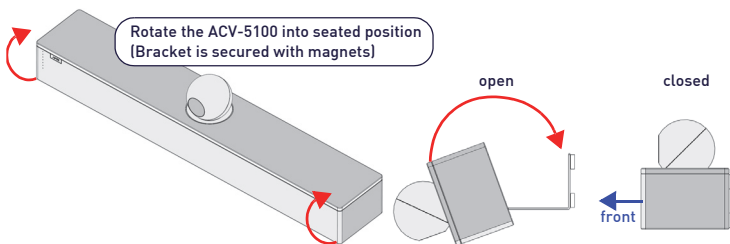
Rotate the ACV-5100 into seated position (Bracket is secured with magnets)

open   closed

front

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):
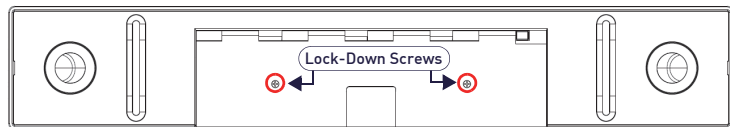
Lock-Down Screws

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

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

Mute speaker
Mute microphone
Bluetooth LED (lights to indicate Bluetooth is the selected audio source)
Input LEDs (light to indicate the active source)
Source Select (press to cycle through source options)
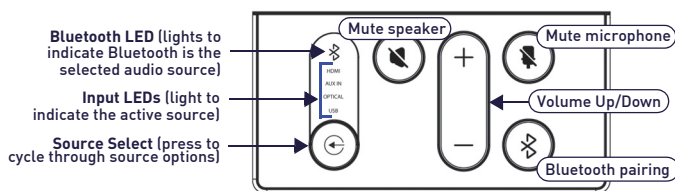Volume Up/Down
Bluetooth pairing

FIG. 9 ACV-5100 LEFT SIDE PANEL KEYPAD

Volume and Mute Controls
The ACV-5100 features a 10W/channel stereo amplifier, speakers, microphones, and DSP algorithms by JBL.
- Use the **Volume Up/Down** buttons to adjust speaker volume.
- **Mute Speaker** and **Mute Microphone** enable/disable the speakers and microphone. Note that these buttons illuminate to indicate when the sound functions are muted.

Camera
The ACV-5100 is equipped with a wide-angle camera for videoconferencing. The ACV-5100 supports Skype™ technology for video conferencing via it's USB port:
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. Start Skype on laptop/PC and select the AMX Acendo Vibe as the webcam:
   a. In Skype, select **Tools > Options** from the main menu bar.
   b. In the *Skype™ - Options* window, select **Video Settings** and select **AMX Acendo Vibe** from the *Select webcam* menu.
   c. In the *Skype™ - Options* window, select **Audio Settings** and select AMX Acendo Vibe Microphone and Speakers:
      - *Microphone*: Select **Microphone (3-AMX Acendo Vibe)**
      - *Speakers*: Select **Speakers (3-USB AUDIO CODEC)**

Note: To adjust the camera's viewing angle, simply grasp the camera and move it to the desired position.

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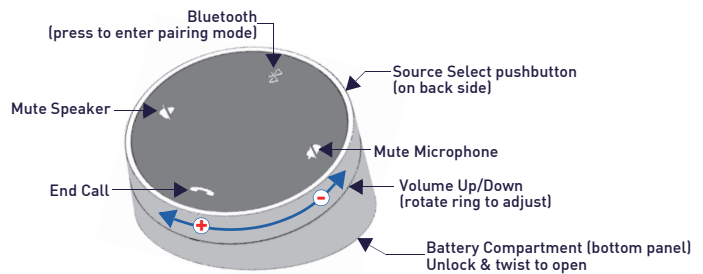The ACV-5100 includes a wireless remote control (FIG. 10):

Bluetooth (press to enter pairing mode)
Source Select pushbutton (on back side)
Mute Speaker
Mute Microphone
End Call
Volume Up/Down (rotate ring to adjust)
Battery Compartment (bottom panel) Unlock & twist to open

FIG. 10 ACENDO VIBE REMOTE CONTROL

Pairing the Remote Control to the Acendo Vibe
1. With the ACV-5100 powered on, press the **Source Select** and **Bluetooth** buttons (see FIG. 9) simultaneously for 5 seconds.
2. Press the Bluetooth button on the Remote Control. The button flashes to indicate that the remote is in pairing mode.
   When the pairing is complete, the Bluetooth LED on the remote remains lit while the devices are paired.
   Note: If the pairing is not immediately successful, press the Bluetooth button on the Remote Control a second time.

Pairing the Acendo Vibe with a Bluetooth Source Device
1. Press the **Bluetooth** button on the ACV-5100 (FIG. 9) to turn Bluetooth device discovery mode on. The Bluetooth LED flashes to indicate discovery mode is active.
2. On the source device (such as a phone), verify that Bluetooth pairing is enabled, and select the *Acendo Vibe* for pairing. The Bluetooth LED on the ACV-5100 lights to indicate that the Bluetooth device is paired to the ACV-5100.

Use the *Source Select* button on the ACV-5100 (FIG. 9) to select *Bluetooth* as the audio source (if necessary).

At this point, the Bluetooth LED is lit, Bluetooth audio is being sent to the ACV-5100 speakers, and microphone audio is being sent to the paired Bluetooth device.

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 work fine without any need for adjustment.

For details, see the ACENDO VIBE Instruction Manual, available to view or download from www.amx.com.

Setup Mode
In order for the Acendo Vibe Configuration Tool to communicate with the Acendo Vibe, the unit must be in Setup Mode.

To place the ACV-5100 in Setup Mode, press the **Source** and **Mic Mute** keys simultaneously for 5 seconds (see FIG. 1).

Note: All of the LEDs blink to indicate that the unit is in Setup Mode. While in Setup Mode, the ACV-5100's USB interface is enabled, and the Virtual COM port is visible to an attached PC.

Additional Documentation
For instructions on configuring the Acendo Vibe via the Acendo Vibe Configuration Tool, as well as file transfer, firmware updates, programming and troubleshooting info, see the Acendo Vibe Instruction Manual, available to view or download from www.amx.com.

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

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