

Package: sparkler (via r-universe)

May 19, 2026

Title Visual Effects and Atmospheric Overlays for 'Shiny' and 'R Markdown'

Version 0.1.1

Description Add lightweight visual effects to Shiny applications, R Markdown documents, and Quarto presentations using htmlwidgets. The package includes celebratory effects such as confetti and fireworks, along with atmospheric effects such as snow, rain, and meteors. Effects can be used as full-screen overlays or, for selected effects, within contained regions for storytelling, highlighting, and presentation design.

License GPL (>= 3)

URL <https://codingtigertang.github.io/sparkler>,
<https://github.com/CodingTigerTang/sparkler>

BugReports <https://github.com/CodingTigerTang/sparkler/issues>

Encoding UTF-8

Imports htmlwidgets, shiny

Suggests knitr, rmarkdown

VignetteBuilder knitr

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Config/pak/sysreqs cmake make libuv1-dev zlib1g-dev

Repository <https://codingtigertang.r-universe.dev>

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confetti	<i>Launch Confetti</i>
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Description

Triggers a confetti explosion to the Shiny app or Quarto/RMarkdown document.

Usage

```
confetti(
  particle_count = 100,
  spread = 70,
  width = NULL,
  height = NULL,
  elementId = NULL
)
```

```
confettiOutput(outputId, width = "100%", height = "0px")
```

```
renderConfetti(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

<code>particle_count</code>	Integer. Number of particles to fire (default 150).
<code>spread</code>	Integer. How wide the explosion is in degrees (default 100).
<code>width</code>	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number.
<code>height</code>	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number.
<code>elementId</code>	Use an explicit element ID for the widget (optional).
<code>outputId</code>	output variable to read from
<code>expr</code>	An expression that generates a confetti
<code>env</code>	The environment in which to evaluate <code>expr</code> .
<code>quoted</code>	Is <code>expr</code> a quoted expression (with <code>quote()</code>)?

`fireworks`*Launch Fireworks*

Description

Triggers a fireworks display to the Shiny app or Quarto/RMarkdown document.

Usage

```
fireworks(  
  duration = 5,  
  speed = 1,  
  width = "100%",  
  height = "0px",  
  elementId = NULL  
)
```

```
fireworksOutput(outputId, width = "100%", height = "0px")
```

```
renderFireworks(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

<code>duration</code>	Number of seconds to run (default 5).
<code>speed</code>	Number. Speed of simulation (default 1).
<code>width</code>	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number.
<code>height</code>	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number.
<code>elementId</code>	Optional ID.
<code>outputId</code>	output variable to read from
<code>expr</code>	An expression that generates fireworks
<code>env</code>	The environment in which to evaluate <code>expr</code> .
<code>quoted</code>	Is <code>expr</code> a quoted expression?

`run_demo`*Run the Sparkler Demo App*

Description

Launches a Shiny app showcasing confetti, fireworks, and weather effects.

Usage

```
run_demo()
```

 weather

Start Weather Effect

Description

Adds a full-screen overlay of rain, snow, or meteors to the Shiny app or Quarto/RMarkdown document.

Usage

```
weather(
  type = "snow",
  density = 1,
  speed = 1,
  fullscreen = NULL,
  width = NULL,
  height = NULL,
  elementId = NULL
)
```

```
weatherOutput(outputId, width = "100%", height = "0px")
```

```
renderWeather(expr, env = parent.frame(), quoted = FALSE)
```

Arguments

type	Character. One of "snow", "rain", "meteor", or "none" (to stop the effect).
density	Numeric. Multiplier for particle count (default 1).
speed	Numeric. Multiplier for movement speed (default 1).
fullscreen	Logical. If TRUE, forces the effect to cover the whole page (useful for RMarkdown). If NULL (default), it auto-detects if you are in Shiny.
width	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number.
height	Must be a valid CSS unit (like '100%', '400px', 'auto') or a number.
elementId	Optional ID.
outputId	output variable to read from
expr	An expression that generates weather
env	The environment in which to evaluate expr.
quoted	Is expr a quoted expression?

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