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# SPX-GC Template Pack "Elemento"

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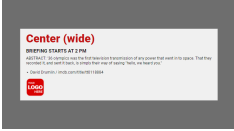
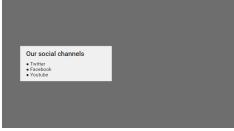
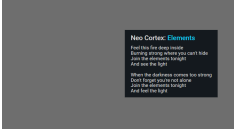


## Introduction


"**Elemento**" is a premium pack of 8 templates for SPX-GC with customizable colors, fonts and in/out - animations.

- 8 templates in HD resolution (1920x1080)
- Animated IN and OUT animations
- Customizable dark and light color schemas
- Animation speed and direction parameters
- Backgrounds on/off
- Inline `<focus>` tag for emphasizing text sections
- All text fields supports a custom `focus` -tag and normal inline HTML and CSS tags such as bold `<B>`, italic `<I>`, underline `<U>`, colors or any other style parameter. See below for a basic example:

```
<u>Underlined</u> text or <font color="green">in color</font>.
Elemento has a <focus>FOCUS -tag</focus> for emphasizing text.
```

Template	Description	Possible example
Big Text	Very big text center of the screen with headline. Can be used for example as a title of the stream or as a headline between segments or as a quote.	
Bottom Left	A lower third, left side, name strap or other information with three optional text lines.	
Bottom Right	A lower third, right side, name strap or other information with three optional text lines.	

Template	Description	Possible example
Center	A headline or title template with two text lines and a multiline textbox and an optional logo image from <code>ASSETS/media/images/logo</code> -folder. The files must be in png-format, optimal size is 150x150px and with transparent background color. Template has an option to change it's width to normal or wide (as shown in the example image here).	
Column Left	Headline and a multiline textarea for free texts such as lists or other information. Textarea supports inline html and CSS tags and emojis.	
Column Right	Headline and a multiline textarea for free texts such as lists or other information. Textarea supports inline html and CSS tags and emojis.	
Top Left	Simple text strap for supporting info such as <i>live, recorder earlier</i> , date or location information.	
Top Right	Simple text strap for supporting info such as <i>live, recorder earlier</i> , date or location information.	

 Please see <https://spxgc.com/store> for other templates which can complement this template pack. For instance [The Bug](#) and [ImageLayer](#) are excellent generic utility templates to work with any template pack or design. And the [Faith-template](#) is a good companion of the Elemento-pack for church services.

## Installation

All SPX-GC templates must be installed to SPX-GC's installation folder's ASSET/templates folder. The recommended folder structure for good housekeeping is:

```

ASSETS
├── templates
│   ├── Developer-1
│   ├── Developer-2
│   └── Developer-3
│       ├── PackName-1
│       └── PackName-2
│           ├── css
│           ├── js
│           ├── img
│           ├── Template1.html
│           └── Template2.html
    
```

Using the above principle, unzip the template package to **/ASSETS/templates/smartpx/elemento**

Templates on SPX-GC Store are also available as *an installer* (for Windows only) which will extract files to their correct positions automatically.

**PLEASE NOTE** The Elemento -template pack comes with example logos which need to be saved to **ASSETS/media/images/logo** -folder if doing a manual installation.

## Add template to a project

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- Go into SPX-GC application
- Open (or create) a project
- Go to **Project Settings**
- Browse available templates with **[+]** button
- Pick a template and click **SELECT**
- In project settings you can change some settings, such as server and layer to be used for playout, accent color etc. Typically these settings does not need to be changed.

## Basic usage

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Templates in the Elemento pack are typical HTML-graphics for SPX-GC Graphics Controller. Once installed they can be *added* to a project and then they can be added as items to the rundowns of that project.

All templates will come **IN** with **play** command, and will go **OUT** with **stop** command. None of the templates in this pack use **continue** command or auto-out feature (by default - yet this can be overridden in the **project settings**).

Sometimes it can be useful to add the **same** template to the project for **more than once**, so each instance can be set to render on different layer (or CasparCG server).

## Template customizations

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**⚠ REMEMBER** to make backup copies of original files before making any changes!

