# Extron MLS 100 A Media Link Switcher RS232 Integration Note

| Manufacturer: | Extron |
|---|---|
| **Model Number(s):** | **MLS 100 A Media Link Switcher** |
| **g! Core Module Version:** | 8.2 Build 650.2 Rel |
| **Driver Developer:** | Cinemation, Inc. |
| Document Revision Date: | 11/26/2018 |

## Overview & Supported Features

Extron MLS 100 Media Link Switcher is Single Zone, 4 Source stereo audio switcher with a mix/mic input. Refer to the Extron installation manual for more detailed information.  <u>Click here for manual</u>

**THE FOLLOWING OPTIONS ARE SUPPORTED BY EXTRON MLS 100 MEDIA LINK SWITCHER DRIVER:**

- Volume & Mute Control
- Source Selection
- Input Gain control for the 4 main sources with text

**THE FOLLOWING OPTIONS** are not supported by Extron MLS 100 Media Link Switcher driver:

- Bass & Treble is not available from this device

Any feature not specifically noted as supported should be assumed to be unsupported.
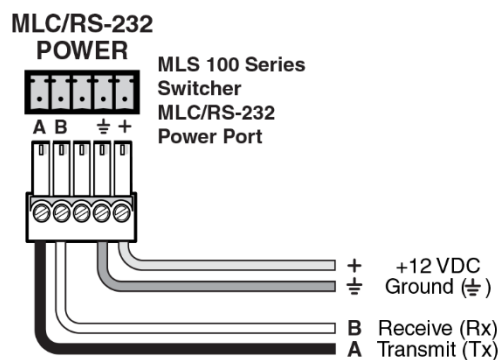
## Driver Revision History:

- 1.0.0   -        Initial Rollout

## Extron Set Up & Configuration

- **THE MLS 100 MEDIA LINK SWITCHER USES CAPTIVE SCREW TERMINAL CONNECTOR FOR THE RS-232 CONNECTION. RS-232 'GND' & POWER GROUND ARE SHARED.**
  - Follow the ELAN RS-232 pin-out chart below. You will only need to use pin 4,5 &6.
  - This device will work 'out of the box'

*RS-232 wiring pin-outs are as follows:*

| RS-232 Port Pin # | 568A Color Code | 568B Color Code | Function |
|---|---|---|---|
| 1 | White/Green | White/Orange | N/C |
| 2 | Green | Orange | DCD |
| 3 | White/Orange | White/Green | DTR |
| 4 | Blue | Blue | GND |
| 5 | White/Blue | White/Blue | RXD |
| 6 | Orange | Green | TXD |
| 7 | White/Brown | White/Brown | CTS |
| 8 | Brown | Brown | RTS |

**MLC/RS-232 POWER**

MLS 100 Series Switcher MLC/RS-232 Power Port

A B ⏚ +

+ +12 VDC
⏚ Ground (⏚)
B Receive (Rx)
A Transmit (Tx)

The MLS 100 A RS-232 & Power, 5-Pole captive screw connector's pin assignments are shown on the left.

***MLC/RS-232 Power port pin assignments***

# g! Configuration

A Standard Serial Port connection will be necessary to use this driver.

# Installation Process

With 3rd party drivers, these are not in the driver list from the factory, but are plug-ins. To add the one for Extron MLS 100 Media Link Switcher RS232:

1. Download the .EDRVC file

2. Place this file in a folder on your PC

3. In the configurator, navigate to the Media tab

4. Select "Sources", and select "Add New Generic Media Source…"

5. Select search folder, and navigate to the folder in which the driver is located on your PC.

NOTE: It is good to note that once selected, the configurator will always look to this folder for 3rd party drivers so in best practice you should create a folder in which you keep all of your 3rd party drivers in.

NOTE: If you have already set your folder previously and your driver is in said folder (as it should be if you read the above note then the driver will already be in the populated list for you to select from.)

6. Select 'Extron MLS 100 Media Link Switcher' from the device type list.

7. The driver should now be loaded into the configurator.
    A. Add a Communication Device, 'Standard Connection', for RS-232
    B. Be sure the communication device is associated with the Extron MLS 100 Media Link Switcher.

## COMMON MISTAKES

1. Wrong pin-out on custom made cables.  Check the the *Tx, Rx & GND* on both the unit and RJ45 connector.

2. Use caution using category cable with solid conductors for the RS-232. They tend to break easily and lose connection.  Recommend using a 'Pre-made' Cat-5 or Cat-6 with stranded conductors and cutting one end.  Strip the appropriate colors and terminate to the screw terminals.

## ELAN DEVELOPER PARTNER INFORMATION

This ELAN driver was written and supported by:

elan@cinemationinc.com