



# MD-QUAD 2

## FIRMARE VERSION 1.1 SETTINGS

Please note: the MD-QUAD 2 hardware has serial numbers starting with MQA or MQB.

The latest USB Control Software and Specifications for this product can be downloaded at:  
[www.decimator.com](http://www.decimator.com)

In Quad Split mode, input 1 is displayed in the top left quadrant, 2 in the Top Right, 3 in the bottom left and 4 in the bottom right.

Use the rotary to select the menu and press the button to toggle the setting.

When the settings are changed the Power LED will change to Red and change back to Green when they are saved.

Defaults are highlighted in **Yellow**.

### **MENU = 0. Input Status (Button is disabled)**

LED	Description	LED Status			
		Off	Green	Red	Orange
1	Input 1 Format Detect	None	SD	HD	3G
2	Input 2 Format Detect	None	SD	HD	3G
3	Input 3 Format Detect	None	SD	HD	3G
4	Input 4 Format Detect	None	SD	HD	3G

### **MENU = 1. HDMI Output Type**

LED 1	LED 2	LED 3	LED 4	Output
Off	Off	Off	Off	DVI RGB 4:4:4, No audio is passed
Off	Off	Off	Green	HDMI RGB 4:4:4, 2 Audio channels passed
Off	Off	Green	Off	HDMI YCbCr 4:4:4, 2 Audio channels passed
Off	Off	Green	Green	HDMI YCbCr 4:2:2, 2 Audio channels passed
Off	Green	Off	Off	HDMI RGB 4:4:4, 8 Audio channels passed
Off	Green	Off	Green	HDMI YCbCr 4:4:4, 8 Audio channels passed
Off	Green	Green	Off	HDMI YCbCr 4:2:2, 8 Audio channels passed

### **MENU = 2. Output Select**

LED 1	LED 2	LED 3	LED 4	Output
Green	Green	Green	Green	Quad Split (GPI will override)
Green	Off	Off	Off	Input 1
Off	Green	Off	Off	Input 2
Off	Off	Green	Off	Input 3
Off	Off	Off	Green	Input 4

### MENU = 3. Quad-Split Mode Output Format

LED 1	LED 2	LED 3	LED 4	Quad-Split Output Format
Off	Off	Off	Off	1. SD 720x487i59.94
Off	Off	Off	Green	2. SD 720x576i50
Off	Off	Green	Off	3. HD 1920x1080i60
Off	Off	Green	Green	4. HD 1920x1080i59.94
Off	Green	Off	Off	5. HD 1920x1080i50
Off	Green	Off	Green	6. HD 1920x1080psf30
Off	Green	Green	Off	7. HD 1920x1080psf29.97
Off	Green	Green	Green	8. HD 1920x1080psf25
Green	Off	Off	Off	9. HD 1920x1080psf24
Green	Off	Off	Green	10. HD 1920x1080psf23.98
Green	Off	Green	Off	11. HD 1920x1080p30
Green	Off	Green	Green	12. HD 1920x1080p29.97
Green	Green	Off	Off	13. HD 1920x1080p25
Green	Green	Off	Green	14. HD 1920x1080p24
Green	Green	Green	Off	15. HD 1920x1080p23.98
Green	Green	Green	Green	16. HD 1280x720p60
Off	Off	Off	Red	17. HD 1280x720p59.94
Off	Off	Red	Off	18. HD 1280x720p50
Off	Off	Red	Red	19. HD 1280x720p30
Off	Red	Off	Off	20. HD 1280x720p29.97
Off	Red	Off	Red	21. HD 1280x720p25
Off	Red	Red	Off	22. HD 1280x720p24
Off	Red	Red	Red	23. HD 1280x720p23.98
Red	Off	Off	Off	24. 3G 1920x1080p60
Red	Off	Off	Red	25. 3G 1920x1080p59.94
Red	Off	Red	Off	26. 3G 1920x1080p50

### MENU = 4. Quad-Split Mode Output Reference

LED	Description	LED Status			
		Off	Green	Red	Orange
1	Quad-Split Mode Output Reference	Free-run	Input 1		

LED 2, 3 and 4 are off.

### MENU = 5. Output Aspect, Size and Border

LED 1	LED 2	LED 3	LED 4	Description
Off	Off	Off	Off	16:9 at 100% of Screen Size with No Border
Off	Off	Off	Green	16:9 at 100% of Screen Size with Border
Off	Off	Green	Off	16:9 at 90% of Screen Size with No Border
Off	Off	Green	Green	16:9 at 90% of Screen Size with Border
Off	Green	Off	Off	4:3 at 100% of Screen Size with No Border
Off	Green	Off	Green	4:3 at 100% of Screen Size with Border
Off	Green	Green	Off	4:3 at 90% of Screen Size with No Border
Off	Green	Green	Green	4:3 at 90% of Screen Size with Border

### MENU = 6. Select Input/s to Configure

LED 1	LED 2	LED 3	LED 4	Selected Input to configure
Off	Off	Off	Off	All inputs
Green	Off	Off	Off	Input 1
Off	Green	Off	Off	Input 2
Off	Off	Green	Off	Input 3
Off	Off	Off	Green	Input 4

**MENU = 7. Aspect format for Selected Input/s**

LED	Description	LED Status		
		Off	Green	Red
1	SD Output Aspect Ratio	Input = Output	Letter/Pillar box	Centre Cut

LED 2, 3 and 4 are off.

