DMON-QUAD

1 to 4 Channel (3G/HD/SD)-SDI MultiViewer with SDI and HDMI outputs

Operating Manual for Firmware Version 1.0
**Introduction**

Thank you for purchasing the DMON-QUAD 4 Channel (3G/HD/SD)-SDI MultiViewer with HDMI and SDI outputs. The DMON-QUAD is a truly portable converter, which incorporates our new easy to use LCD and button control system. This gives you easy access to most of the amazing features that have been unavailable without a computer until now. The days of having to play with complicated dip switches or having to carry around a computer to change a simple setting are gone.

The DMON-QUAD features the following:

- 4 x (3G/HD/SD)-SDI to HDMI Converters with 1 to 4 MultiViewer, Custom Layouts and 8 Channel Audio Meters
- Supports 3G level A and B on inputs and output, allowing conversion between 3G level A and B
- Low cost (3G/HD/SD)-SDI 1 to 4 MultiViewer or 4 to 1 input multiplexer
- Custom Layouts with various standard layouts
- 16 Character UMD overlay per window with individual enables, custom positioning and size
- 8 Channel Audio Metering overlay per window with individual enables, custom positioning and size
- Horizontal and/or Vertical image flipping per window
- Audio ID overlay
- Tallies can be applied to either Tally Boxes (Default) or Border
- Tally boxes allows for up to 4 Tallies per window
- Fast switching between inputs using Full-Screen scaling
- Selectable output format in both Full-Screen MultiViewer mode
- Low latency buffering for each input allowing non-synchronous inputs
- Linked (3G/HD/SD)-SDI and HDMI outputs
- 4 x (3G/HD/SD)-SDI inputs with auto detection (26 Formats supported in total)
- Each window is independent of the others, allowing any 3G/HD/SD format of any frame rate to be displayed simultaneously
- Variable aspect ratios per window
- In Pass-Through mode the selected input is passed through to both the (3G/HD/SD)-SDI and HDMI outputs
- This unit also includes:
  - GPI on RJ-45 connector for Tallies and Remote Switching
  - RS422/485 on RJ-45 connector for Dynamic UMD and Tallies
  - USB port for control and firmware updates
  - Robust Aluminium box
  - Metal Thread Locking DC Power Socket
  - Power Supply, HDMI Cable and USB Cable
Main Menus
Upon power up the unit will start in the Main Menu pointing to Input Status.
The Main Menus are:

1. Input Status
2. Control
3. Routing
4. Colours
5. UMDs
6. Audio Meters
7. MV Flip
8. GPI
9. Setup

Press the < and > buttons to move left or right through the menus.
To enter into a menu press the ENTER button.

Notes:
1. Defaults are highlighted in yellow.
2. When an option is changed, a highlighted \( \textcolor{red}{S} \) will appear in the top right of the LCD screen and will disappear when the options are saved after 10 seconds. Avoid powering down the unit during this time.
3. You can always return to the Main Menu by pressing the BACK button twice.
4. As you move through the menus changing parameters, they will be instantly applied to the output signal.

Input Status: (Has 2 states)
When pressing enter in the Input Status menu, will cycle between the status for input 1-4 and 5-6

(Operator)

<table>
<thead>
<tr>
<th>Format</th>
<th>Current format on SDI Input</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:3GB 1080p59.94</td>
<td>( \textcolor{red}{S} ) Current format on SDI Input 1</td>
</tr>
<tr>
<td>2:HD 720p50</td>
<td>( \textcolor{red}{S} ) Current format on SDI Input 2</td>
</tr>
<tr>
<td>3:SD 480i59.94</td>
<td>( \textcolor{red}{S} ) Current format on SDI Input 3</td>
</tr>
<tr>
<td>4:HD 1080i59.94</td>
<td>( \textcolor{red}{S} ) Current format on SDI Input 4</td>
</tr>
</tbody>
</table>

Control: (Has SUB-MENUs)

