

bxSlider 4.2.3

The fully-loaded, responsive jQuery content slider

Why should I use this slider?

- Fully responsive - will adapt to any device
- Horizontal, vertical, and fade modes
- Slides can contain images, video, or HTML content
- Full callback API and public methods
- Small file size, fully themed, simple to implement
- Browser support: Firefox, Chrome, Safari, iOS, Android, IE7+
- Tons of configuration options

For complete documentation, tons of examples, and a good time, visit:

<http://bxslider.com>

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Let's get on with it!

Installation

Step 1: Link required files

First and most important, the jQuery library needs to be included (no need to download - link directly from Google). Next, download the package from this site and link the bxSlider CSS file (for the theme) and the bxSlider Javascript file.

```
<!-- jQuery library (served from Google) -->  
<script src="//ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>
```

```
<!-- bxSlider Javascript file -->
<script src="/js/jquery.bxslider.min.js"></script>
<!-- bxSlider CSS file -->
<link href="/lib/jquery.bxslider.css" rel="stylesheet" />
```

Step 2: Create HTML markup

Create a `<ul class="bxslider">` element, with a `` for each slide. Slides can contain images, video, or any other HTML content!

```
<ul class="bxslider">
  <li></li>
  <li></li>
  <li></li>
  <li></li>
</ul>
```

Step 3: Call the bxSlider

Call `.bxSlider()` on `<ul class="bxslider">`. Note that the call must be made inside of a `$(document).ready()` call, or the plugin will not work!

```
$(document).ready(function(){
  $('.bxslider').bxSlider();
});
```

Configuration options

General

mode Type of transition between slides

```
default: 'horizontal'
options: 'horizontal', 'vertical', 'fade'
```

speed Slide transition duration (in ms)

```
default: 500
options: integer
```

slideMargin Margin between each slide

```
default: 0
options: integer
```

startSlide Starting slide index (zero-based)

```
default: 0
options: integer
```

randomStart Start slider on a random slide

```
default: false
options: boolean (true / false)
```

slideSelector Element to use as slides (ex. 'div.slide').

Note: by default, bxSlider will use all immediate children of the slider element

```
default: ''
options: jQuery selector
```

infiniteLoop If true, clicking "Next" while on the last slide will transition to the first slide and vice-versa

```
default: true
options: boolean (true / false)
```

hideControlOnEnd If true, "Prev" and "Next" controls will receive a class disabled when slide is the first or the last

Note: Only used when infiniteLoop: false

```
default: false
options: boolean (true / false)
```

easing The type of "easing" to use during transitions. If using CSS transitions, include a value for the transition-timing-function property. If not using CSS transitions, you may include plugins/jquery.easing.1.3.js for many options.

See <http://gsgd.co.uk/sandbox/jquery/easing/> for more info.

```
default: null
options: if using CSS: 'linear', 'ease', 'ease-in', 'ease-out', 'ease-in-out',
'cubic-bezier(n,n,n,n)'. If not using CSS: 'swing', 'linear' (see the above file for
more options)
```

captions Include image captions. Captions are derived from the image's title attribute

```
default: false
options: boolean (true / false)
```

ticker Use slider in ticker mode (similar to a news ticker)

```
default: false
options: boolean (true / false)
```

tickerHover Ticker will pause when mouse hovers over slider. Note: this functionality does NOT work if using CSS transitions!

```
default: false
options: boolean (true / false)
```

adaptiveHeight Dynamically adjust slider height based on each slide's height

```
default: false
options: boolean (true / false)
```

adaptiveHeightSpeed Slide height transition duration (in ms). Note: only used

```
if adaptiveHeight: true
default: 500
options: integer
```

video If any slides contain video, set this to true. Also,

include `plugins/jquery.fitvids.js`

See <http://fitvidsjs.com/> for more info

default: false

options: boolean (true / false)

responsive Enable or disable auto resize of the slider. Useful if you need to use fixed width sliders.

