

Instructions

Model 1710A

Headphone Demonstration Switching Amplifier



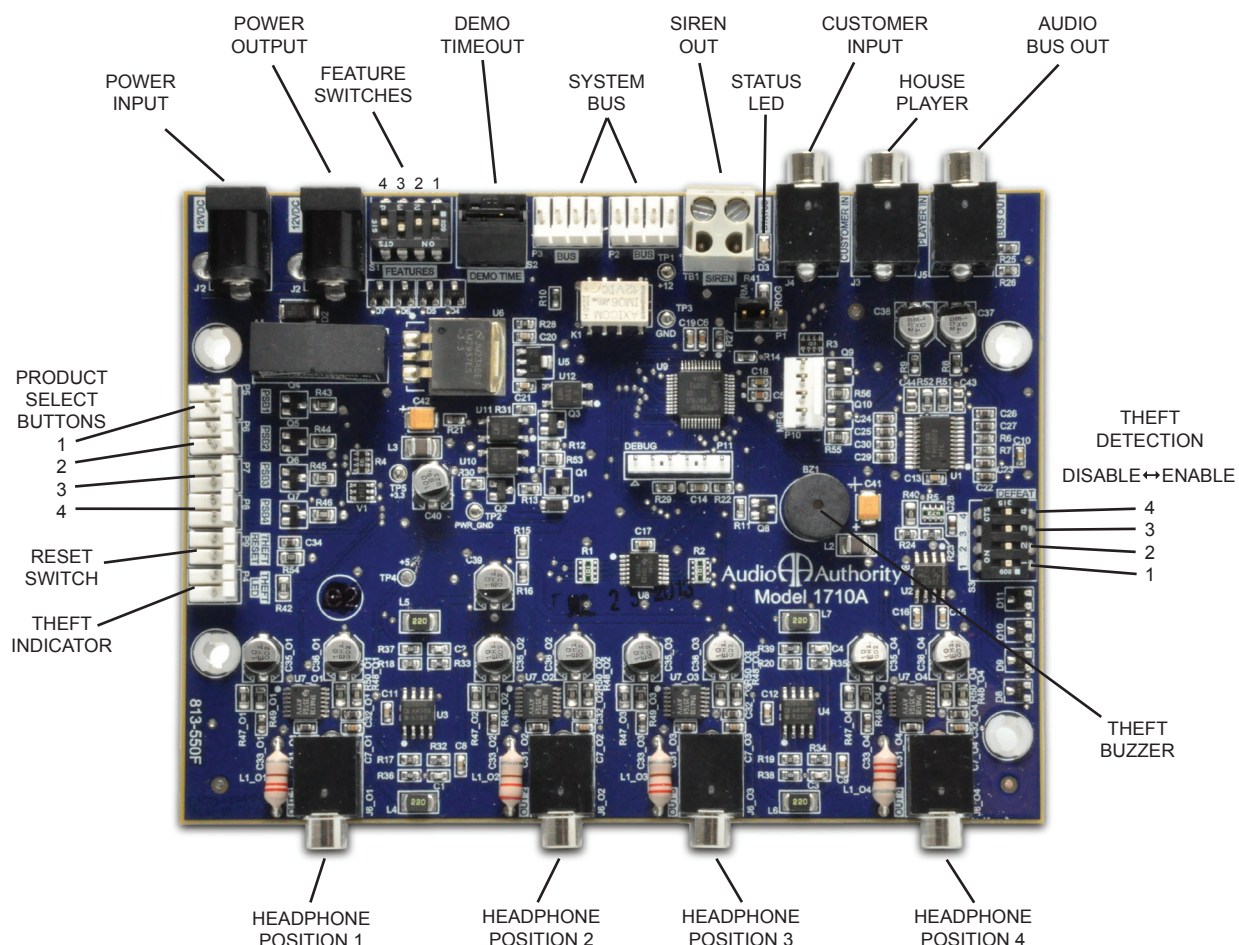
Model 1710A shown with optional cover.

