

# User Manual

## Model 1818 Serial Switch Controller



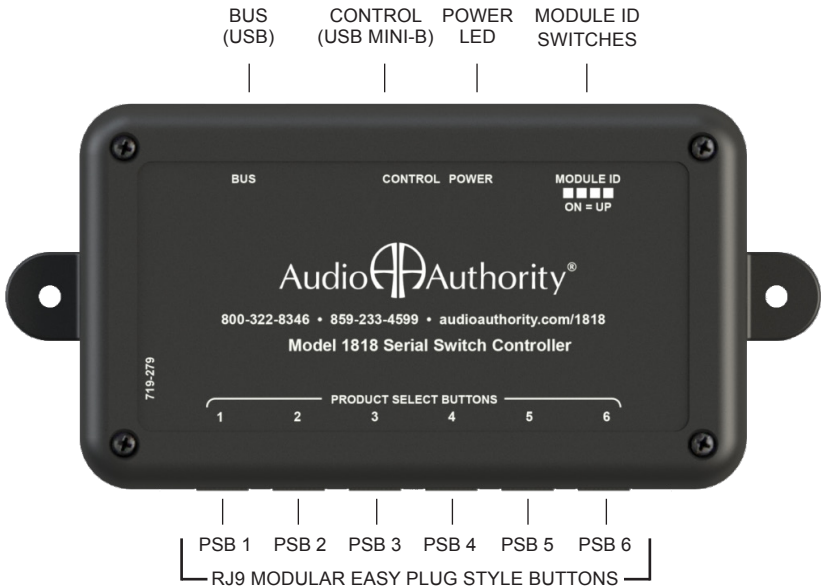
Audio  Authority®

# Model 1818 Serial Switch Controller

The Audio Authority® 1818 Serial Switch Controller provides a flexible way to control a compatible media player, such as a BrightSign® Model LS423 using illuminated push-buttons. Each 1818 controls six push-buttons and may be expanded to 96 positions. Push-buttons may be used for product selection or other commands (*see page 4*).



COMPATIBLE WITH  
BRIGHTSIGN® MEDIA  
PLAYERS



## Button Control Functions

Demonstration is controlled by Easy Plug push-buttons. Push-button behavior such as LED blink, LED lit solid etc. are assigned by serial commands to each button press (*see page 4*). Push-buttons are available in several colors.



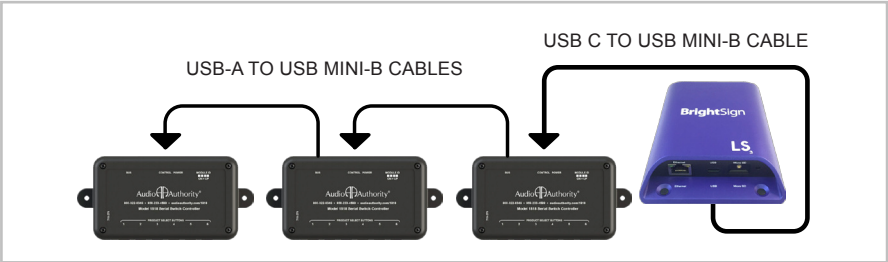
Model 013-100 Easy Plug Push-Button with  
RJ9 connector.

Control Serial Port (USB Mini-B)

The USB Mini-B port connects to any compatible USB device at a 9600 Baud rate.

USB Communication Bus

The USB communication pathway links multiple 1818 modules (see Module ID below).



Three 1818 units linked to host player.

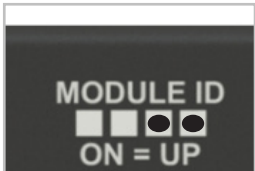
Power

The 1818 is powered from the host device via USB cable connected to the USB Mini-B port marked Control.

Module ID Switches

The Module ID switches 1-4 are off by default (UNIT 1). To set the Module ID for more than one 1818, follow the chart below and mark the case as shown.

| SWITCH  | 1   | 2   | 3   | 4   |
|---------|-----|-----|-----|-----|
| UNIT 1  | OFF | OFF | OFF | OFF |
| UNIT 2  | OFF | OFF | OFF | ON  |
| UNIT 3  | OFF | OFF | ON  | OFF |
| UNIT 4  | OFF | OFF | ON  | ON  |
| UNIT 5  | OFF | ON  | OFF | OFF |
| UNIT 6  | OFF | ON  | OFF | ON  |
| UNIT 7  | OFF | ON  | ON  | OFF |
| UNIT 8  | OFF | ON  | ON  | ON  |
| UNIT 9  | ON  | OFF | OFF | OFF |
| UNIT 10 | ON  | OFF | OFF | ON  |
| UNIT 11 | ON  | OFF | ON  | OFF |
| UNIT 12 | ON  | OFF | ON  | ON  |
| UNIT 13 | ON  | ON  | OFF | OFF |
| UNIT 14 | ON  | ON  | OFF | ON  |
| UNIT 15 | ON  | ON  | ON  | OFF |
| UNIT 16 | ON  | ON  | ON  | ON  |



Address for unit 4 marked on the case.

## Serial Commands

| STRUCTURE   | EXAMPLE         | RESULT                                          |
|-------------|-----------------|-------------------------------------------------|
| [PRESS#_#]  | [PRESS1_1]      | Notify Main Controller PSB 1 pressed on unit 1. |
| [RELEASE#]  | [RELEASE1]      | Notify Main Controller released on unit 1.      |
| [BLINK#_#]  | [BLINK10_3,5,6] | Blink selected PSB positions on unit 10.        |
| [LEDON#_#]  | [LEDON2_1,3,7]  | Activate selected LEDs on unit 2.               |
| [LEDOFF#_#] | [LEDOFF2_1,3,7] | Deactivate selected LEDs on unit 2.             |

## Installation

- Attach the player and the 1818 modules to a flat surface with the screws provided.
- Connect push-buttons. Push-buttons should be EasyPlug (RJ9) momentary switches.
- Connect multiple 1818 modules via USB-A using the Bus ports.
- Set the Module ID switches and mark the case for identity.
- Connect the USB Mini-B cable from one 1818 to a compatible media player.
- Program the player for desired button behavior.
- Call Audio Authority with questions that are not addressed in this manual.



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

752-736  
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