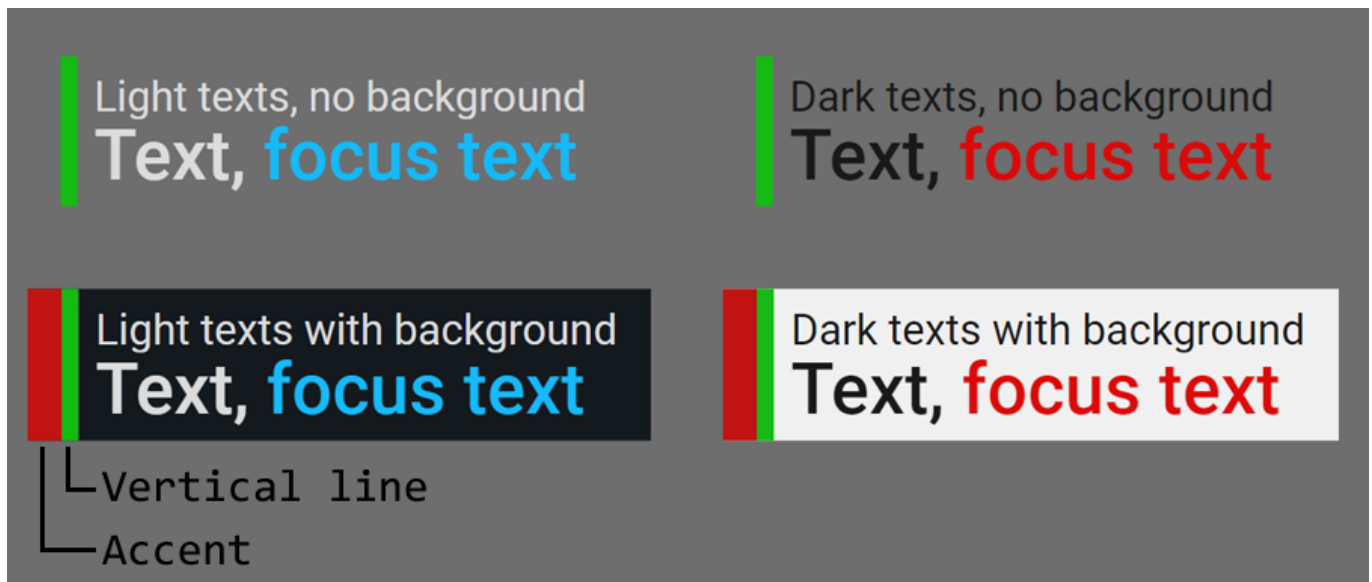
Elemento template pack loads colors and animation parameters from **customize.js** -JavaScript file. See also section **font changes**.

The settings in the customize.css are divided into sections such as *colors* and *animation* and the parameter names are rather self-explanative. See below tables for more information. Note: RGBA-colors are recommended to allow for transparency for instance in backgrounds.

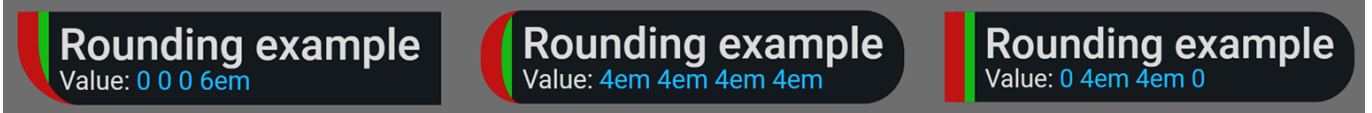
### colors

Parameter	Description	Example value
<code>darkText</code>	Dark text color.	<code>rgba( 25, 25, 25, 1.0)</code>
<code>darkBack</code>	Light background for dark texts.	<code>rgba( 20, 25, 30, 1.0)</code>
<code>darkFocus</code>	Focus text color on light backgrounds.	<code>rgba(220, 10, 10, 1.0)</code>
<code>liteText</code>	Light text color.	<code>rgba(220, 220, 220, 1.0)</code>
<code>liteBack</code>	Dark background color for lite texts.	<code>rgba(240, 240, 240, 1.0)</code>
<code>liteFocus</code>	Focus text color on dark backgrounds.	<code>rgba( 22, 186, 250, 1.0)</code>
<code>accent</code>	Brand accent color. This will show as a vertical rectangle with the background. The width of the color accent is set with <code>accentSize</code> parameter.	<code>rgba(194, 19, 19, 1.0)</code>
<code>vline</code>	Additional vertical line color next to accent. This will always be present, even when the background is disabled. The width of the color accent is set with <code>vlineSize</code> parameter.	<code>rgba(194, 19, 19, 1.0)</code>

