

Installation Manual

Model 1830
Bluetooth® Headphone Demonstrator



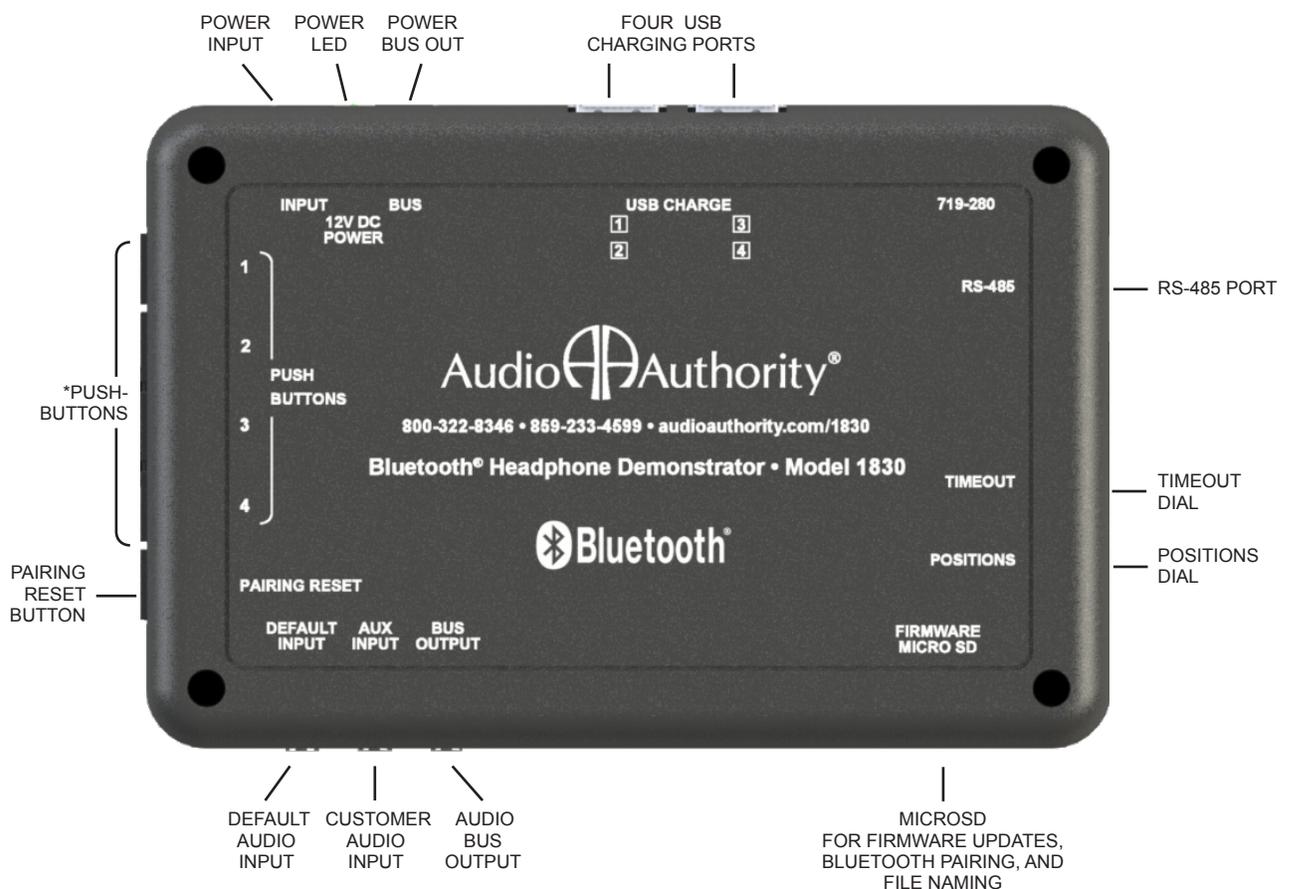
Audio  Authority®

Introduction

The Audio Authority® Model 1830 is designed to provide wireless audio and charging for Bluetooth® headphones in retail demonstrations. Only one of the three outputs may be active at any one time. Audio may be shared by devices such as the Model 1715 via the Bus Output. To prevent interference, place the 1830 beyond the range of other Bluetooth devices. Customer input via Bluetooth or 3.5mm cable overrides default audio source.

