



I. Driver Features

1. Command Format

This device is controlled through a combination of RS-232 and IR commands; both are necessary for full control of the device.

2. RS-232 Commands

IR Commands

Power On	Menu	Adj Up
Power Off	Adjust Right	Adj Down
Volume Up	Adjust Left	Auto Image
Volume Down	Enter	
Source: Video	Fine Sync Up	
Source: Computer 1	Fine Sync Down	
Source: Computer 2	Zoom	
Normal	Focus	

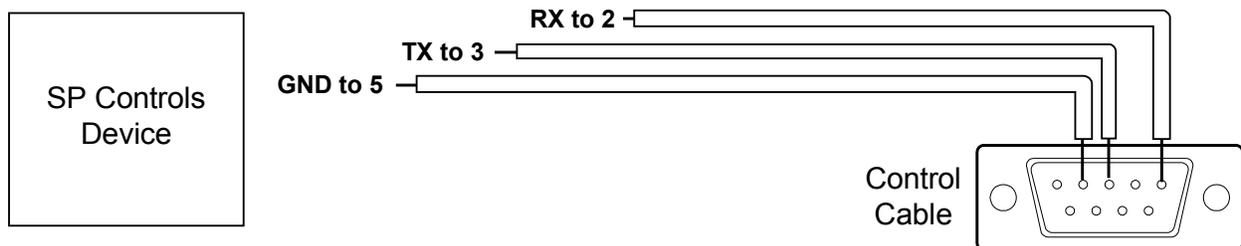
3. Other Driver Features

Default Power Status Feedback: Power Current Sensor or None
Projector Restart Lockout Timer (Default): 75 Seconds

II. RS-232 Control Wiring

For IR wiring, see product manual for the SP Controls device.

Control of this projector requires use of the serial adapter cable included with the projector. Wire RS-232 control to a male DB9 as follows:



Connect male DB9 to the **adapter cable included with the Boxlight** and connect to the projector port labeled *CONTROL PORT 2*.

Serial Adapters (for NRC only): Converter A and B

III. Projector Configuration

(December 2003) We have had reports from the field that under certain conditions, projectors from the original production run of the Boxlight MP-35t stop accepting control via the RS-232 port. While we have been unable to test for this problem ourselves, it appears that this problem is a continuation of the one we diagnosed in the Sanyo PLC-9000N series.

The only known solution to this problem is to physically power cycle these projectors. Control **cannot** be reestablished in this case by using the remote to "power off"; someone **must** shut off the projector using the power switch labeled **MAIN SW** on the projector itself.

We believe that **unless their firmware is patched, control will eventually fail** at every installation from the original production.



In an Emergency

Should communications fail they can be restored (in the short term) as follows:

If the projector is on, power it off using the controls on the unit or a remote control.

Allow the lamp to cool so the unit does not overheat when the fan loses power.

Wait for the fan to stop before physically power cycling the Projector.

Turn the projector off with the power switch labeled **MAIN SW** on the side of the unit.

Allow at least thirty seconds to elapse before turning the Projector back on.

Long Term Solution

We understand from clients that Boxlight has made a patch to the firmware available. However, at the time of writing, we do not have a copy of this patch. Contact us if you need help obtaining a patch for your projector in the field; we do have experience installing Boxlight patches in the field with other models. Visit the SP Controls website or contact Customer Support at (415) 642-2600 for the latest information.