default: true

options: boolean (true / false)

useCSS If true, CSS transitions will be used for horizontal and vertical slide animations (this uses native hardware acceleration). If false, jQuery animate() will be used.

default: true

options: boolean (true / false)

preloadImages If 'all', preloads all images before starting the slider. If 'visible', preloads only images in the initially visible slides before starting the slider (tip: use 'visible' if all slides are identical dimensions)

default: 'visible'

options: 'all', 'visible'

touchEnabled If true, slider will allow touch swipe transitions

default: true

options: boolean (true / false)

swipeThreshold Amount of pixels a touch swipe needs to exceed in order to execute a slide transition. Note: only used if touchEnabled: true

default: 50

options: integer

oneToOneTouch If true, non-fade slides follow the finger as it swipes

default: true

options: boolean (true / false)

preventDefaultSwipeX If true, touch screen will not move along the x-axis as the finger swipes

default: true

options: boolean (true / false)

preventDefaultSwipeY If true, touch screen will not move along the y-axis as the finger swipes

default: false

options: boolean (true / false)

wrapperClass Class to wrap the slider in. Change to prevent from using default bxSlider styles.

```
default: 'bx-wrapper'  
options: string
```

Pager

pager If true, a pager will be added

```
default: true  
options: boolean (true / false)
```

pagerType If 'full', a pager link will be generated for each slide. If 'short', a x / y pager will be used (ex. 1 / 5)

```
default: 'full'  
options: 'full', 'short'
```

pagerShortSeparator If pagerType: 'short', pager will use this value as the separating character

```
default: ' / '  
options: string
```

pagerSelector Element used to populate the pager. By default, the pager is appended to the bx-viewport

```
default: ''  
options: jQuery selector
```

pagerCustom Parent element to be used as the pager. Parent element must contain a <a data-slide-index="x"> element for each slide. See example [here](#). Not for use with dynamic carousels.

```
default: null  
options: jQuery selector
```

buildPager If supplied, function is called on every slide element, and the returned value is used as the pager item markup.

See [examples](#) for detailed implementation

```
default: null  
options: function(slideIndex)
```

Controls

controls If true, "Next" / "Prev" controls will be added

```
default: true  
options: boolean (true / false)
```

nextText Text to be used for the "Next" control

```
default: 'Next'  
options: string
```

prevText Text to be used for the "Prev" control

```
default: 'Prev'  
options: string
```

nextSelector Element used to populate the "Next" control

```
default: null  
options: jQuery selector
```

prevSelector Element used to populate the "Prev" control

```
default: null  
options: jQuery selector
```

autoControls If true, "Start" / "Stop" controls will be added

```
default: false  
options: boolean (true / false)
```

startText Text to be used for the "Start" control

```
default: 'Start'  
options: string
```

stopText Text to be used for the "Stop" control

```
default: 'Stop'  
options: string
```

autoControlsCombine When slideshow is playing only "Stop" control is displayed and vice-versa

```
default: false  
options: boolean (true / false)
```

autoControlsSelector Element used to populate the auto controls

```
default: null  
options: jQuery selector
```

keyboardEnabled Enable keyboard navigation for visible sliders

```
default: false  
options: boolean (true / false)
```

Auto

auto Slides will automatically transition

```
default: false  
options: boolean (true / false)
```

pause The amount of time (in ms) between each auto transition

```
default: 4000  
options: integer
```

autoStart Auto show starts playing on load. If `false`, slideshow will start when the "Start" control is clicked

```
default: true
options: boolean (true / false)
```

autoDirection The direction of auto show slide transitions

```
default: 'next'
options: 'next', 'prev'
```

autoHover Auto show will pause when mouse hovers over slider

```
default: false
options: boolean (true / false)
```

autoDelay Time (in ms) auto show should wait before starting

```
default: 0
options: integer
```