Features

- Demonstrates up to three pairs of headphones via Bluetooth.
- Automatic customer audio input via Bluetooth or 3.5mm cable.
- USB charge ports for after-hours recharging.
- Timeout feature returns the demo system to silent attract mode after an idle period.
- Backup battery (replaceable 9 volt) maintains Bluetooth pairings in case of power loss.



(*Push-buttons 1-3 select headphone outputs)

Connections

Audio Sources and Customer Auto Demo

Connect a professional media player, such as the Model 1703 or Audio Authority Media Hub, to the Default Audio Input. If desired, provide a 3.5mm cord connected to the Aux Input so that customers may connect their own music players. Use signage to prompt customers to connect their personal music player, or pair a Bluetooth device to use it as the demo music source; the 1830 automatically switches to the customer's device. Bluetooth takes priority even if other audio sources are connected.

Audio Bus Out

Connect a 3.5mm patch cord from the 1830 bus output to the desired device, such as a wired headphone demonstrator. It is not recommended to place more than one 1830 within Bluetooth range, because of possible interference. The bus output shares the active audio input with other audio devices in the system.

Push-Button (PSB) Ports

Customers can activate one product at a time using the Easy Plug RJ9 push-button (sold separately). Connect a button for each pair of headphones 1-3. The LED in the button blinks during the demonstration. Port 4 is not used in standard applications.



EASY PLUG RJ9
BUTTONS ARE AVAILABLE
IN MANY COLORS.

Pairing Reset Switch

Connect an Easy Plug push-button to the Pairing Reset port on the 1830. You may wish to hide this button from customer view. This button resets all Bluetooth pairings, useful when rotating stock or replacing items. Follow the instructions for 'Pairing the Headphones' below.

12V DC Power Input

Connect a 12V power adapter to Power Input. The power Bus Out may be connected to another device, provided the power supply is capable of running both devices.

RS-485 Port

The 1830 product positions may be activated using a TouchSelect panel connected via RS-485. TouchSelect buttons 1-4 function like PSBs for pairing, and blink when a position is selected.

USB Charge Ports

At the end of each day, connect headphones to the USB ports. The headphones charge in preparation for the next day's demonstrations (*see manufacturer's charging guidelines*). USB charging: 5V DC @ 300mA maximum.

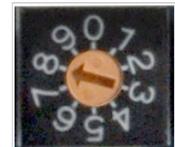


4 USB CHARGE PORTS

Setup

Timeout Interval

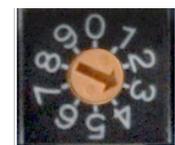
The demo timer is initiated each time a customer selects a product to audition. The demonstration length is set by the timeout switch, in 15 second increments. 0 disables the automatic demonstration timeout feature and is used for testing only. Cycle 1830 power after making changes to the dial. For pairing a customer's Bluetooth music player, use a Timeout Interval setting of 2 (30 seconds) or greater to allow for pairing.



TIMEOUT DIAL

Positions

Up to three USB headphone positions may be paired to the 1830; set this dial according to the number of active positions, 1, 2, or 3. Cycle power to the 1830 for a minimum of 5 seconds after making changes to the dials.



POSITIONS DIAL

Battery Backup

The 1830 uses an onboard 9V battery and a microSD card for a soft shutdown to maintain Bluetooth pairings in the event the display loses power. Once power is reapplied, the 1830 reconnects the headphone pairings (assuming that the headphones are charged and powered on). In the event they are not, follow the 'Pairing the Headphones' instructions below.

Pairing the Headphones

Before powering the 1830 for the first time, make sure the headphones are charged, but powered off (*see manufacturer's documentation*), and not connected to the USB charging ports. Apply power to the 1830; all PSBs blink rapidly when initializing. After the boot cycle is complete, PSB 1 blinks slowly indicating the 1830 is waiting for headphone position 1 to be paired. Press the pairing button on the first pair of headphones to establish a link. The PSB lights solid to confirm the pairing. The next PSB blinks slowly, ready for pairing. Repeat the process to set up the remaining headphones.

Operation

The demo push-buttons are constantly lit in attract mode. When the demonstration is active, the selected push-button blinks. Select other product positions, or press the button of a selected product to turn it off. Connect a music player via 3.5mm cable or pair it via Bluetooth (Bluetooth takes priority).

Daily Maintenance

Keep the 1830 powered on so that the headphones may be charged. At closing time do the following:

- Turn off the headphones, and connect them to their USB charging cables.
- Allow the headphones to charge overnight (*observe manufacturer's charging guidelines*).

