# User Manual

## Model 1810
### RS-232 to CEC Adapter



Audio⊕Authority®

## Introduction

The Model 1810 is designed to translate serial commands to CEC commands for control of devices such as televisions, soundbars, and receivers. It may be connected directly to the HDMI input of any device, or it may be connected to multiple devices via a compatible HDMI distribution amplifier that passes CEC commands.

SERIAL
CONNECTION

5V POWER

HDMI
CONNECTION

POWER                    719-269B

**Serial to CEC Adapter**
**Model 1810**

RS-232                        CEC

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## Connections

The adapter reqires an RJ-45 to null modem cable (included) to connect to the serial output device.  Any good quality HDMI cable is adequate for connection to HDMI devices. Keep cable lengths as short as possible.

Power is provided via a 5V DC adapter (included) with a micro USB connector.

# Commands

RS-232 CEC Commands (9600 baud) all begin with "CEC", followed by the hexadecimal CEC command, all commands should be appended with a carriage return <CR>. You may use this CEC command builder/translator (http://www.cec-o-matic.com/) to generate the hexadecimal CEC commands.

**Example Commands**

| Command | Example |
|---|---|
| Receiver/Soundbar Volume Up | CEC05:44:41 |
| TV Power On | CEC10:04 |
| TV Power On | CEC10:0D |
| TV Power On | CEC10:44:40 |
| TV Power On | CEC10:44:6D |
| All Devices Standby | CEC1F:36 |

Notice that there are multiple commands for Power On. Some devices accept certain commands, some devices accept all forms. To request status updates from CEC devices, send queries as shown. Responses return as CEC Hex Commands.

**Example Queries**

| Query | Response |
|---|---|
| Request Soundbar Power Status | CEC05:8F |
| Soundbar Power Status is On | 50:90:00 |

# Troubleshooting

• Check for loose or damaged cables. Use strain relief where appropriate.

• Make certain that each HDMI device has CEC activated.

If you experience difficulties, call Audio Authority Support at 800-322-8346 M-F 8:30 AM to 5:00 PM EDT.

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