Carousel

minSlides The minimum number of slides to be shown. Slides will be sized down if carousel becomes smaller than the original size.

```
default: 1
options: integer
```

maxSlides The maximum number of slides to be shown. Slides will be sized up if carousel becomes larger than the original size.

```
default: 1
options: integer
```

moveSlides The number of slides to move on transition. This value must be \geq `minSlides`, and \leq `maxSlides`. If zero (default), the number of fully-visible slides will be used.

```
default: 0
options: integer
```

slideWidth The width of each slide. This setting is required for all horizontal carousels!

```
default: 0
options: integer
```

Callbacks

onSliderLoad Executes immediately after the slider is fully loaded

```
default: function(){} 
```

```
options: function(currentIndex){ // your code here }
arguments:
  currentIndex: element index of the current slide
```

onSliderResize Executes immediately after the slider is resized

```
default: function({})
options: function(currentIndex){ // your code here }
arguments:
  currentIndex: element index of the current slide
```

onSlideBefore Executes immediately before each slide transition.

```
default: function({})
options: function($slideElement, oldIndex, newIndex){ // your code here }
arguments:
  $slideElement: jQuery element of the destination element
  oldIndex: element index of the previous slide (before the transition)
  newIndex: element index of the destination slide (after the transition)
```

onSlideAfter Executes immediately after each slide transition. Function argument is the current slide element (when transition completes).

```
default: function({})
options: function($slideElement, oldIndex, newIndex){ // your code here }
arguments:
  $slideElement: jQuery element of the destination element
  oldIndex: element index of the previous slide (before the transition)
  newIndex: element index of the destination slide (after the transition)
```

onSlideNext Executes immediately before each "Next" slide transition. Function argument is the target (next) slide element.

```
default: function({})
options: function($slideElement, oldIndex, newIndex){ // your code here }
arguments:
  $slideElement: jQuery element of the destination element
  oldIndex: element index of the previous slide (before the transition)
  newIndex: element index of the destination slide (after the transition)
```

onSlidePrev Executes immediately before each "Prev" slide transition. Function argument is the target (prev) slide element.

```
default: function({})
options: function($slideElement, oldIndex, newIndex){ // your code here }
arguments:
  $slideElement: jQuery element of the destination element
  oldIndex: element index of the previous slide (before the transition)
  newIndex: element index of the destination slide (after the transition)
```

Public methods

goToSlide Performs a slide transition to the supplied slide index (zero-based)


```
example:
slider = $('.bxslider').bxSlider();
slider.goToSlide(3);
```

goToNextSlide Performs a "Next" slide transition

```
example:
slider = $('.bxslider').bxSlider();
slider.goToNextSlide();
```

goToPrevSlide Performs a "Prev" slide transition

```
example:
slider = $('.bxslider').bxSlider();
slider.goToPrevSlide();
```

startAuto Starts the auto show. Provide an argument `false` to prevent the auto controls from being updated.

```
example:
slider = $('.bxslider').bxSlider();
slider.startAuto();
```

stopAuto Stops the auto show. Provide an argument `false` to prevent the auto controls from being updated.

```
example:
slider = $('.bxslider').bxSlider();
slider.stopAuto();
```

getCurrentSlide Returns the current active slide

```
example:
slider = $('.bxslider').bxSlider();
var current = slider.getCurrentSlide();
```

getSlideCount Returns the total number of slides in the slider

```
example:
slider = $('.bxslider').bxSlider();
var slideQty = slider.getSlideCount();
```

reloadSlider Reload the slider. Useful when adding slides on the fly. Accepts an optional settings object. [See here for an example.](#)

```
example:
slider = $('.bxslider').bxSlider();
slider.reloadSlider();
```

destroySlider Destroy the slider. This reverts all slider elements back to their original state (before calling the slider).

```
example:
slider = $('.bxslider').bxSlider();
slider.destroySlider();
```

