

DISPLAY DEVICES

PL3200 **PlasmaLift**

Installation &
Owners Manual

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PL3200 PlasmaLift Installation Instructions

Ensure the ceiling structure is capable of holding at least **four times** the combined weight of the lift **and** projector. This is a **minimum** requirement. Also ensure that the ceiling structure is capable of holding at least **four times** the combined weight of the lift **and** projector. Again, this is a **minimum** requirement. Follow any local or state codes that apply to your specific area.

- 1.) If you haven't done so already, install structural mounting points above the ceiling. For most installations P3000 Unistrut® with threaded rod works very well.
- 2.) Remove plenum covers.
- 3.) Raise lift with a Genie® type material lift into position. The bottom of the lower closure panel should be installed to compensate for the attached finish material that will match the finished ceiling.
- 4.) Attach 1/2" (M12) mounting hardware (bolt/thread, 2-washers, lock washer and (2) nuts) to the (4) mounting holes near the corners of the unit.
- 5.) Level the lift frame, front-to-back and side-to-side and tighten hardware. Be sure unit is level for proper mechanical operation.
- 6.) Attach handheld remote to control box... see Control Interface section below.
- 7.) Attach the power cord to the unit – LED on the remote will flash upon power to the unit. There is no power on/off switch on this lift.
- 8.) Press show to lower the unit. Attach the interface mount to the plasma display. Place the plasma display into the unit in the desired location. From the rear of the lift, place the back plate to align with the PDP mount. The mounting hardware is inserted in the wide slots of the PVM-XXX.
- 9.) Adjust the plasma display to the desired vertical position. Tighten mounting hardware.
- 10.) If possible, add power and signal cables to the plasma display with the lift is in the closed position. Do not use thick cables that have a large bend radius. Begin your power/signal cable runs from the display so no splices will have to be made inside the lift. Feed cables into the cable management tray. For isolation place signal cables in one half and power cables in the other half of the tray. Put cable ties at each hole location along the tray going over the cables (keeping them below the top of the tray). Leave slack at the top, bottom and hinge points so the cables do not bind when unit is fully closed. Operate the lift up and down a few times to be sure that there are no cables binding anywhere on the lift.
- 11.) Level the plasma display cage of the lift after all cables have been installed. Lower the lift, place a bubble level on the top of the plasma display cage. Use the enclosed weights to counterbalance the weight to the higher side. A combination of location and amount of weights will level the unit. After level, tighten bolts to secure.
- 12.) Add your closure finish to the removable closure panel. Install the closure panel flush and level with the finished ceiling. Operate the lift to ensure that the closure panel aligns with the cutout for the lift. Reattach plenum sides. The unit is now ready for use.

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PL3200 PlasmaLift Programming Show Position

Programming can only be done with three-button control. If other methods of triggering the lift are normally used, first program the lift with the buttons and then configure lift for other trigger method.

- 1.) Press 'HOME' button. Unit raises to the home or stored position.
- 2.) Press and hold 'STOP' button for 10 seconds – unit is now in manual mode.
- 3.) Press 'SHOW' button momentarily – unit will travel down. When unit reaches desired show position press 'STOP' button momentarily. **THIS MUST BE DONE IN ONE MOTION, DO NOT PRESS HOME, SHOW, OR STOP FOR FINE TUNING OF POSITION.**
- 4.) Press and hold 'STOP' button for 10 seconds.
- 5.) Press 'HOME' button momentarily – unit will travel to home position.
- 6.) Lift is now set – press 'SHOW' button to verify – unit should travel down to show position. If you start this procedure and wish to quit after step 2, you must reset power to lift before normal operation (unplug unit or reset electrical breaker).

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PL3200 PlasmaLift Control Interface



Low-Voltage Control Lines:

There are three integrated methods of control and two optional methods. The standard controls are three momentary buttons (contacts) or low-voltage control signal, or single-latching contact. The optional methods are remote IR or RF control. Please contact DDI for information on those options.

Three button control:

- 'Home' button (BLACK) Pin 6
- 'Show' button (RED) Pin 5
- 'Stop' button (GREEN) Pin 1
- Common for all (WHITE) buttons Pin 4

Low voltage ($5\text{ vdc} < V < 24\text{ vdc}$) control signal:

- Jumper Pin 6 to Pin 4, and jumper Pin 5 to Pin 4
- Trigger Voltage to Pin 2
- Trigger Voltage ground Pin 4.
- (applied voltage sends lift up, no voltage sends lift down)

Single latching contact:

- Jumper from Pin 6 to Pin 4, and jumper Pin 5 to Pin 4
- Contacts between Pin 3 and Pin 2
- (contact closed sends lift up, contact open sends lift down)