MD-QUAD 2/3
FIRMARE VERSION 1.4 SETTINGS

Please note: MD-QUAD 2 hardware has serial numbers starting with MQA or MQB.
MD-QUAD 3 hardware has serial numbers starting with MQC.

The latest USB Control Software and Specifications for this product can be downloaded at:
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.

For all Menu Subsets when Rotary = 0. Input Status (Button is disabled)

		LED Status			
LED	**Description**	**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

For all Menu Subsets when Rotary = 1. Menu Subset

LED 1	LED 2	LED 3	LED 4	Menu Subset
Off	Off	Off	Off	0
Off	Off	Off	Green	1

Menu Subset = 0 / Rotary = 2. 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 Subset = 0 / Rotary = 3. Output Select

LED 1	LED 2	LED 3	LED 4	Output
Green	Green	Green	Green	Quad-Split (GPI will override)
Green	Off	Off	Off	Video Source 1
Off	Green	Off	Off	Video Source 2
Off	Off	Green	Off	Video Source 3
Off	Off	Off	Green	Video Source 4

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Menu Subset = 0 / Rotary = 4. Quad-Split Audio Source

LED 1	LED 2	LED 3	LED 4	Output
Green	Off	Off	Off	Video Source 1
Off	Green	Off	Off	Video Source 2
Off	Off	Green	Off	Video Source 3
Off	Off	Off	Green	Video Source 4

Menu Subset = 0 / Rotary = 5. Quad-Split / Test-Pattern 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 Subset = 0 / Rotary =6. 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

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Menu Subset = 0 / Rotary = 7. 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	Video Source 1
Off	Green	Off	Off	Video Source 2
Off	Off	Green	Off	Video Source 3
Off	Off	Off	Green	Video Source 4

Menu Subset = 0 / Rotary = 8. Aspect format for Selected Input/s

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

LED 2, 3 and 4 are off.

Menu Subset = 0 / Rotary = 9. Audio Meter Group Enable for Selected Input/s

		LED Status			
LED	Description	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 Subset = 0 / Rotary = A. UMD Enable

		LED Status	
LED	Description	Off	Green
1	UMD Enable	Off	On

Menu Subset = 0 / Rotary = B. 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 Subset = 0 / Rotary = C. Audio Test Signals

LED 1	LED 2	LED 3	LED 4	Audio Test Signals
Off	Off	Off	Off	Off
Off	Off	Off	Green	1kHz on Group1, Pair 1 only
Off	Off	Green	Off	Pair 1 = 1kHz Tone, Pair 2 = 500Hz Tone Pair 3 = 1kHz Broken Tone, Pair 4 = 500Hz Broken Tone
Off	Off	Green	Green	1kHz Tone on Left for Pair 1, 2, 3 & 4 1kHz Broken Tone on Right for Pair 1, 2, 3 & 4

Menu Subset = 0 / Rotary = D. Test Pattern

LED 1	LED 2	LED 3	LED 4	Test Pattern
Off	Off	Off	Off	SMPTE HD Bars
Off	Off	Off	Green	Bars 100/0/100/0
Off	Off	Off	Red	Bars 100/0/75/0
Off	Off	Off	Orange	Bars 75/0/75/0
Off	Off	Green	Off	Bars 100% & Red
Off	Off	Green	Green	SMPTE EG 1 Bars
Off	Off	Green	Red	Path Equalizer & PLL

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Menu Subset = 0 / Rotary = C. Test Pattern (Continued)

LED 1	LED 2	LED 3	LED 4	Test Pattern
Off	Off	Green	Orange	Square on 4:3 Mon.
Off	Off	Red	Off	Square on 16:9 Mon.
Off	Off	Red	Green	5 Step Y Staircase
Off	Off	Red	Red	5 Step UV Staircase
Off	Off	Red	Orange	Y Sweep
Off	Green	Off	Off	UV Sweep
Off	Green	Off	Green	Y Multiburst
Off	Green	Off	Red	UV Multiburst
Off	Green	Off	Orange	Y Ramp
Off	Orange	Red	Off	UV Moving In C ZP
Off	Orange	Red	Green	UV Moving Out C ZP
Off	Green	Green	Off	UV Ramp
Off	Green	Green	Green	Pluge
Off	Green	Green	Red	Convergence
Off	Green	Green	Orange	Tartan Bars
Off	Green	Red	Off	1 Field in 8 White
Off	Green	Red	Green	White 100%
Off	Green	Red	Red	White 75%
Off	Green	Red	Orange	Black
Off	Green	Orange	Off	Red
Off	Green	Orange	Green	Yellow
Off	Green	Orange	Red	Green
Off	Green	Orange	Orange	Blue
Off	Red	Off	Off	Magenta
Off	Red	Off	Green	Cyan
Off	Red	Off	Red	Y Static X ZP/L
Off	Red	Off	Orange	Y Static X ZP/H
Off	Red	Green	Off	Y Static Y ZP
Off	Red	Green	Green	Y Moving Left X ZP
Off	Red	Green	Red	Y Moving Right X ZP
Off	Red	Green	Orange	Y Moving Up Y ZP
Off	Red	Red	Off	Y Moving Down Y ZP
Off	Red	Red	Green	Y Moving Up XY ZP
Off	Red	Red	Red	Y Moving Down XY ZP
Off	Red	Red	Orange	Y Static C ZP
Off	Red	Orange	Off	Y Moving In C ZP
Off	Red	Orange	Green	Y Moving Out C ZP
Off	Red	Orange	Red	UV Static X ZP/L
Off	Red	Orange	Orange	UV Static X ZP/H
Off	Orange	Off	Off	UV Static Y ZP
Off	Orange	Off	Green	UV Moving Left X ZP
Off	Orange	Off	Red	UV Moving Right X ZP
Off	Orange	Off	Orange	UV Moving Up Y ZP
Off	Orange	Green	Off	UV Moving Down Y ZP
Off	Orange	Green	Green	UV Moving Up XY ZP
Off	Orange	Green	Red	UV Moving Down XY ZP
Off	Orange	Green	Orange	UV Static C ZP
Off	Orange	Red	Off	UV Moving In C ZP
Off	Orange	Red	Green	UV Moving Out C ZP

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Menu Subset = 0 / Rotary = F. Test Pattern Enable

		LED Status	
LED	**Description**	**Off**	**Green**
1	Test Pattern	Off	On

For all Menu Subsets when Rotary = E.

Button 1 will reset all settings to their defaults.

Menu Subset = 1 / Rotary = 2. 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 Subset = 1 / Rotary = 3. Audio Meter Reference Level

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

Menu Subset = 1 / Rotary = 4. On Screen Input Format Enable

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

Menu Subset = 1 / Rotary = 5. Quad-Split Mode Output Reference

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

LED 2, 3 and 4 are off.

Menu Subset = 1 / MENU = 6. GPI Configuration

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

Menu Subset = 1 / MENU = 7, 8, 9, A, B, C, D & F. Reserved for future use

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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	RX+	RS422/RS485 Positive Receive Pin
5	RX-	RS422/RS485 Negative Receive Pin
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	RX+	RS422/RS485 Positive Receive Pin
5	RX-	RS422/RS485 Negative Receive Pin
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 36 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.

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