User Manual

Model 1710 and 1710N
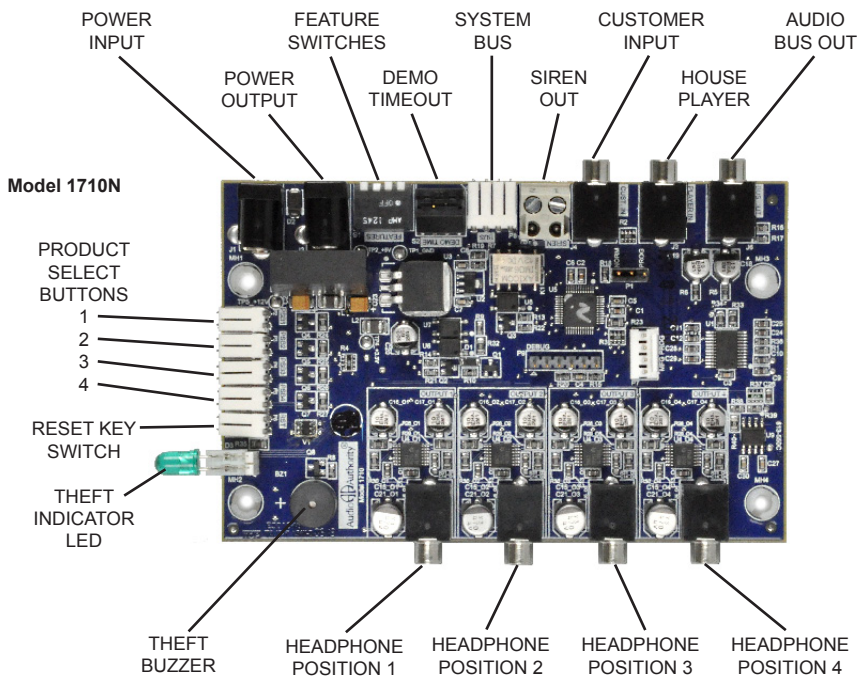## Headphone Demonstrator

Model 1710

Audio Authority®

Model 1710 and 1710N Headphone Demonstrator

The 1710 (with steel case) and 1710N (without case) are designed to provide high fidelity amplification for premium headphones, and/or manual switching for self service retail demonstration. The 1710 can operate in distribution mode (all outputs are active all the time) Or 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 1710, or the entire system can be limited to one active position at a time (see feature switch settings). Other features are detailed on page 3 and 4.

Model 1710N

Labels: POWER INPUT, POWER OUTPUT, FEATURE SWITCHES, DEMO TIMEOUT, SYSTEM BUS, SIREN OUT, CUSTOMER INPUT, HOUSE PLAYER, AUDIO BUS OUT, PRODUCT SELECT BUTTONS 1 2 3 4, RESET KEY SWITCH, THEFT INDICATOR LED, THEFT BUZZER, HEADPHONE POSITION 1, HEADPHONE POSITION 2, HEADPHONE POSITION 3, HEADPHONE POSITION 4

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

Liability Statement

Every effort has been made to ensure that this product is free of defects. Audio Authority cannot be held liable for the use of this hardware or any direct or indirect consequential damages arising from its use. It is the responsibility of the user of the hardware to check that it is suitable for his/her requirements and that it is installed correctly. All rights reserved. No parts of this manual may be reproduced or transmitted by any form or means electronic or mechanical, including photocopying, recording or by any information storage or retrieval system without the written consent of the publisher.

Audio Authority reserves the right to revise any of its hardware and software following its policy to modify and/or improve its products where necessary or desirable. This statement does not affect the legal rights of the user in any way.

All third party trademarks and copyrights are recognized. The Audio Authority logo and Double A logo are the registered Trademarks of Audio Authority. All other trademarks are the property of their respective holders.

Package Contents

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

- 1710 or 1710N 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
- 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 illuminates during the demonstration. Buttons are not used in distribution mode.

Theft Detection

Note: 1710 theft detection is compatible with most headphone models, excluding headphones with active circuitry such as noise cancelling.

Activate theft detection using feature switch #3. Attach a reset key switch or other secure switch to deactivate theft detection. Attach a remote theft indicator and install it 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 1710 detects the headphones that are connected, and triggers the alarm if one is removed. The theft indicator light connected to the 1710 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.