Examples of a color schema being used with different template options:



**rounding** parameter set's *border-radius* CSS values of the background rectangle and can result in various interesting shapes, see examples below:



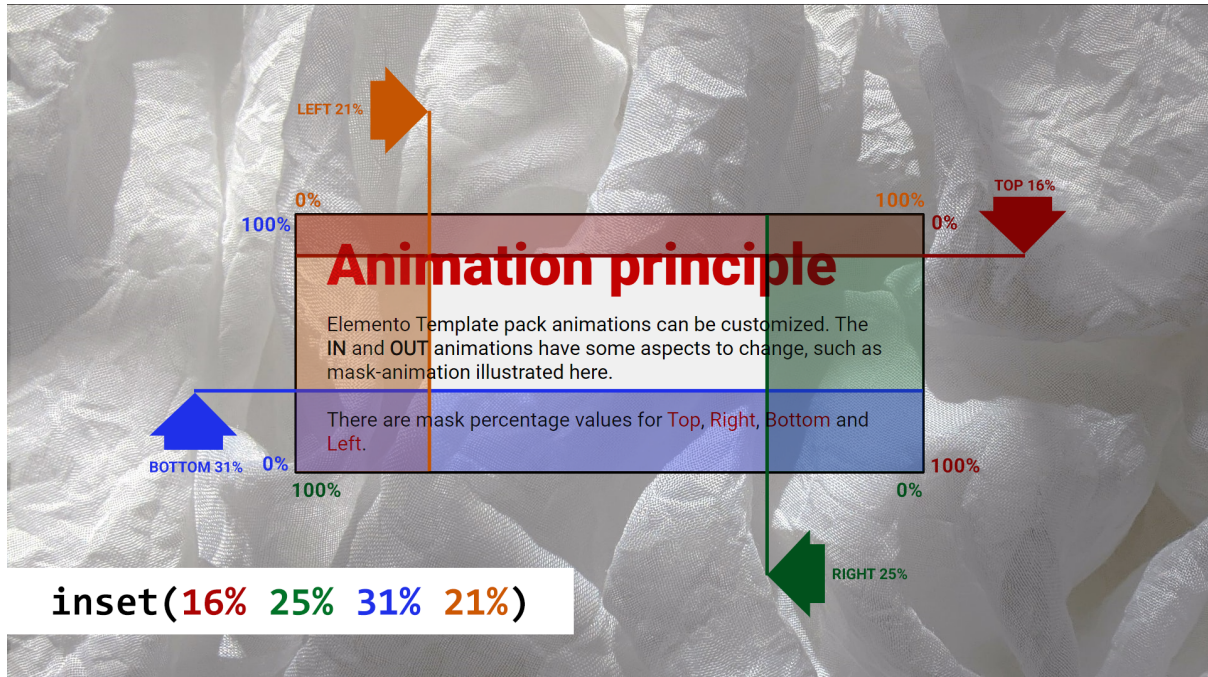
## animation

Elemento template has configurations to personalize several aspects of IN and OUT animations of graphics. The root element of the graphic has parameters in the **rect1** section and each of the three text lines has similar parameters.

**easing** property effects the overall "mood" of the animation. An uninteresting, cheap and robotic motion can be achieved with **linear** easing. Whereas values such as **easeOutQuart** or **easeOutBack** creates more subtle and professional impression. Please see <https://easings.net/> for a comprehensive list of various easing functions.

