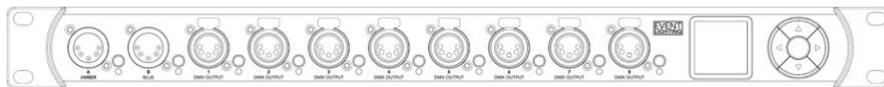




SPLIT228RDM

8-way DMX and RDM Splitter

USER MANUAL



For your safety, please read this user manual carefully before use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

Version 1.0

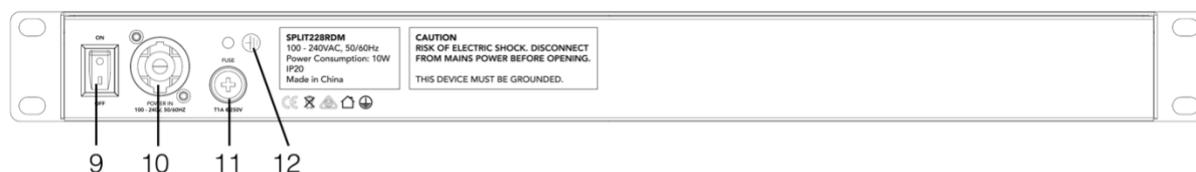
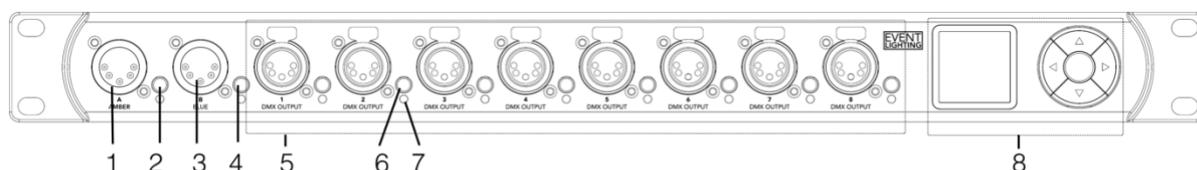
Safety Instructions

WARNING

- Do not open this device, there are no user serviceable parts inside. Risk of electric shock.
- Do not operate this device outdoors or in any location where dust, excessive heat, water or humidity may affect it.
- Do not connect this device to a dimmer or rheostat.
- Do not operate this device at temperatures higher than 40°C (104°F).

Product Description

SPLIT228RDM is a rack mountable DMX and RDM splitter designed to optically insulate and distribute two DMX inputs into eight outputs via 5-pin XLR connectors.



- | | |
|---|----------------------------------|
| 1: 5-pin DMX Signal Connector In (A-Amber). | 7: Output Status Indicator. |
| 2: Input Selection Button (A-Amber). | 8: OLED Display and Controls. |
| 3: 5-pin DMX Signal Connector In (B-Blue). | 9: Power Switch. |
| 4: Input Selection Button (B-Blue). | 10: Powercon Power Connector In. |
| 5: 8x 5-pin DMX Signal Connectors Out. | 11: Fuse. |
| 6: Input Signal Selector. | 12: Ground Connection. |

Installation

Rack

SPLIT228RDM has four holes on the rack ears that suit a 1RU rack mount.

Menu

Input

Use the input selector button to view the status of the selected input: **Amber** or **Blue**.



Press **Up/Down** to view incoming DMX signal values.



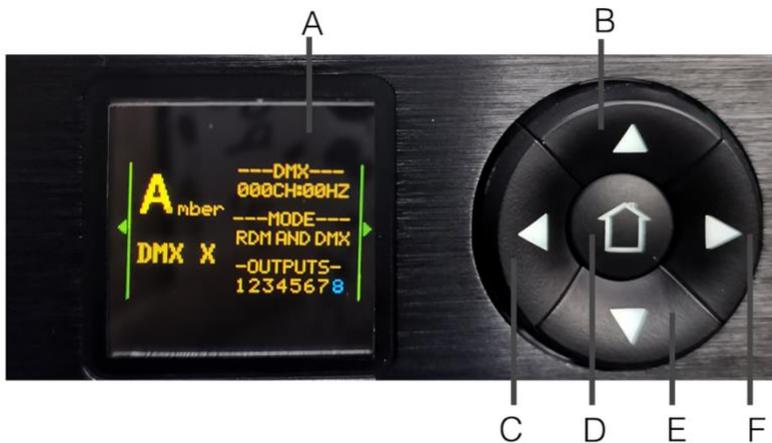
Assign Input Signals to Outputs

- Press one of the eight input signal selectors to view the input signal source.
- Repeatedly press one of the eight input signal selectors or press the **Up/Down** buttons to switch the input source.