<table>
<thead>
<tr>
<th>Control</th>
<th>Main Menu</th>
<th>Sub Menu</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDMI Output Type</td>
<td>HDMI RGB444 2C</td>
<td>Parameter Window</td>
</tr>
</tbody>
</table>

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right respectively through the 14 menus below and press the BACK button to go back to the Main Menu when finished.
The current value for each Sub Menu is shown in the Parameter Window.
1. **Control / HDMI Output Type (Parameter)**
   This is the current HDMI output type for output 1.
   When the sub menu is highlighted, press ENTER to toggle through the following types:
   1.) DVI RGB444 ➔ DVI-D RGB 4:4:4
   2.) HDMI RGB444 2C ➔ HDMI RGB 4:4:4 with 2-Channels of Audio
   3.) HDMI YCbCr444 2C ➔ HDMI YCbCr 4:4:4 with 2-Channels of Audio
   4.) HDMI YCbCr422 2C ➔ HDMI YCbCr 4:2:2 with 2-Channels of Audio
   5.) HDMI RGB444 8C ➔ HDMI RGB 4:4:4 with 8-Channels of Audio
   6.) HDMI YCbCr444 8C ➔ HDMI YCbCr 4:4:4 with 8-Channels of Audio
   7.) HDMI YCbCr422 8C ➔ HDMI YCbCr 4:2:2 with 8-Channels of Audio

2. **Control / Output Select (Parameter)**
   This is the current source for the HDMI and SDI outputs.
   When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
   Press the < and > buttons to move left or right through the following sources:
   1.) Multi-View
   2.) Window 1
   3.) Window 2
   4.) Window 3
   5.) Window 4

3. **Control / MV Output Format (Parameter)**
   This is the current output format for the MultiViewer.
   When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
   Press the < and > buttons to move left or right through the 26 video formats listed below and the BACK button to leave this SUB-MENU.

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

   Note: Currently we do not support HD 1280x720p24/23.98 on the HDMI output

4. **Control / MV Windows (Parameter)**
   This is the current number of windows shown on the MultiView output.
   When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
   Press the < and > buttons to move left or right through the number of windows displayed from 1 to 4. Default Windows displayed is 4 windows.
5. **Control / MV Layout (Parameter)**

This is the current layout of the MultiViewer, there are 32 layouts selectable per format and MultiViewer window number. 10 of these are predefined layouts. When the sub menu is highlighted, press the ENTER button to enter this sub-menu.

Press the < and > buttons to move left or right through the following layouts:

1.) 100%
2.) 100% with Border
3.) 90%
4.) 90% with Border
5.) 100% with Gap
6.) 100% with Border + Gap
7.) 90% with Gap
8.) 90% with Border + Gap
9 to 30) Custom
31.) Top to Bottom
32.) Left to Right

**Notes:**

For every ‘Format’ and ‘Number of Windows’ there are 32 layouts.

E.g. for a 1920x1080i60 format showing 4 windows there are 32 layouts tied to this output, if the number of windows is changed to 3 there are also 32 separate layouts attached to this setting.

Full Screen Pass through will also use the selected layout for 1 window.

6. **Control / MV Audio Source (Parameter)**

This selects which window the audio is extracted from for the MultiViewer output. When the sub menu is highlighted, press the ENTER button to enter this sub-menu.

Press the < and > buttons to move left or right through the following sources:

1.) Window 1
2.) Window 2
3.) Window 3
4.) Window 4

7. **Control / MV Reference (Parameter)**

This is reference for the MultiViewer.

