

LS, LN, LX Series

Field Test Procedure Instructions

DD4561325

Rev: 1— 13 November 2019

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DD4561325

Rev: 1—12 November 2019

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Introduction

This instructions document describes how to complete the field tests for a LED dynamic message sign site for Daktronics Vanguard Displays.

Sign Inspection

S1 Transport-

- A. Visually inspect the outside of the sign for damage from transport and installation. Ensure light sensor is unobstructed.
- B. Inspect the inside of the sign for damage and signs of water intrusion. Check for loose parts, connections and wiring, inside of the sign.
- C. Ensure all is mounted properly with approved mounting hardware.
- D. Check that all conduits that enter the sign are sealed inside at the end that enters the sign.
- E. Verify that doors open and close properly.

S2 Sign Power Termination-

- A. Check that hot (black), neutral (white), and ground (green) wires from 120 VAC power source are properly secured on the main termination block within the display. **NOTE: Some LN signs will just be screen and computer and no housing.**

S3 Sign Power-

- A. AC Power testing:
 - a. Check that all sign Termination Block circuit breakers are off.
 - b. Using a safe procedure, measure the AC voltage from the 120 VAC power source at termination block. Also, check the voltage from neutral to earth ground. It should measure less than 10 VAC. Record values.
 - c. Apply power to the sign by switching the circuit breaker(s) on at the terminal block.

NOTE: Some LN signs wont have breakers.

S4 Communications-

- A. VNC into the SBC.
- B. **If applicable:** Disable write filter.
Windows 10 <https://www.daktronics.com/support/kb/Pages/DD3743568.aspx>
Windows 7 <https://www.daktronics.com/support/kb/Pages/DD3837597.aspx>
- C. Change the IP on the LAN 1.

S5 Display a test message using DVS

If using DVS embedded:

- A. Connect laptop to signs ethernet port.
- B. Make sure laptop IP is within range of the signs IP.
- C. Type IP in chrome browser.
- D. Using DVS server create a message that won't miss direct people that will cover entire sign and play it on the sign.
- E. Verify that the sign is displaying correctly.
- F. Verify that there aren't errors reporting in DVS embedded

If using DVS player:

- A. Connect laptop to signs ethernet port.
- B. Make sure laptop IP is within range of signs IP.
- C. Using DVS server create a message that won't miss direct people that will cover entire sign and play it on the sign.
- D. Verify that the sign is displaying correctly.
- E. Verify that there aren't errors reporting in DVS player.

S7 Display Brightness-

- A. Verify display's brightness level is appropriate for ambient light conditions.
- B. Blank display.

Final check

F1 Close all the doors.

F2 Record firmware and site information.

- A. Record the installed firmware version numbers (from the sign controller "Version Information" page), and the dimensions of the sign. Record the information in the Site Information section:
- B. Make sure site information filled is filled out: serial numbers, site location, phone number, sign dimension, firmware versions, etc.

F3 Verify all test messages are deleted.

- A. Verify that any test messages you created have been deactivated and the sign is blank.