Audio Authority®

Introduction

The 1710A is designed to provide high fidelity amplification and theft detection for premium headphones, and/or manual switching for self service retail demonstration. The 1710A has several options that govern the behavior of the headphone demonstration. In distribution mode (see table on page 4), all outputs are active all the time. In switching mode, only one of the four outputs may be active at any time. Larger switching systems, linked by system bus and audio patch cords, can either allow one live position on each 1710A, or the entire system can be limited to one active position at a time (see feature switch settings).

1710AN pictured
(Model 1710A includes
the steel cover)



Visit www.audioauthority.com/demobeat for tips and application diagrams.

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Package Contents

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

- 1710A Headphone 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. Have the Model Number and Invoice available for reference when you call.

Features

- High quality headphone amplification
- Switching or distribution behavior
- Adjustable demonstration timeout in switching mode
- Automatic selection of customer audio source when connected
- Theft detection and integral alarm
- Multiple units can easily be connected together for any size system

Audio Sources and Customer Auto Demo

Connect a music player to the PLAYER input jack as the default audio source. If desired, provide a 3.5mm cord connected to the CUSTOMER input so that customers may use their own music players to demonstrate headphones. When audio is detected on the CUSTOMER input jack, the customer audio is selected as the audio source. If no audio is detected on the CUSTOMER input for 7.5 seconds, the 1710A switches back to the PLAYER input.

Bus Out

The bus output feeds the currently selected audio input (player or customer) to more 1710A modules or other audio devices in the system. Connect a 3.5mm patch cord from the first 1710A bus output to the second 1710A player input, etc. One linked system sharing a house player also must share one customer input (do not use any customer inputs besides the first 1710A).

System Bus

System Bus is a four-conductor cable that allows multiple 1710A modules to be connected and communicate with each other. They can coordinate current product selection as well as alarm signals and alarm reset (see Theft Detection on page 4).

Button (PSB) Ports

In switching mode, customers can activate one product at a time using a two-wire momentary switch. Connect a switch for each corresponding product. The LED in the switch illuminates during the demonstration. Buttons are not used in distribution mode.

Theft Detection

1710A theft detection is compatible with most headphone models, including models with active circuitry such as noise cancelling. Activate theft detection using feature switch #3. The 1710A can detect most devices when connected directly to the 1710A. If not, you must connect the product through an Audio Authority extension cable. All devices should be tested for proper detection behavior upon installation. If detection does not work for a particular device, disable detection for that port using the Theft Detection switches.

Attach a reset switch (contact closure) to reset the alarm. We recommend that a remote theft indicator light should be installed in clear view of customers. The blinking LED is a deterrent, warning that theft detection is active. The on-board buzzer sounds if it detects an unauthorized removal, but if a louder alarm is desired, the external siren port can power a 12VDC siren.

When active, the theft indicator blinks and the 1710A detects the headphones that are connected, and triggers the alarm if one is removed. The theft indicator light connected to the 1710A where the stolen headphones were connected shines solid until the alarm is reset.

When headphones must be connected and disconnected, turn on the siren reset switch, make product changes, and turn the switch off again. The theft indicator LED(s) turn off when the reset switch is on. Only one reset switch is needed per system; reset status is communicated to all other modules that are connected via System Bus.

Timeout Interval

In switching mode, a demo timer is initiated each time a customer selects a product output to audition. The demonstration length is set by the timeout switch, in increments of 15 seconds. If the timeout switch is set to 0, then the demonstration does not time out.

Feature Switch Settings

Switch	Off (up position)	On (down position)
1	Gain = 0dB	Gain = 6dB
2	One active product per board	One active product per system
3	Theft detection off	Theft detection on
4	Switcher mode (one on)	Distribution mode (all on)

Operation

On power up, the status light blinks to show normal operation, and selector buttons are lit. When customer audio is playing, the Status light blinks rapidly.