



---

## Product Change Notification

**PCN No:** 2011-10-11-01  
**Report Date:** October 11, 2011  
**Subject:** I2C Enhancement (Firmware Update)  
On I2C Capable Displays

---

### List of New / Changed Products:

All the following Graphic displays (and their variants):

DD-DB1-AL202 PCB Rev 1.0
DD-DB1-AV202 PCB Rev 1.0
DD-DB1-AL204 PCB Rev 1.0
DD-DB1-AV204 PCB Rev 1.0
LK204-25 PCB Rev 3.0
VK204-25 PCB Rev 3.0
LK402-25 PCB Rev 3.0
LK204-7T-1U PCB Rev 1.0
LK404-25 PCB Rev 2.0
GLK12232-25-SM
GLK12232-16-FGW / GLK12232-25-FGW
GLK19264-7T-1U PCB Rev 1.0 / 1.1
GLK24064-16-1U PCB Rev 1.0 / 1.1
GLC24064 PCB Rev 2.0
GLK24064-25 PCB Rev 2.0 / PCB Rev 3.0
GLK240128-25 PCB Rev 1.1
GLT24064 PCB Rev 3.0
GLT240128 PCB Rev 1.1

### Schedule of Change:

October 15, 2011

**Reason for Change:**

I2C enhancement. Currently the display module temporarily disconnects from the I2C bus when it is busy.

**Product Change:**

The following list of firmware changes are all effective on all the variants of the graphic displays as stated under 'List of New / Changed Products'.

Display	PCB Rev	New Firmware Version
DD-DB1-AL202	1.0	v6.4
DD-DB1-AV202	1.0	v6.3
DD-DB1-AL204	1.0	v6.3
DD-DB1-AV204	1.0	v6.3
LK204-25	3.0	v7.1
VK204-25	3.0	v7.1
LK402-25	3.0	v7.1
LK204-7T-1U PCB Rev 1.0	1.0	v5.1
LK404-25	2.0	v5.9
GLK12232-25-SM	2.0	v6.2
GLK12232-16-FGW / GLK12232-25-FGW	1.0/3.0	v6.2/v6.2
GLK19264-7T-1U	1.0/1.1	v6.1/v6.1
GLK24064-16-1U	1.0/1.1	v6.0/v6.0
GLC24064	2.0	v6.1
GLK24064-25	2.0/3.0	v6.1/v7.1
GLK240128-25	1.1	v6.1
GLT24064	3.0	v7.1
GLT240128	1.1	v5.1

**New Firmware Change:**

The display is now to acknowledge its address all the time, and is not to disconnect from I2C bus when it is busy. It will continue to ACKnowledge all address calls, and will NAK only data transactions that it can not handle (ie when the data buffer is full).

## Documentation Revision

Revision	Changes	Date	Author
1.0	Initial Release	October 11/11	R Malinis

### Contact Information:

Julian Gelfand (Sales Manager): [jgelfand@matrixorbital.ca](mailto:jgelfand@matrixorbital.ca)

### Reference Documents/Attachments:

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

### Approvals:

Engineering: **James McTavish (Engineering Manager)**

Sales: **Julian Gelfand (Sales Manager)**

Production: **Yuko Hansen (Production Manager)**