When the sub menu is highlighted, press ENTER to toggle through the following sources:

1.) Window 1
2.) Free-Run

8. **Control / Pass Scaled (Parameter)**

When the Output Select is changed to window 1 to 6, this parameter determines whether the output is scaled or passed through unchanged from the selected window. When the output is scaled, the selected layout for window 1 is used. When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) Yes
2.) No

9. **Control / Format Status (Parameter)**

When an input is detected the DMON-QUAD will display the format detected in the top left of each window by default unless the location has been modified via the USB Control Panel. When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) Show for 5 sec
2.) Show Always
3.) Off
10. Control / Audio Source ID (Parameter)
The Audio Source Identification icon will appear when selecting which window the audio will be passed from to the output when in MultiViewer mode. This option toggles whether the icon is shown to indicate the window source the audio is coming from. This icon appears in front of the Format Status. When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) Show for 5 sec
   2.) Show Always
   3.) Off

11. Control / Apply Tally to (Parameter)
The Apply tally to parameter allows the selection of the 3 different types of tally indicators. When a tally is triggered it can be displayed as a small box on the bottom left (default position) of the inputs window or as border around the window. The Tally can also fill the outside of the safe action box. When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) Border
   2.) Tally Boxes

12. Control / Tally Transparency (Parameter)
The Tally transparency feature changes the transparency of the tally box / border / Outside safe Action. When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) 0%
   2.) 25%
   3.) 50%

13. Control / 3G Output is B (Parameter)
This determines if the 3G-SDI output level is B instead of A.
When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) Yes
   2.) No

Routing: (Has SUB-MENUS)

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right respectively through the 6 menus below and press the BACK button to go back to the Main Menu when finished.
The current value for each Sub Menu is shown in the Parameter Window.

1. Routing / Window 1 Source (Parameter)
This is the input source for Window 1.
When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right through the following sources:
   1.) Input 1 (default for Window 1)
   2.) Input 2 (default for Window 2)
   3.) Input 3 (default for Window 3)
   4.) Input 4 (default for Window 4)

Please note that Windows 1 to 6 sources are the same as above.
**Colours: (Has SUB-MENUs)**

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right respectively through the 10 menus below and press the BACK button to go back to the Main Menu when finished.
The current value for each Sub Menu is shown in the Parameter Window.

1. **Colours / Background Colour (Parameter)**
   This is background colour for the MultiViewer.
   When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
   Press the < and > buttons to move left or right through the following colours:
   1. **Black**
   2. Blue
   3. Green
   4. Cyan
   5. Red
   6. Magenta
   7. Yellow
   8. White

2. **Colours / Border Colour (Parameter)**
   This is border colour for the MultiViewer.
   When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
   Press the < and > buttons to move left or right through the following colours:
   1. **Black**
   2. Blue
   3. Green
   4. Cyan
   5. Red
   6. Magenta
   7. Yellow
   8. White

3. **Colours / UMD Foreground (Parameter)**
   This is the UMD colour and transparency setting for the text.
   When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
   Press the < and > buttons to move left or right through the following colours:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. None</td>
<td>10. Black (Transparent 25%)</td>
<td>19. Blue (Transparent 0%)</td>
</tr>
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<td>22. Red (Transparent 0%)</td>
</tr>
<tr>
<td>5. Cyan (Transparent 50%)</td>
<td>14. Red (Transparent 25%)</td>
<td>23. Magenta (Transparent 0%)</td>
</tr>
<tr>
<td>6. Red (Transparent 50%)</td>
<td>15. Magenta (Transparent 25%)</td>
<td>24. Yellow (Transparent 0%)</td>
</tr>
<tr>
<td>7. Magenta (Transparent 50%)</td>
<td><strong>16. Yellow (Transparent 25%)</strong></td>
<td>25. White (Transparent 0%)</td>
</tr>
<tr>
<td>8. Yellow (Transparent 50%)</td>
<td>17. White (Transparent 25%)</td>
<td></td>
</tr>
<tr>
<td>9. White (Transparent 50%)</td>
<td>18. Black (Transparent 0%)</td>
<td></td>
</tr>
</tbody>
</table>
4. Colours / UMD Background (Parameter)

This is the UMD colour and transparency setting for the background of the UMDs.
When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
Press the the < and > buttons to move left or right through the following colours:

