

Field Test Procedure
AF-670X & AF-680X
Series Displays

DD4559075

Rev: 0— 11 November 2019

DAKTRONICS

Contract number: _____

Customer name: _____

Display Type: _____

Site Name: _____



tel: 800-833-3157

DD4559075

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DAKTRONICS, INC.

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Introduction

This test procedure describes the field tests for a LED dynamic message sign site for this project. The purpose of this test is:

1. To check that the sign and related equipment supplied by Daktronics has been installed properly.
2. To check that all sign and related equipment supplied by Daktronics is functioning. Special emphasis is placed on items that, if bad, are not expected to show up as being bad during normal operation. Example: earth grounding not connected.
3. To put the sign into the state needed so that it is ready for normal operation without the need for an additional visit before beginning normal operation.
4. As a record that all tests and setup tasks have been performed at each particular site so that it will not be necessary to re-visit sites later because of not being sure whether or not certain tests or setup items have been done.

Note that this is not a test of all software functions or hardware design limits; this would be very time consuming, and would be redundant, as those tests need to be done only once.

This test should be performed for every sign site at the completion of installation of the particular site.

The test messages to be used should be the test messages listed or messages such as "Testing; Message 1" or "Testing in Progress", that will not misdirect traffic.

Test equipment required:

- Whatever equipment is necessary to safely access the display
- Digital multi-meter and Ground resistance tester
- Laptop computer, with DVS software
- Ethernet Cable
- Common hand tools
- Flash Drive/Memory Stick

Site Information

Daktronics Representative: _____

Contract number and name: _____

Sign assembly no.: _____

Sign serial no.: _____

Sign dimension (pixel matrix/screen size): _____

Firmware:

Version number:

1) Firmware _____

2) FPGA Rev _____

**For instructions on how to complete each test please reference Field Test Procedure Instructions document.
DD4559083**

Sign Inspection

- _____ S1 Complete visual inspection of sign for damage on transport or installation, and verify all equipment mounted properly.
- _____ S2 Check that power from source is properly terminated within the display.
- _____ S3 Perform power verification test and record values
 - (a) L1 to neutral: _____
 - (b) Neutral to earth ground: _____
- _____ S4 Complete Peripheral Testing Procedure.
- _____ S5 If equipped with VLinX Ethernet-Serial Converter
 - (a) Verify communication with display through VLinX
 - (b) Configure VLinX with IP configuration information provided by customer (if applicable).
 - (i) IP: _____
 - (ii) Subnet Mask: _____
 - (iii) Gateway: _____
- _____ S6 Display a test message using a laptop with DVS software installed.
- _____ S7 Verify the display brightness is appropriate for ambient light conditions.

Final Check

- _____ F1 Reinstall all enclosure covers.
- _____ F2 Record all installed firmware version numbers and site information.
- _____ F3 Verify that any test messages have been deactivated and the sign is blank.

It is acknowledged that the following field test procedure has been completed for this site and the display is operational.

Daktronics Technician

_____	_____	_____
Printed Name	Signature	Date
_____	_____	_____

Customer

_____	_____	_____
Printed Name	Signature	Date
_____	_____	_____

DAKTRONICS PERSONNEL MUST RETURN THIS COMPLETED DOCUMENT AND QUALITY FEED BACK FORM TO THE DAKTRONICS CONTRACT PROJECT MANAGER.

Transportation Quality Feedback form

For Internal Daktronics use only. This is not part of the field Test Procedure. This form needs field out and sent back to Daktronics with the Field Test Procedures

Submitted By _____ Contract# _____
 Display Type (i.e. VF2400_27x105-66-A) _____
 Location of Display _____
 Display Serial # _____ nearest City and State _____
 Commissioning Date _____ Project Manager _____

Did you experience any issues or unplanned work during the commission of this display? **Yes/No** (if no skip to additional comments/Punch list items)

Failed Part Description	Part Number	Part Serial #

Describe the issues and or unplanned work

Additional Comments /Punch list Items

FTP completed **Yes / No**
 Site Complete **Yes / No** (if no documents punch list items above)