Parameter	Description	Example value
<b>easign</b>	The acceleration & deceleration function of all animated parameters. Reference of optional values: <a href="https://easings.net/">https://easings.net/</a>	<b>easeOutQuart</b>
<b>duration</b>	Animation duration in milliseconds (of each item individually. The overall duration of the animation is a sum of duration and each of the <b>textdelays</b> combined, see below.)	<b>600</b>
<b>startClip, endClip</b>	In animation's begin value (startClip) and out animation's end values (endClip) are implemented as CSS <b>clip-path</b> values using an <b>inset</b> shape, which takes in percentage values for <b>top, right, bottom</b> and <b>left</b> sides respectively. Value 0% represents no clipping from that direction, whereas 100% represents full clipping originating from that direction.  With these values different kinds of animations can be created. Please refer to below picture and experiment with different values. You can also use <a href="https://bennettfeely.com/clippy/">https://bennettfeely.com/clippy/</a> as a reference by choosing the <b>inset</b> shape and pulling the coloured handles in the preview area.	<b>inset(0% 0% 100% 0%)</b>  (a 'full clip" from bottom direction upwards)
<b>textdelay</b>	A delay before starting the animation of a text element. Each textline has this property available.	<b>200</b>
<b>startXpos</b>	A relative horizontal starting position of a text item in pixels. Positive values are from the right and negative values are from the left of the default position. A value of 0 does not animate the position in this direction at all. Each textline has this property available.	<b>-100</b>

Parameter	Description	Example value
<code>startYpos</code>	A relative vertical starting position of a text item in pixels. Positive values are from below and negative values are from above of the default position. A value of 0 does not animate the position in this direction at all. Each textline has this property available.	50
<code>opacity</code>	A starting opacity of a text item in range 0.0 - 1.0 to create a fade-in effect. A value of 1 does not animate the opacity at all. Each textline has this property available.	0



## Example Configurations

The template pack comes with example customizations in the `example_customizations/` -folder. Please note the customizations does not effect the fonts being used and they must be configured separately with the CSS styles, see [changing fonts](#) -section.

File	Description
<code>CUSTOMIZE_default.js</code>	Default style values as a backup. Professional basic theme with white and black with red accents
<code>CUSTOMIZE_spxgc.js</code>	Grey / green coloschema with stylish animations
<code>CUSTOMIZE_smartpx.js</code>	Blue coloschema with some rounded corners and smooth animations
<code>CUSTOMIZE_memorial.js</code>	Star and Stripes -color schema with a smooth, rounded corner
<code>CUSTOMIZE_purple.js</code>	Fully rounded corners and a purple/ blue color schema
<code>CUSTOMIZE_impactful.js</code>	Snappy animations and a striking yellow / black / green colos schema

To test any of the examples, open one of the demo files (such as `CUSTOMIZE_smartpx.js`) in a text editor, select all content and **copy**. Then open the `customize.js` from the root folder of the template pack, select all, delete and **paste** the demo content and **save** the file. Then go back to SPX-GC and take template **OUT** and **IN** to see the overall style and animation changes.

Also remember to **change fonts** to better match typography with the selected style.

You can use the **same template pack** in several project's, using different styles, by copying the entire template pack -folder (such as `/Elemento`) to for example `/Elemento-purple` and by changing the contents of `customize.js` and `css/spx_elemento.css` to the desired settings and then **add** those copied templates to your second ("Purple") project in SPX-GC.

## Font changes

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**Customization options** effects colors and animations, but font changes must be done separately using CSS font family links:

- place new font files to the `fonts/` sub folder (for instance TrueType .TTF or OpenType .OTF font files)
- link font files to the templates by modifying font-families in `css/spx_elemento.css` -file. Note, if there are several, conflicting settings present in the file, the last ones will be used, since the settings are applied starting from the top of the file and subsequent settings will override all previously applied values.
- CSS file has a `----text-shadow-opacity` variable for enabling an "outline" around texts. By default is 0 but when increased up to 1 the outlines / shadows become visible.

**NOTE** - Font files must be stored as local files because SPX-GC is designed to be used in production environments without internet connectivity and therefore webfont usage directly from a hosted URLs is *not recommended*.

## Support

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Premium template customers will receive bug fix updates, by email, free of charge within one year of purchase. If you have any questions or concerns, please use these resources:

- [SPX-GC Knowledge Base](#)
- Chat widget on [spxgc.com](#)
- email: [info@spxgc.com](mailto:info@spxgc.com)

## Terms of use

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- **FREE** (can be shared and adapted)

- **PREMIUM** (can not be shared)

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