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<td></td>
</tr>
<tr>
<td>9. White (Transparent 50%)</td>
<td>18. Black (Transparent 0%)</td>
<td></td>
</tr>
</tbody>
</table>

5. Colours / Format ForeGrnd (Parameter)

This is the Status Format text colour and transparency setting.
When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right through the following colours:

<p>| | | |</p>
<table>
<thead>
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<td></td>
</tr>
<tr>
<td>9. White (Transparent 50%)</td>
<td>18. Black (Transparent 0%)</td>
<td></td>
</tr>
</tbody>
</table>

6. Colours / Format BackGrnd (Parameter)

This is the Status Format text background colour and transparency setting.
When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right through the following colours:

<p>| | | |</p>
<table>
<thead>
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<td></td>
</tr>
</tbody>
</table>
**UMDs: (Has SUB-MENUs)**

![UMDs](All On)

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu. Press the < and > buttons to move left or right respectively through the 3 menus below and press the BACK button to go back to the Main Menu when finished. The current value for each Sub Menu is shown in the Parameter Window, unless it is an action Sub Menu.

1. **UMDs / All On (Action)**
   Pressing ENTER when this submenu is selected will turn all UMD overlays on.

2. **UMDs / All Off (Action)**
   Pressing ENTER when this submenu is selected will turn all UMD overlays off.

3. **W1 UMD Enable / All Off (Action)**
   Pressing ENTER when this submenu is selected will turn all UMD overlays off.
   - 1.) Yes
   - 2.) No

4. **W2 UMD Enable / All Off (Action)**
   Pressing ENTER when this submenu is selected will turn all UMD overlays off.
   - 1.) Yes
   - 2.) No

5. **W3 UMD Enable / All Off (Action)**
   Pressing ENTER when this submenu is selected will turn all UMD overlays off.
   - 1.) Yes
   - 2.) No

6. **W4 UMD Enable / All Off (Action)**
   Pressing ENTER when this submenu is selected will turn all UMD overlays off.
   - 1.) Yes
   - 2.) No

7. **UMDs / UMD Justify (Parameter)**
   This parameter determines whether the text inside the 16 character window is centred, left or right justified. When the sub menu is highlighted, press ENTER to toggle through the following options:
   - 1.) Centre
   - 2.) Left
   - 3.) Right

**Audio Meters: (Has SUB-MENUs)**

![Audio Meters](All On)

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu. Press the < and > buttons to move left or right respectively through the 11 menus below and press the BACK button to go back to the Main Menu when finished. The current value for each Sub Menu is shown in the Parameter Window.
1. **Audio Meters / All On (Action)**
   Pressing ENTER when this submenu is selected will turn all Audio Meter overlays on.

2. **Audio Meters / All Off (Action)**
   Pressing ENTER when this submenu is selected will turn all Audio Meter overlays off.

3. **Audio Meter / Combination (Parameter)**
   This is the combination of either bar or float meters.
   When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) None
   2.) Bar Only
   3.) Float Only
   4.) Bar and Float

4. **Audio Meter / Transparency (Parameter)**
   This is the transparency level of the audio meter overlays.
   When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) 0%
   2.) 25%
   3.) 50%

5. **Audio Meter / Show Scale (Parameter)**
   This indicates if the scale is shown on the audio meter overlays.
   When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) No
   2.) Yes

6. **Audio Meter / Meter Scale (Parameter)**
   This is the current scale shown on the audio meter overlays.
   When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) AES/EBU
   2.) VU
   3.) Extended VU
   4.) BBC PPM (IEC 2a)
   5.) EBU PPM (IEC 2b)
   6.) DIN PPM (IEC 1a)
   7.) NORDIC (IEC 1b)

7. **Audio Meter / Bar Ballistics (Parameter)**
   This is the current ballistics applied to the bar audio meter.
   When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) VU
   2.) IEC1
   3.) IEC2