Changelog

Version 4.2.3

- Minor bug fix

Version 4.2.2

- Fix: Remove unused plugin variable (#733)
- Fix: updateAfterSlideTransition not being called (#704)
- Fix: Slider stops auto advancing (#702)
- Fix: Refresh page, slider show the last item at the first in mode: 'horizontal' (#694)
- Fix: horizontal ticker stutters on loop (#669)
- Fix: Wrong bx-wrapper bottom margin with controls=true and pager=false (#647)
- Fix: add css tickerHover. (#629)
- Fix: Slider refusing to scale down, only up (#611)
- Fix: bxSlider freezes on touch devices (#540)
- Fix: Multiple fixes and improvements for Windows Mobile Devices (#596)
- Fix: Accessing bxslider's slider object inside its "onSliderLoad" callback returns undefined (#475)
- Fix: infiniteLoop glitch when scrolling from first to last slide (#429)
- Enhancement: Cancel transitions on callbacks by returning false. (#411)
- Enhancement: Added Keyboard arrow left and right support (#239)

Version 4.2.1

- Fix: Merge Conflict in dist
- Fix: modified bower.json

Version 4.2.0

- Fix: Reverse #714, fixes #722.
- Fix: Repo Tag #729
- Fix: #720 pagerCustom issues

4.2.0 Introduces a streamlined build process using [gulp](#). Along with this new build process the projects folder structure has been changed. You will find a `dist` folder with all assets ready to use, including both minified and unminified versions of the javascript. These assets should be ready to go. In `src` you will find the uncompiled assets, including a new less version of the css for bxslider. This is an important step for bxslider. It will help speed development up and keep work clean. It also paves the way for a big revamp we have planned in the future.

Unfamiliar with npm? Don't have node installed? [Download and install node.js](#) before proceeding.

From the command line:

1. Install [gulp](#) globally with `npm install -g gulp`
2. Navigate to the project directory, then run `npm install`

You now have all the necessary dependencies to run the build process.

Available gulp commands

- `gulp` — Compile and optimize all files to `dist`
- `gulp styles` — Compile css assets only to `dist`
- `gulp scripts` — Compile js assets only to `dist`
- `gulp images` - Run lossless compression on all the images and copy to `dist`
- `gulp jshint` — Checks JS and JSON code for errors based on our `.jshintrc` settings

Version 4.1.3

- Fix: responsive issue for horizontal mode for issue #611, #714
- Fix: extra space on the left when using fade mode. #715
- Fix: wrongly removing custom pager in destroySlider #610
- Fix: bug with reloading slider with custom pager #545
- Fix: Issue with infinite scroll sometimes returning to 0 #481
- Fix: When "infiniteLoop" is used, true is not passed to a clone method. #346
- Fix: "pagerCustom" won't work when using reloadSlider #171

- Fix: Remove vendor prefix for translateZ(0) #565
- Fix: give styles on focus for accessibility #228
- Fix: Minified Version out of sync.
- Fix: Remove -5px left #517
- Enhancement: Invert order call of appendControls() and appendPager() #226
- Enhancement: Various Indentation and typos in docs fixed. #551, #578
- Enhancement: Update jsDelivr with update.json for autoupdate of CDN
- Enhancement: Tag Repo so it can be included in CDNJS
- Created development branch to work from. Eventually will restructure entire repo to follow best practice setup.

Version 4.1.2

- Added `bower.json` configuration file. Manage bxSlider as a dependency using [bower](#).

Version 4.1.1

- Removed imagesLoaded library and added iframe preloading support
- Added responsive option - setting to false will prevent `$(window).resize` binding

Version 4.1

- Carousel mode (`minSlides` / `maxSlides`) was re-written to be more intuitive.
- `SlideWidth` now acts as it should (slides respect the width value).
- `SlideWidth` now properly parsed: accepts string ("600px") or integer (600).
- Slider now only needs to load visible slides (by default) in order to initialize which results in much faster loading. A "preloadImages" setting allows for configuration.

Long live Zep.