User Manual

Model 1710
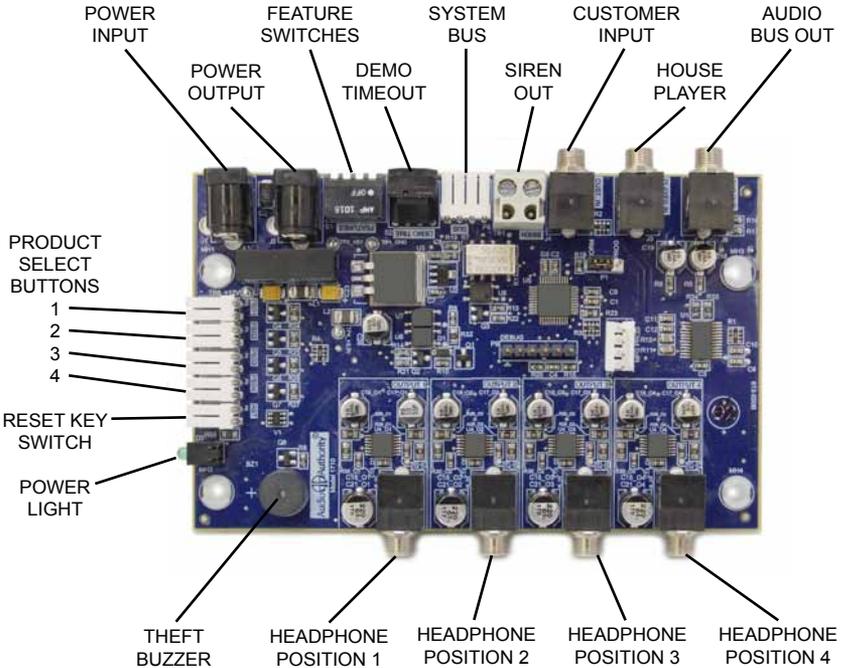## Headphone Demonstration
Switching Amplifier

Shown with optional cover.

Audio AA Authority®

Introduction

The 1710 is designed to provide high fidelity amplification for premium headphones, and manual switching for self service retail demonstration. The 1710 has several options that govern the behavior of the headphone demonstration. Generally, only one of the four outputs may be active at any time. Larger systems, linked by system bus and audio patch cords, can either allow one live position on each 1710, or the entire system can be limited to one active position at a time (see feature switch settings). This configuration may be desired for very compact displays, but multiple selling stations are often preferred.

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

Liability Statement

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

- 1710 Headphone Switching Amplifier
- 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
- 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 1710 switches back to the PLAYER input.

Bus Out

The bus output feeds the currently selected audio input (player or customer) to more 1710 modules or other audio devices in the system. Connect a 3.5mm patch cord from the first 1710 bus output to the second 1710 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 1710).

System Bus

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

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 (if present) illuminates during the demonstration.

Theft Detection

The 1710 can detect the headphones that are connected at boot. The on-board buzzer will sound if one is removed. If a louder alarm is desired, the external siren port can power a 12VDC siren when a theft is detected.

When headphones must be connected and disconnected, insert and turn on the siren reset key, make product changes, and turn the key off again. Only one key is needed per system; reset status is communicated to all other modules that are connected via System Bus.

Timeout Switch

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	1 active product per board	1 active product per system
3	Theft detection off	Theft detection on
4	Switcher mode	Amplifier mode

Operation

On initial power up, the system initializes and detects connected headphones. This takes approximately 20 seconds (power light is lit). When the power light is flashing the system is ready for use.