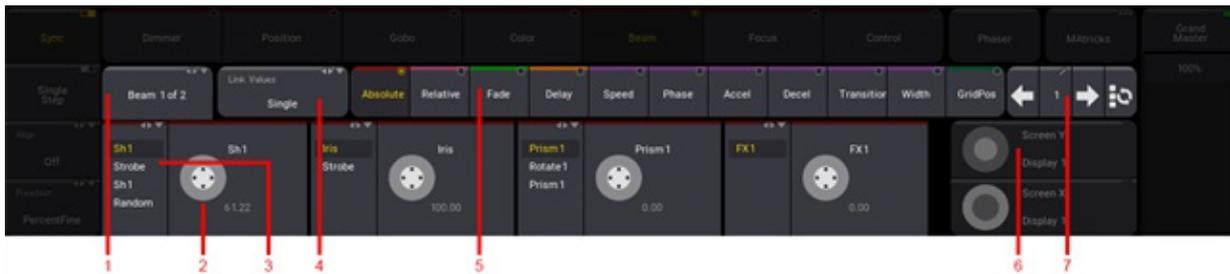


Encoder Toolbar

The encoder toolbar represents the largest portion of the encoder bar. The encoder toolbar is context-sensitive and displays different sets of controls as different editors become active. The default set of controls in the encoder toolbar provides access to and display of attribute encoder information.



Encoder toolbar

Attribute controls available in the encoder toolbar include:

1. Feature button. This button displays the name of the current feature. It also indicates the total number of features available in the current feature group.
Tap to cycle through features or tap and swipe to open a pop-up menu with available features.
For more information about features and feature groups, see the [Feature Group](#) topic.
2. Attribute encoder display. These buttons display the names of the attributes currently linked to the encoders, and show the values of those attributes.
The center of the encoder icon includes an additional image, which changes depending upon the current resolution of the encoder. For more information on encoder resolution, see the [Encoder Resolution](#) topic.
To open the calculator, tap the attribute name field or the attribute value field. For more information about attributes and subattributes, see the [Attribute Definitions](#) topic.
To change the value using a gesture in the the user interface; tap and hold or click and hold on the desired encoder icon; if desired, drag the pointer to another area of the screen (this moves the center of the virtual encoder to this new point); drag to draw circles around the center of the virtual encoder in the direction of the desired change (larger circles result in finer control resolution).
3. Channel function of the attribute. These buttons display the current channel function of the attribute displayed directly to the right. They also display additional channel functions when available.
Tap to cycle through subattributes or tap and swipe to open a pop-up menu with available subattributes.
4. Link button. In cases where the same value, timing, phaser, or resolution adjustments should apply to multiple attributes, the link button offers a few options for defining multiple, simultaneous attribute destinations. For more information about the link button, see the section below.
5. Layer toolbar. The default layer is absolute. Tap any layer button in the toolbar to access the desired layer on the attribute encoders. For more information about the layer toolbar, see the section below.
6. Screen encoder. If the screen encoder is enabled in the user profile settings of the current user, this area displays the basic functionality of the screen encoder. If the screen encoder is disabled in the current user profile, the functionality of the fifth dual encoder will be similar to that of the other four, and the display in this area will also be similar to the displays above the other four encoders. For more information about the screen encoder, see the [User Settings](#) topic.



7. Step bar. The left and right arrows allow navigation between phaser steps in the programmer. The step number button displays the current phaser step in the programmer. Tap the step number button to open a calculator to choose a specific step. Tap the button to the right of the right-arrow to select all phaser steps. For more information about phaser steps, see the [Phasers](#) topic.

Link Button

The link button maintains different link settings for the different types of layers found in the layer toolbar as well as encoder resolution. The text in the link button will update automatically to show the link setting of the current layer type. The available link settings are:

- Single. Adjustments made on one encoder apply only to the attribute on that encoder.
- Feature. Adjustments made to one encoder within a feature apply simultaneously to all attributes in the feature.
- At filter. Adjustments made to one encoder apply simultaneously to all attributes currently enabled in the at filter.

Link Values

Value layers include:

- Absolute
- Relative

When a value layer is selected, tap **Link Values** to cycle through the link options or tap and swipe to open a pop-up menu with all of the available link options. The available link options for value layers include:

- Single
- Feature

Link Timing

Timing layers include:

- Fade
- Delay

When a timing layer is selected, tap **Link Timing** to cycle through the link options or tap and swipe to open a pop-up menu with all of the available link options. The available link options for timing layers include:

- Single
- Feature
- At filter

Link Phasers

Phaser layers include:



- Speed
- Phase
- Accel
- Decel
- Transition
- Width

When a phaser layer is selected, tap **Link Phaser** to cycle through the link options or tap and swipe to open a pop-up menu with all of the available link options. The available link options for phaser layers include:

- Single
- Feature
- At filter

Link GridPos

The only available link type when the GridPos layer is selected is the at filter. The link button changes to an **At Filter** button. Tap **At Filter** to open a temporary version of the at filter window. For more information about the at filter, see the **At Filter** topic.

Link Resolution

While the MA key is pressed and held, tap **Link Resolution** to cycle through the link options or tap and swipe to open a pop-up menu with all of the available link options. The available link options for encoder resolution include:

- Single
- Feature

Layer Toolbar

Presets and cues can store and recall multiple layers of data for each attribute. The layer toolbar provides access to all available layers. Layers are color-coded. Markers and text backgrounds using matching colors in the attribute encoder displays, feature group buttons, fixture sheet, and sequence sheet denote active or stored data for the corresponding layer. For more information about colors, see the **Colors** topic.

Tap a button in the layer toolbar to access data for the desired layer. The attribute encoders and any sheet with a layer selection set to auto will display the desired layer. For more information about value and timing layers, see the **What is the Programmer** topic. For more information about phaser layers, see the **Phasers** topic. For more information about using GridPos to create MAgic presets, see the **Create New Presets** topic.



Hint:

When the programmer is clear, the bars across the top of the attribute encoder displays and the channel function displays are grey. As the selection changes, the bars across the top of any attributes and channel functions available in the current selection change color. The color coordinates with the color of the current layer in the layer toolbar.

The lights under the dual-encoders also follow the same behavior.