8. **Audio Meter / Float Ballistics (Parameter)**
   This is the current ballistics applied to the float audio meter.
   When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) VU
   2.) IEC1
   3.) IEC2
9. **Audio Meter / Ref Level (Parameter)**
This is the current audio reference level for the audio meter overlays.
When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) -20 dBFS
2.) -18 dBFS
3.) -15 dBFS

10. **Audio Meter / Yellow Start (Has SUB-MENU with parameter)**
This is the starting level for the yellow range on the audio meter. The default value is **10dBFS**.
When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
Press the < and > buttons to increase and decrease the level from 0 to -100dBFS respectively.
Press the BACK button to leave this SUB-MENU.

11. **Audio Meter / Green Start (Has SUB-MENU with parameter)**
This is the starting level for the green range on the audio meter. The default value is **20dBFS**.
When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
Press the < and > buttons to increase and decrease the level from 0 to -100dBFS respectively.
Press the BACK button to leave this SUB-MENU.

**M.V. (MultiView) Flip: (Has SUB-MENUs)**

<table>
<thead>
<tr>
<th>M.V. Flip</th>
<th></th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Window 1 H Flip</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>No</td>
<td></td>
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</tr>
</tbody>
</table>

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right respectively through the 8 menus below and press the BACK button to go back to the Main Menu when finished.
The current value for each Sub Menu is shown in the Parameter Window.

1. **M.V. Flip / Window 1 H Flip (Parameter)**
This enables a horizontal flip on MultiView Window 1.
When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) No
2.) Yes

2. **M.V. Flip / Window 1 V Flip (Parameter)**
This enables a vertical flip on MultiView Window 1.
When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) No
2.) Yes

3. **M.V. Flip / Window 2 H Flip (Parameter)**
This enables a horizontal flip on MultiView Window 2.
When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) No
2.) Yes

4. **M.V. Flip / Window 2 V Flip (Parameter)**
This enables a vertical flip on MultiView Window 2.
When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) No
2.) Yes

5. **M.V. Flip / Window 3 H Flip (Parameter)**
This enables a horizontal flip on MultiView Window 3.
When the sub menu is highlighted, press ENTER to toggle through the following selections:

1.) No
2.) Yes
6. M.V. Flip / Window 3 V Flip (Parameter)
This enables a vertical flip on MultiView Window 3.
When the sub menu is highlighted, press ENTER to toggle through the following selections:
3.) No 4.) Yes

7. M.V. Flip / Window 4 H Flip (Parameter)
This enables a horizontal flip on MultiView Window 4.
When the sub menu is highlighted, press ENTER to toggle through the following selections:
1.) No 2.) Yes

8. M.V. Flip / Window 4 V Flip (Parameter)
This enables a vertical flip on MultiView Window 4.
When the sub menu is highlighted, press ENTER to toggle through the following selections:
1.) No 2.) Yes

GPI: (Has SUB-MENUs)

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu.
When the sub menu is highlighted, press ENTER to toggle through the Modes and press the BACK button to go back to the Main Menu when finished.
The current value for each Sub Menu is shown in the Parameter Window.

GPI Mode = 00:

<table>
<thead>
<tr>
<th>PIN</th>
<th>NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>W1_TALLY_EN</td>
<td>Ground pin to enable Tally on window 1</td>
</tr>
<tr>
<td>2</td>
<td>W2_TALLY_EN</td>
<td>Ground pin to enable Tally on window 2</td>
</tr>
<tr>
<td>3</td>
<td>W3_TALLY_EN</td>
<td>Ground pin to enable Tally on window 3</td>
</tr>
<tr>
<td>4</td>
<td>RX+</td>
<td>RS422/RS485 Positive Receive Pin</td>
</tr>
<tr>
<td>5</td>
<td>RX-</td>
<td>RS422/RS485 Negative Receive Pin</td>
</tr>
<tr>
<td>6</td>
<td>W4_TALLY_EN</td>
<td>Ground pin to enable Tally on window 4</td>
</tr>
<tr>
<td>7</td>
<td>OS_TOGGLE</td>
<td>Ground pin to toggle outputs between MultiView and window 1, 2, 3 and 4</td>
</tr>
<tr>
<td>8</td>
<td>GROUND</td>
<td>Use as reference ground</td>
</tr>
</tbody>
</table>