- The output's LED indicator will light up **green** if it is assigned to the **Amber** input.
- The output's LED indicator will light up **blue** if it is assigned to the **Blue** input.

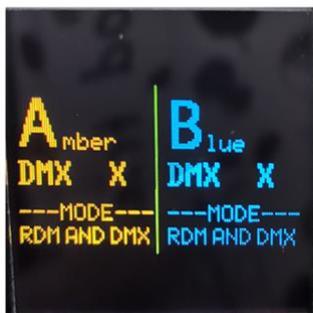
Control Panel



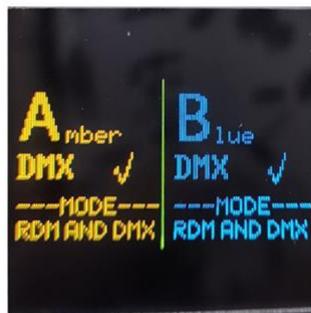
- A: Display
- B: Up button
- C: Left button
- D: Home button
- E: Down button
- F: Right button

Main Menu Options

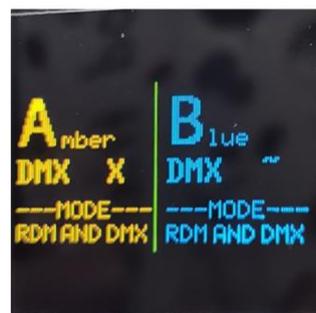
SPLIT228RDM will display the following screen upon start-up:



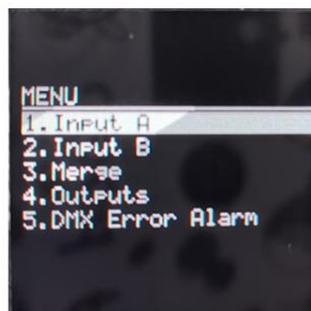
No DMX signal



DMX signal present



DMX Signal Weak



Press **Left** to enter the main menu. The following options will be displayed:

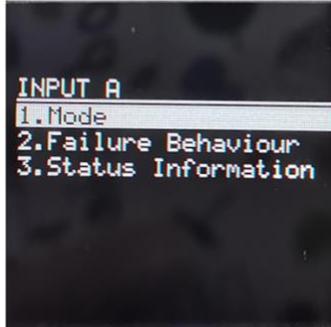
- Input A
- Input B
- Merge
- Outputs
- DMX Error Alarm

Press **Up/Down** to move the selection.

Press **Right** to enter the selected option.
Press **Left** to return to the previous screen.
Press **Home** to return to the main menu.

Input A/Input B

Use these options to select either Input A or Input B and adjust the settings of that input.

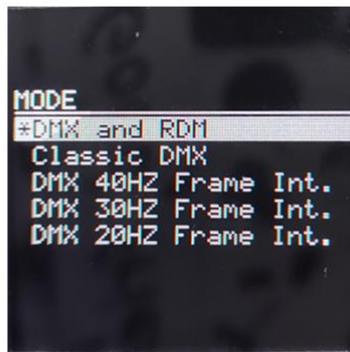


Press **Up/Down** to select one of the options:

- Mode
- Failure Behaviour
- Status Information

Press **Right** to enter the selected option.

Mode



Press **Up/Down** to select the desired DMX mode from the following options:

- DMX and RDM (SPLIT228RDM functions as a bi-directional RDM splitter)
- Classic DMX (SPLIT228RDM only receives DMX signals, disables RDM)
- DMX 40Hz Frame Int. (Frame integrity ON)
- DMX 30Hz Frame Int. (Frame integrity ON)
- DMX 20Hz Frame Int. (Frame integrity ON)
- DMX 10Hz Frame Int. (Frame integrity ON)
- DMX 40 Hz (Frame integrity OFF)
- DMX 30Hz (Frame integrity OFF)
- DMX 20Hz (Frame integrity OFF)
- DMX 10Hz (Frame integrity OFF)

Press **Right** to confirm the selection.

