

Field Test Procedure AF-671X

DD4561324

Rev: 1— 12 November 2019

DAKTRONICS

Contract number: _____

Customer name: _____

Display Type: _____

Site Name: _____

DD4561324

Rev: 0—11 November 2019

DAKTRONICS, INC.

Copyright 2019

All rights reserved. While every precaution has been taken in the preparation of this manual, the publisher assumes no responsibility for errors or omissions. No part of this book covered by the copyrights hereon may be reproduced or copied in any form or by any means—graphic, electronic, or mechanical, including photocopying, taping, or information storage and retrieval systems—without written permission of the publisher.

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
- Laptop computer with DVS software and VNC loaded.
- 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) DVS Embedded or Player _____

2) Image controller _____

3) Cluster Controller _____

**For instructions on how to complete each test please reference Field Test Procedure Instructions document.
DD4561323**

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 Set IP address on the display
 - (i) IP: _____
 - (ii) Subnet Mask: _____
 - (iii) Gateway: _____
- _____S6 Display a test message using a laptop.
- _____S7 Verify the display brightness is appropriate for ambient light conditions.

Final Check

- _____ F1 Make sure all doors are closed properly.
- _____ 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)