

User Manual

Model 1725A

Soundbar Demonstrator



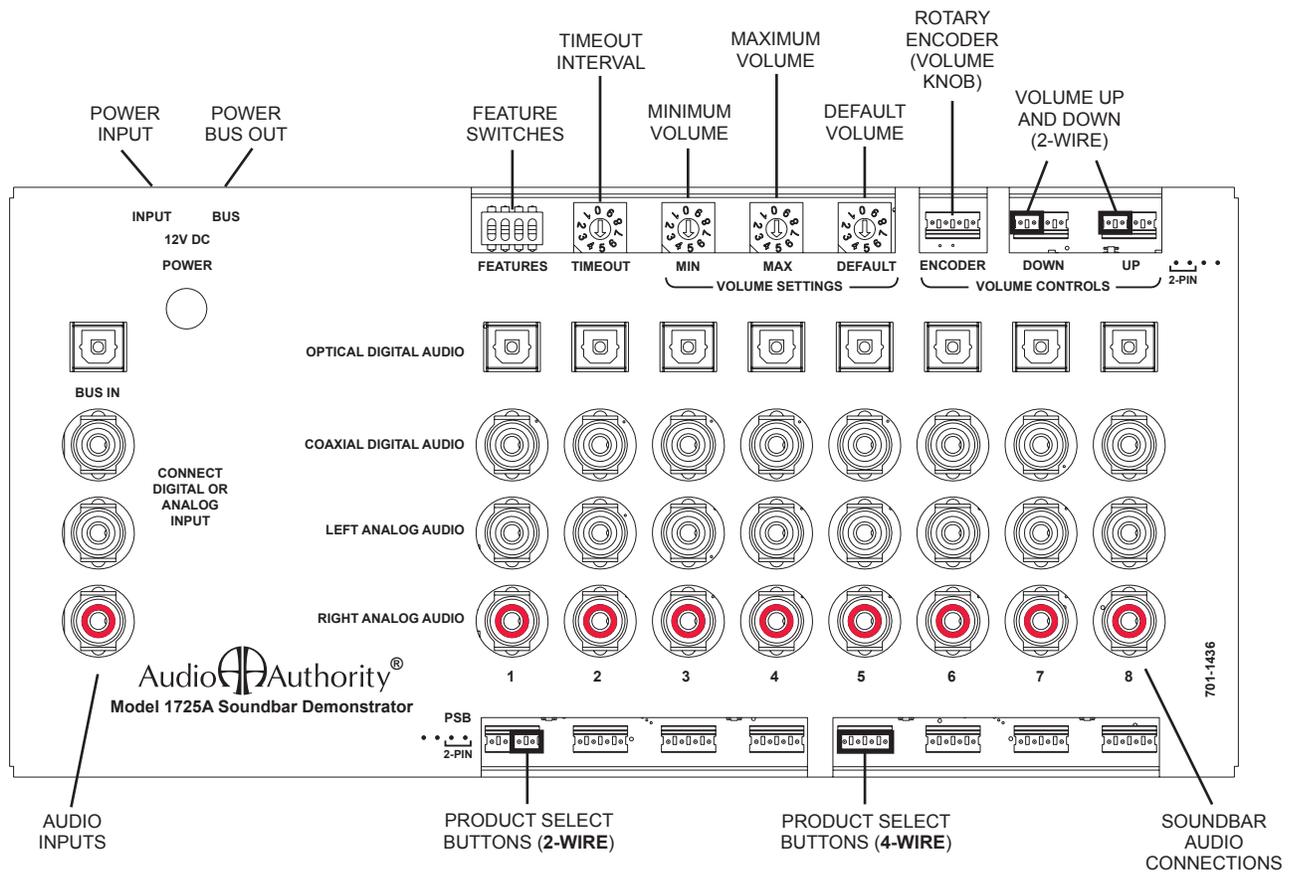
Audio Authority®

Model 1725A Soundbar Demonstrator Installation and Operation

Overview

The 1725A is a cost-effective, full-featured demonstration platform that employs the latest DSP technology to demonstrate soundbars in multiple configurations.

- Each module demonstrates up to eight soundbars; power may be bussed to additional 1725A modules
- Durable, illuminated Product Select Buttons (PSB) may be used to activate a demo (see PSB Details)
- Volume up/down buttons or rotary encoder knob may be used for master volume control
- A keep-awake feature prevents soundbars from entering sleep mode
- Adjustable default volume, minimum and maximum volume levels, and timeout interval
- Source input can be digital audio (**2-channel PCM**) or analog audio (normal mode)
- Optical, coaxial, and analog audio is simultaneously available to all output positions (normal mode)
- TV Sound Toggle Mode switches each position between TV sound and soundbar (analog vs. digital)



MODEL 1725A

Package Contents

Before installing this product, please check the packaging and make certain the following items are contained in the shipping carton:

- 1725A Soundbar Demonstrator
- DC Power Adapter
- User Manual

Note: Please retain the original packing material in case the unit must be returned. If you find any items are missing, contact Audio Authority® immediately Toll-Free at 800-322-8346. Have the model number and invoice available for reference when you call.