In the morning do the following:

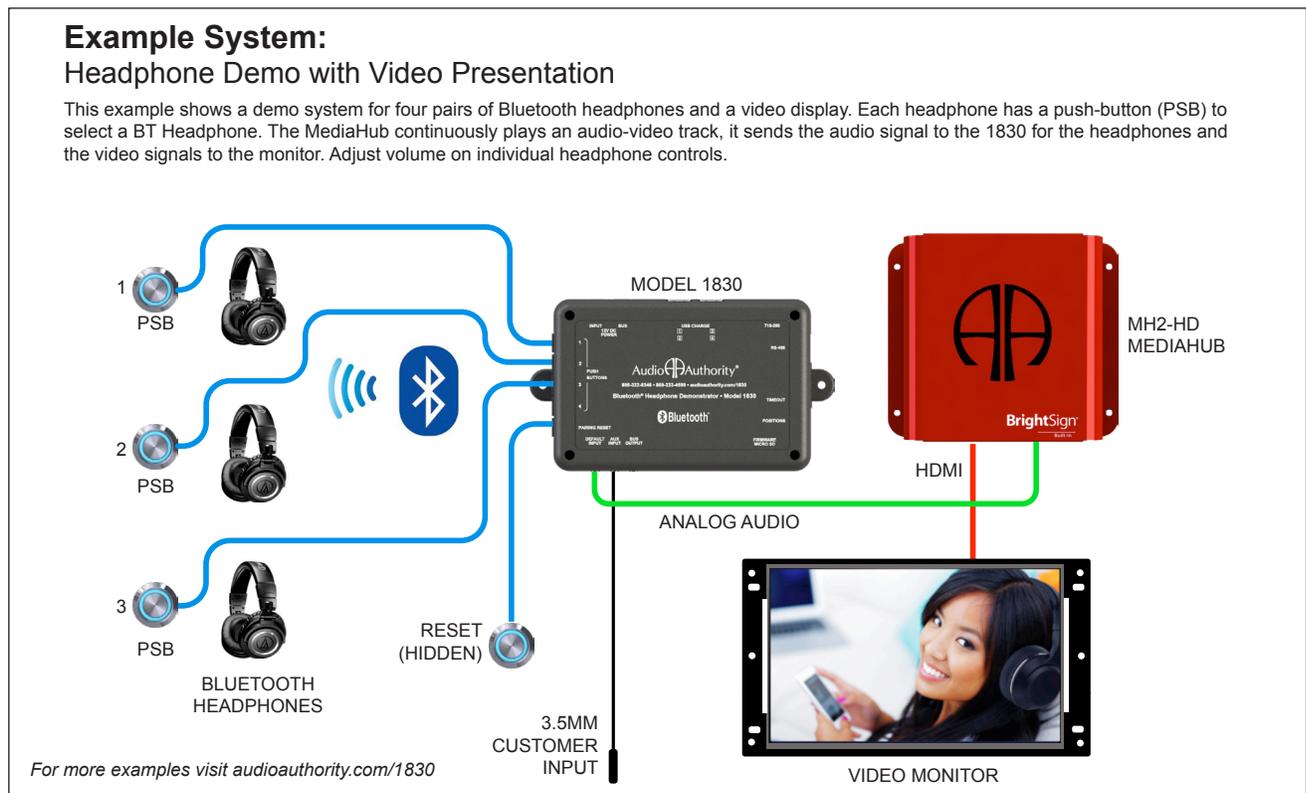
- Disconnect the headphones from their charging cables and power them ON.
- Wait 10 seconds for the headphones to automatically reconnect.
- Select each position to confirm operation; if any headphone does not play, cycle power to the 1830. The 1830 will attempt to pair again. If this fails see *Pairing the Headphones* on page 3.

When rotating stock, use the pairing reset button instead of cycling power.

Firmware Update

Copy firmware updates to a microSD card. Remove power to 1830, eject original microSD card and insert firmware update microSD card. Apply power; the power LED blinks rapidly to indicate update in process. When blinking stops, remove power. Re-insert original microSD card, apply power, and pair Bluetooth headphones.

NOTE: The microSD card must remain in the slot during normal operation.



Audio  Authority®

2048 Mercer Road, Lexington, Kentucky 40511-1071
800-322-8346 • 859-233-4599 • Fax: 859-233-4510
www.audioauthority.com • support@audioauthority.com