**MENU = 8. Audio Meter Group Enable for Selected Input/s**

LED	Description	LED Status			
		Off	Green	Red	Orange
1	Input 1 Group Enable	None	1	2	1 & 2
2	Input 2 Group Enable	None	1	2	1 & 2
3	Input 3 Group Enable	None	1	2	1 & 2
4	Input 4 Group Enable	None	1	2	1 & 2

**MENU = 9. On Screen Input Format Enable**

LED	Description	LED Status		
		Off	Green	Red
1	On Screen Format	Off	On for 5 seconds	Always on

**MENU = A. UMD Enable**

LED	Description	LED Status	
		Off	Green
1	UMD Enable	Off	On

**MENU = B. Audio Meter Style**

LED 1	LED 2	LED 3	LED 4	Style
Off	Off	Green	Green	Vertical Bar and Float
Off	Off	Off	Green	Vertical Bar
Off	Off	Green	Off	Vertical Float
Off	Off	Red	Red	Horizontal Bar and Float
Off	Off	Off	Red	Horizontal Bar
Off	Off	Red	Off	Horizontal Float

**MENU = C. Audio Meter Reference Level**

LED	Description	LED Status		
		Off	Green	Red
1	Reference Level	-20dBFS	-18dBFS	-15dBFS

**MENU = D. Audio Bar Scale**

LED 1	LED 2	LED 3	LED 4	Reference Level
Off	Off	Off	Off	AES/EBU
Off	Off	Off	Green	VU
Off	Off	Green	Off	Extended VU
Off	Off	Green	Green	BBC (IEC 2a)
Off	Green	Off	Off	EBU (IEC 2b)
Off	Green	Off	Green	DIN (IEC 2b)
Off	Green	Green	Off	NORDIC (IEC 2b)

**MENU = E.**

Button 1 will reset all settings to their defaults.

**MENU = F. GPI Configuration**

LED	Description	LED Status	
		Off	Green
1	GPI	Configuration 1	Configuration 2

## GPI (General Purpose Inputs)

### Configuration 1 (Tallies)

PIN	NAME	DESCRIPTION
1	Q1_TALLY_EN	Ground pin to enable Tally on input 1
2	Q2_TALLY_EN	Ground pin to enable Tally on input 2
3	Q3_TALLY_EN	Ground pin to enable Tally on input 3
4	RESERVED	Not Used
5	RESERVED	Not Used
6	Q4_TALLY_EN	Ground pin to enable Tally on input 4
7	OS_TOGGLE	Ground pin to toggle outputs between quad-split and input 1, 2, 3 and 4.
8	GROUND	Use as reference ground.

### Configuration 2

PIN	NAME	DESCRIPTION
1	Q1_PT_EN	Ground pin to enable pass-through of input 1 to outputs.
2	Q2_PT_EN	Ground pin to enable pass-through of input 2 to outputs.
3	Q3_PT_EN	Ground pin to enable pass-through of input 3 to outputs.
4	RESERVED	Not Used
5	RESERVED	Not Used
6	Q4_PT_EN	Ground pin to enable pass-through of input 4 to outputs.
7	QS_EN	Ground pin to enable Quad-Split on outputs.
8	GROUND	Use as reference ground.

## SERVICE WARRANTY

Decimator Design warrants that this product will be free from defects in materials and workmanship for a period of 12 months from the date of purchase. If this product proves to be defective within this warranty period, Decimator Design, at its discretion, will either repair the defective product without charge for parts and labour, or will provide a replacement product in exchange for the defective product.

In order to service under this warranty, you the Customer, must notify Decimator Design of the defect before the expiration of the warranty period and make suitable arrangements for the performance of service. The Customer shall be responsible for packaging and shipping the defective product to a designated service centre nominated by Decimator Design, with shipping charges prepaid. Decimator Design shall pay for the return of the product to the Customer if the shipment is to a location within the country in which the Decimator Design service centre is located. The Customer shall be responsible for paying all shipping charges, insurance, duties, taxes, and any other charges for products returned to any other location.

This warranty shall not apply to any defect, failure or damage caused by improper use or improper or inadequate maintenance and care. Decimator Design shall not be obligated to furnish service under this warranty a) to repair damage resulting from attempts by personnel other than Decimator Design representatives to install, repair or service the product, b) to repair damage resulting from improper use or connection to incompatible equipment, c) to repair any damage or malfunction caused by the use of non-Decimator Design parts or supplies, or d) to service a product that has been modified or integrated with other products when the effect of such a modification or integration increases the time of difficulty of servicing the product.