



Product Change Notification

PCN No: 2016-01-21-01
Report Date: January 21, 2016
Subject: Alphanumeric Displays
New Firmware Version Release

List of Changed Products:

All the following Alphanumeric Displays (and all their variants):

MOI-ALXXX-XXXX / MOI-AV-XXX-XXXX PCB Rev 2.1
XBI (X-Board I-Series) PCB Rev 2.1
LCD0821 PCB Rev 2.0
LCD2041 / VFD2041 PCB Rev 2.0
LK162-12 / VK162-12 PCB Rev 3.2
LK162-12-USB / VK162-12-USB PCB Rev 1.0.1
LK202-25 / VK202-25 PCB Rev 3.0
LK202-25-USB / VK202-25-USB PCB Rev 1.1
LK204-7T-1U / LK204-7T-1U-USB PCB Rev 1.0
LK404-25 PCB Rev 2.0

Reason for Change:

A firmware upgrade has been implemented to add new features / commands. There are no hardware changes.

Schedule of Change:

February 3, 2016

Product Change:

The following list of firmware changes is effective on all the variants of the alphanumeric displays as stated under 'List of Changed Products'.

Display	PCB Rev	New Firmware Version
MOI-AL-XXX-XXXX / MOI-AV-XXX-XXXX	2.1	v6.3
XBI (X-Board I-Series)	2.1	v6.3
LCD0821	2.0	v6.3
LCD2041 / VFD2041	2.0	v6.3
LK162-12 / VK162-12	3.2	v6.3
LK162-12-USB / VK162-12-USB	1.0.1	v6.3
LK202-25 / VK202-25	3.0	v6.3
LK202-25-USB / VK202-25-USB	1.1	v6.3
LK204-7T-1U / LK204-7T-1U-USB	1.0	v6.3
LK404-25	2.0	v6.3

Firmware Changes:

Firmware version v6.3 (released February 3, 2016)

1. Feature added:

LK204-7T-1U / LK204-7T-1U-USB ONLY: Added robustness to the product by optionally synchronizing the screen contents with the intelligent PCB memory at a set interval.

2. I²C Enhancement:

The display now acknowledges its address whether data buffer is full or not.

To indicate data buffer is full, the display will send a NACK to the data byte it could not receive. Delaying succeeding I²C transactions will be necessary when the display data buffer is full.

Please see the [manual](#) for in depth details.

Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	January 21, 2016	R Malinis

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Reference Documents/Attachments:

Location: <http://www.matrixorbital.ca/manuals/>

Approvals:

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