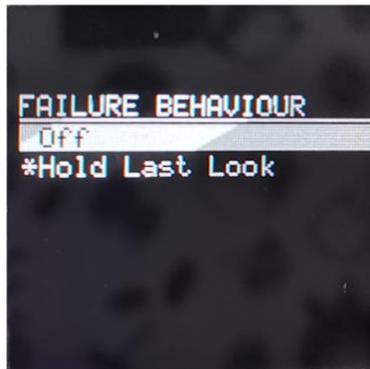
Frame Integrity

On – Incoming DMX data will be received and used as a whole package, providing smooth performance, with a longer delay time.

Off – Incoming DMX data will not be used as a whole package, and SPLIT228RDM will react immediately to DMX input adjustments, resulting in shorter delay times. However, not all changes will be visible until a new DMX data package is loaded.

Failure Behaviour

This option determines how SPLIT228RDM reacts to a DMX signal error.



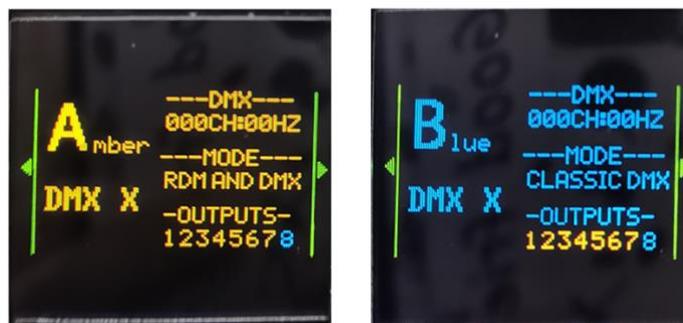
Press **Up/Down** to select from the following options:

- Off: SPLIT228RDM will black out the output.
- Hold Last Look: SPLIT228RDM will continue to display the last working DMX signal.

Press **Right** to confirm the selection.

Status Information

This option displays the currently active DMX channel, frequency, operation mode and any assigned outputs.



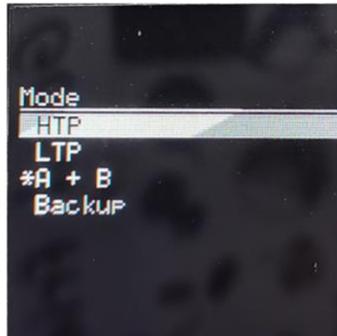
Press **Up/Down** to view the incoming DMX signal values.



Merge

Mode

Use this option to configure Merge settings.



Press **Up/Down** to select from the following options:

- HTP: Highest level of source A OR B on a merged channel takes priority.
- LTP: Last changed level of source A OR B on a merged channel takes priority.
- A+B: Select the start address of the second controller. The address must be between 1 and 512. Source A starts at 1 and Source B starts at the selected address.
 - Example: When using two 36 channel controllers, set A+B to 37. 1-36 will be from source A and 37-72 will be from source B.
- Backup: Source A is higher priority until signal is lost.

Press **Right** to confirm the selection.

Frame Rate

Use this option to select the desired DMX refresh rate after a Merge is configured.



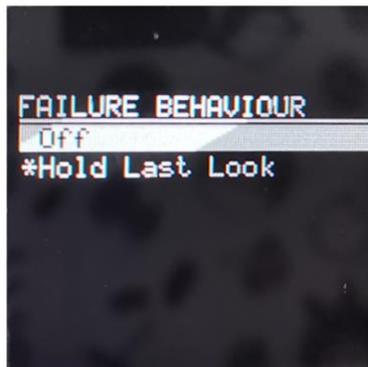
Press **Up/Down** to select from the following options:

- DMX 40Hz
- DMX 30Hz
- DMX 20Hz
- DMX 10Hz

Press **Right** to confirm the selection.

Failure Behaviour

This option determines how SPLIT228RDM reacts to a DMX signal error.



Press **Up/Down** to select from the following options:

- Off: SPLIT228RDM will black out the output.
- Hold Last Look: SPLIT228RMD will continue to display the last working DMX signal.

Press **Right** to confirm the selection.

Outputs

Use this option to display status information about the selected output.