Designing Your System

The first step is to choose a presentation type:

- Presentation with multiple soundbars and one TV for video only
- TV sound “toggle” system: one TV paired with each soundbar (see *TV Sound Toggle Mode*)

The second step is to decide on the method of volume control and what, if any, volume settings are desired. If the 1725A volume control is *not* used, customers must use the individual volume controls on each soundbar. This method provides interaction with the product, but can introduce unexpected volume differences when switching between soundbars. If the 1725A volume control is used, it is best to disable soundbar controls, or install acrylic shields over the controls to prevent customer access to them.

PSB Details

Push-buttons are used to select each soundbar position, and optionally, to adjust volume. The 1725A is compatible with 2-wire or 4-wire switches. When using 2-wire switches, use the two pins on the right for PSB ports as shown in the diagram on page 2. For volume button ports, use the two pins on the left.

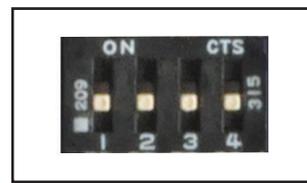
Demo Features

Keep Awake: Sends a short, inaudible tone to soundbars to prevent them from entering sleep mode. Set Feature Switch 1 and 2 as shown to disable or adjust the keep awake feature. If enabled, soundbar keep-awake operates any time all products are off, or if the timeout switch is set to 0 (never time out) then keep-awake operates constantly.

KEEP AWAKE SWITCH SETTINGS:

	1	2	3	4
Disabled	OFF	OFF	-	-
-40 dB	OFF	ON	-	-
-30 dB	ON	OFF	-	-
-20 dB	ON	ON	-	-

FEATURE SWITCHES



Attract Mode: The volume buttons blink when the demo is not active. Set Feature Switch 3 to the ON position to enable attract mode, OFF to disable.

ATTRACT MODE SWITCH SETTINGS:

1	2	3	4
-	-	ON	-

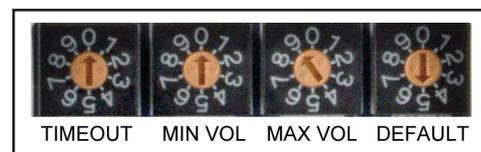
TV Sound Toggle Mode: Each product select button-press toggles its output between analog and digital audio. The first button-press activates the analog audio output (TV sound) and the second press toggles to the digital output (soundbar), etc. Set Feature Switch 4 to the ON position to enable TV Sound Toggle Mode, OFF to disable.

TV TOGGLE MODE SWITCH SETTINGS:

1	2	3	4
-	-	-	ON

Timeout Interval: At the end of the timeout interval (a period of inactivity), the volume control resets to the default level, all outputs are turned off, and attract mode begins (if enabled). Turn timeout OFF (set to 0) if the demo should play continuously. 0 = no timeout, 1 = 15 second timeout, 9 = 2.25 minute timeout.

ROTARY SWITCHES



Volume Limits and Default Volume

Min Vol and Max Vol dials may be adjusted from low (0) to high (9) volume level, allowing volume attenuation limits. 9 on the dial is equal to 0 dB (highest volume) while 0 is equal to -27 dB (lowest). Default selects the level of default volume at initial power up and between demonstrations.

Connecting the System

Product Connections (Normal Mode): Connect one audio type (analog, digital coax, or optical) at each 1725A soundbar output position to a soundbar input.

PSB: Connect a product select button to correct pins on associated PSB port for each active product.

Product Connections (TV Sound Toggle Mode): Connect a product select button to the associated PSB port. The source signals for TV Sound Toggle Mode should be Component Video and analog audio. HDMI source signals often cause problems with audio signal flow for TV sound vs. soundbar demonstrations.

Source Connection: Select digital coax, or optical for output to each soundbar, and connect analog audio at each position to a TV audio input. Connect an audio source (analog, digital coax, or optical) to the 1725A input. Source signal is available in all formats to soundbars and/or TVs.

Power

Connect 12V power supply (1A or greater) to Power Input. Connect the power Bus Out to another device, provided the power supply is large enough. The 1725A requires 600mA.

Operation

Normal Mode (Soundbar vs. Soundbar)

Apply power to the 1725A. The power LED lights and begins flashing to indicate that it is ready for operation. Press a product select button (PSB) to select an output. The selected channel passes optical, digital coax, and analog audio from the input device. Either type of audio signal, analog or 2-channel PCM digital, is converted so that all outputs are driven.

Select other product positions, or press the button of a selected product to turn it off.



Push-buttons may be used to adjust volume and select soundbars. They are available in several styles and colors; pictured left is a stainless steel 4-conductor button illuminated with red LED ring.



The 1794 (knob sold separately) Rotary Control knob rotates to control volume level; pictured left is a 1794 with optional black anodized finish knob.

Volume Buttons: Press and hold volume up or down button in order to adjust the volume level while a product is selected.

Volume Knob: Use a 1794 rotary control to rotate clockwise to turn the volume up and counterclockwise to turn the volume down.

If a selected product times out or is turned off, the system's volume resets to the default volume levels.

TV Sound Toggle Mode

Same as Normal Mode with the following differences:

Press a product select button and analog audio is passed to the TV speakers first, and then with the next button press, digital audio is passed to the soundbar at the same position. Press the button again, and the analog audio plays through the TV, etc. Toggle mode does not allow a position to be turned off. Timeout (if enabled) turns all positions off.

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