GPI Mode = 01:

<table>
<thead>
<tr>
<th>PIN</th>
<th>NAME</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>W1_PT_EN</td>
<td>Ground pin to enable pass-through of window 1 to outputs</td>
</tr>
<tr>
<td>2</td>
<td>W2_PT_EN</td>
<td>Ground pin to enable pass-through of window 2 to outputs</td>
</tr>
<tr>
<td>3</td>
<td>W3_PT_EN</td>
<td>Ground pin to enable pass-through of window 3 to outputs</td>
</tr>
<tr>
<td>4</td>
<td>RX+</td>
<td>RS422/RS485 Positive Receive Pin</td>
</tr>
<tr>
<td>5</td>
<td>RX-</td>
<td>RS422/RS485 Negative Receive Pin</td>
</tr>
<tr>
<td>6</td>
<td>W4_PT_EN</td>
<td>Ground pin to enable pass-through of window 4 to outputs</td>
</tr>
<tr>
<td>7</td>
<td>MV_EN</td>
<td>Ground pin to enable MultiView on outputs</td>
</tr>
<tr>
<td>8</td>
<td>GROUND</td>
<td>Use as reference ground</td>
</tr>
</tbody>
</table>
Setup: (Has SUB-MENUs)

When highlighted in the Main Menu, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right respectively through the 6 menus below and press the BACK button to go back to the Main Menu when finished.
The current value for each Sub Menu is shown in the Parameter Window, unless it is an action Sub Menu.

1. SETUP / LOAD DEFAULTS (Action)
When highlighted in the Menu Window, press the ENTER button to load the default settings. The device will be reset to the Main Menu Input Status.

2. SETUP / LCD OFF TIME (Parameter)
This is the time taken for the LCD light to turn off after the last button press.
When the sub menu is highlighted, press ENTER to toggle through the following times:
   1.) 5 seconds   6.) 5 minutes
   2.) 15 seconds  7.) 10 minutes
   3.) 30 seconds  8.) 30 minutes
   4.) 1 minute    9.) Never
   5.) 1 minute

3. SETUP / BACK2STATUS TIME (Parameter)
This is the time before the main menu is returned to Input Status after the last button press.
When the sub menu is highlighted, press ENTER to toggle through the following times:
   1.) 5 seconds
   2.) 15 seconds
   3.) 30 seconds
   4.) 1 minute
   5.) 5 minutes
   6.) 10 minutes
   7.) 30 minutes
   8.) Never

4. SETUP / AUTO SAVE (Parameter)
This parameter will determine if any changes will be saved to memory when changes are made.
When the sub menu is highlighted, press ENTER to toggle through the following selections:
   1.) Yes
   2.) No

5. SETUP / Demo Cycle (Parameter)
The Demo cycle setting is used for cycling through multiple layouts, windows or inputs on a time delay. When the sub menu is highlighted, press the ENTER button to enter this sub-menu.
Press the < and > buttons to move left or right through the following cycle types:
   1.) None
   2.) Output Select
   3.) MV Windows
   4.) MV Layouts

Note: The parameter will only be updated when leaving this sub-menu.
6. SETUP / Demo Cycle Time (Parameter)
The Demo Cycle Time determines the amount of time to elapse before cycling to the next item. When the sub menu is highlighted, press the ENTER button to enter this sub-menu. Press the < and > buttons to move left or right through the time until the unit moves to the next item in the cycle. Default time is 10 Seconds, Maximum time is 256 Seconds

Note: The parameter will only be updated when leaving this sub-menu.

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.