

# RS-232 Level Shift Board

ID# 15357



**Operation Manual**

## Introduction

This bespoke RS-232 Level Shift Board is designed to adjust control commands between PCs and control devices, including TV Wall systems. The PC protocol is converted so that it is readable by the control device to ensure it executes the exact command action.

## Features

- Baud Rate testing
- RS-232 command configuration

## Applications

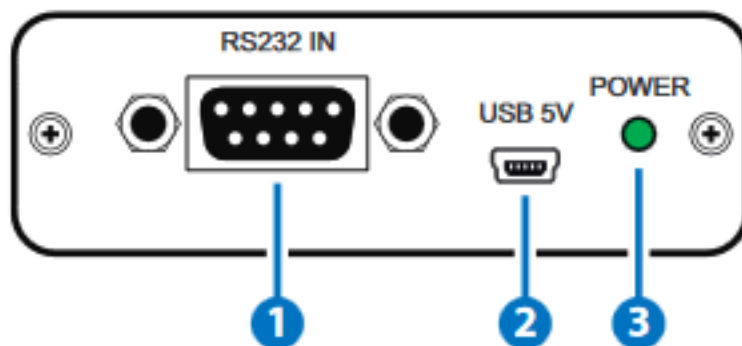
- TV wall control for Video Wall Controller ID #902 Processor and LED Video Wall Panel ID#871.

## System Requirements

Source equipment such as a PC/Notebook and output to TV wall system.

## Operating Functions and Controls

### Front Views



#### 1. RS232 IN

Connect to a PC/laptop or any RS-232 command system with a D-Sub 9-pin male null cable to send RS-232 commands to the control device.

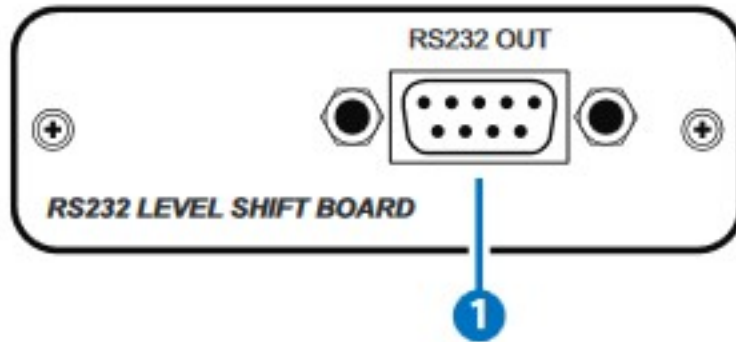
#### 2. USB 5V

Connect the USB cable (included in the package) to a PC/laptop or any USB supported power adaptor to supply power to the device.

### 3. POWER

This LED will illuminate when the device is connected to an active power supply.

#### Rear Views



#### 1. RS232 OUT

Connect to the RS-232 equipped device to be controlled with a D-Sub 9pin female null cable.

#### RS-232 Protocols

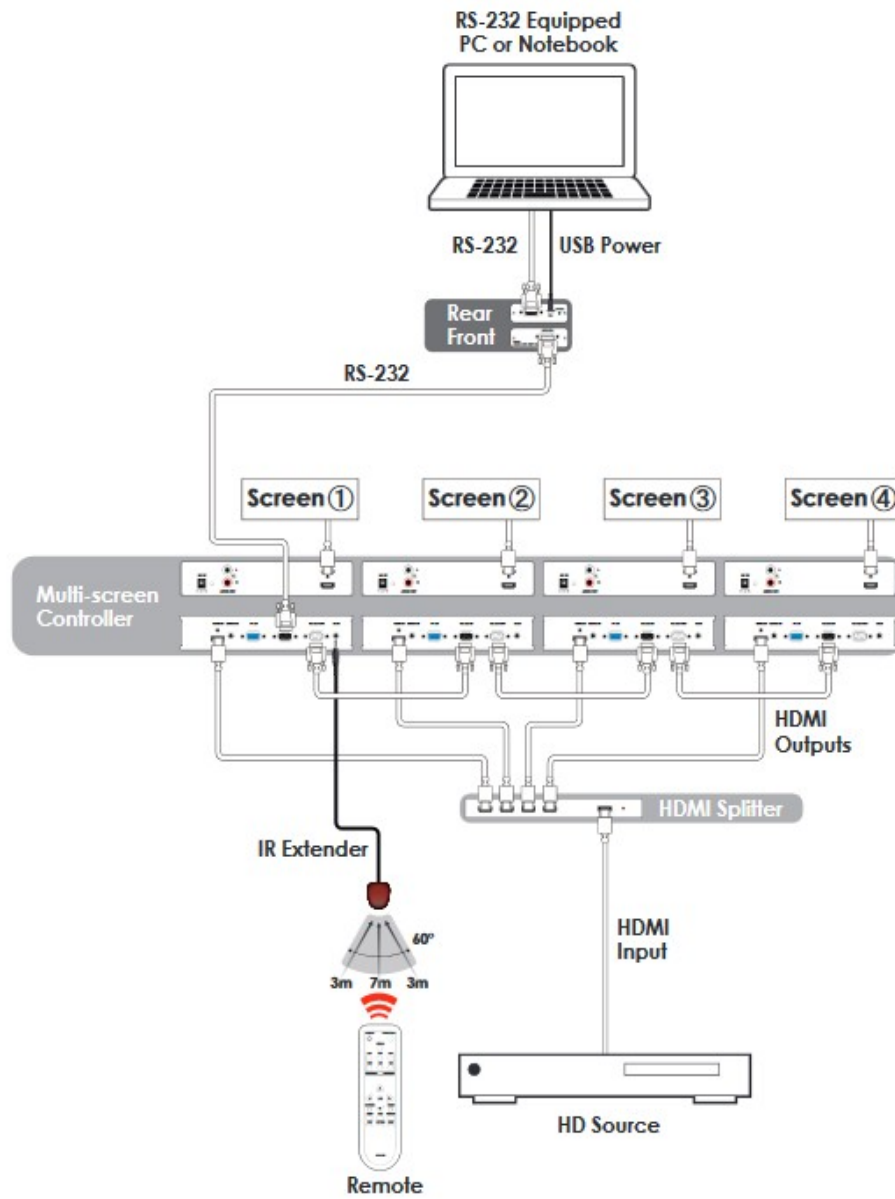
INPUT	
PIN	Definition
1	NC
2	TxD
3	RxD
4	NC
5	GND
6	NC
7	Connect to Pin 8
8	Connect to Pin 7
9	NC



OUTPUT	
PIN	Definition
1	NC
2	TxD
3	RxD
4	NC
5	GND
6	NC
7	Connect to Pin 8
8	Connect to Pin 7
9	NC

Baud Rate: 110bps~921600bps  
Data Bit: 8 bits  
Parity: None  
Flow Control: None  
Stop Bit: 1

# Connection Diagram



## Specifications

Baud Rate	110 bps~921, 600 bps
Input Port	D-Sub 9-pin (Female)
Output Port	D-Sub 9-pin (Male)
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Power Supply	USB bus power or USB to DC power supply
Dimensions	71mm (W)×81.5mm (D)×23mm(H)
Weight	110g
Chassis Material	Aluminum
Silkscreen Color	Black
Operating Temperature	Operating from 0 °C ~ 40 °C
Storage Temperature	-20 °C ~ 60 °C / -4 °F ~ 140 °F
Relative Humidity	20 ~ 90 % RH (non-condensing)
Power Consumption	2.5W (Max.)