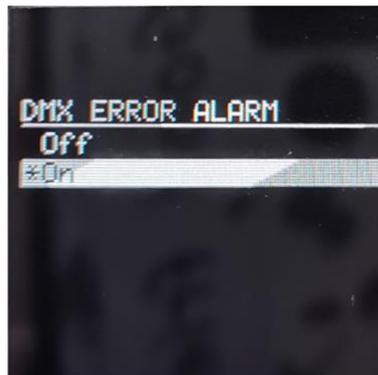
Press **Up/Down** to select from the following options:

- Output 1
- Output 2
- Output 3
- Output 4
- Output 5
- Output 6
- Output 7
- Output 8

Press **Enter** to confirm the selection.

DMX Error Alarm

Use this option to select whether an alert should be displayed when a DMX output error is detected.



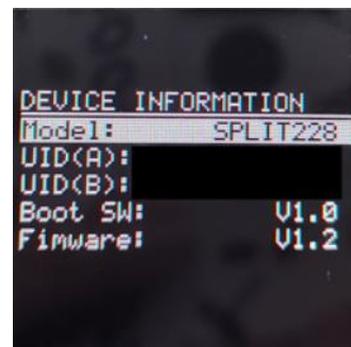
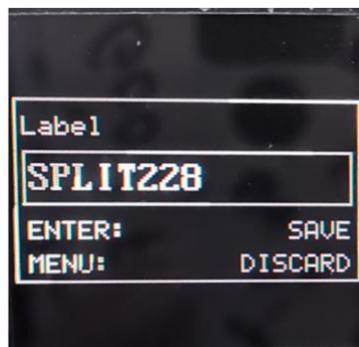
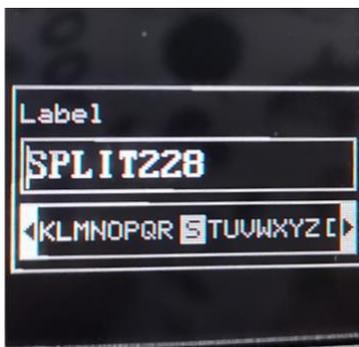
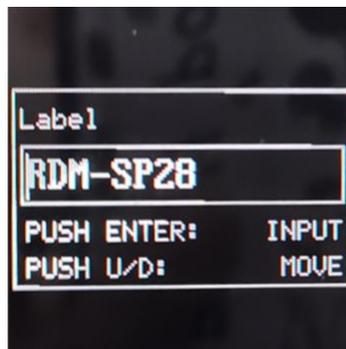
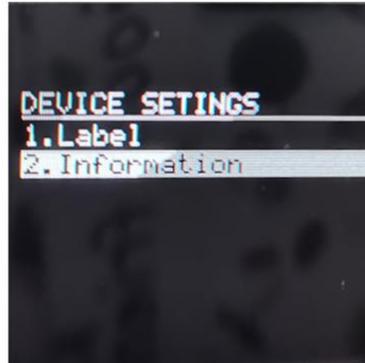
Press **Up/Down** to select from the following options:

- Off
- On

Press **Enter** to confirm the selection.

Settings

Use this option to configure SPLIT228RDM.



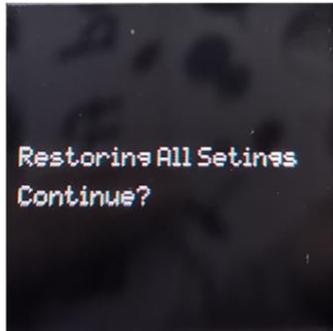
Press **Up/Down** to select from the following options:

- Label: View and edit the display name of the unit.
- Information: Display the unit's unique identifiers, software and firmware versions.

Press **Enter** to confirm the selection.

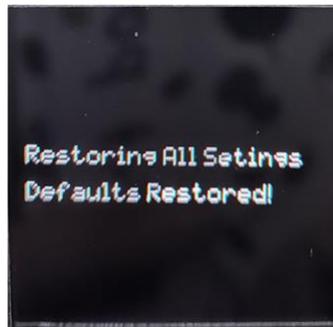
Default Settings

Use this option to reset SPLIT228RDM to factory default settings.



Press **Left** to cancel.

Press **Right** to continue with the factory reset. The following screen will be displayed once the process is complete.



Technical Specifications

Protocol: DMX512 and RDM.

Input Voltage: 100-240V AC 50/60Hz.

Power Consumption: 5W.

Connections: 2x 5-pin DMX IN, 8x 5-pin DMX OUT, Powercon in.

Fuse: F1AL/250V.

Dimensions: 483x145x46 mm

Weight: 2kg

Warranty

Please refer to your local dealer or contact Event Lighting.