

# adaptive-scroll v0.2.0 build passing

This module allows you to scroll an AngularJS app using gyroscope.

**Note:** You need a device with a gyroscope and a browser with `requestAnimationFrame` support for smooth scrolling

We recommend [Gyrocopter extension for Chrome](#).

## Demo

Check out <http://angular-adaptive.github.io/adaptive-scroll/demo/> Demo image with Gyrocopter extension.



## Requirements

- AngularJS v 1.0+
- device with a gyroscope or a [simulator](#)
- browser with `requestAnimationFrame` support for smooth scrolling
  - iOS Safari 6+,
  - Chrome for Android 25+,
  - Opera Mobile 14+
  - Firefox for Android 19+

# Usage

We use [bower](#) for dependency management. Add

```
dependencies: {  
  "angular-adaptive-scroll": "latest"  
}
```

To your `bower.json` file. Then run

```
bower install
```

This will copy the scroll files into your `bower_components` folder, along with its dependencies. Load the script files in your application:

```
<script type="text/javascript" src="bower_components/angular/angular.js"></script>  
<script type="text/javascript"  
  src="bower_components/angular-adaptive-scroll/angular-adaptive-scroll.min.js"></script>
```

**Add the adaptive.scroll module** as a dependency to your application module:

```
var myAppModule = angular.module('MyApp', ['adaptive.scroll']);
```

and **include \$gyroscope service** as a dependency to your controller:

```
angular.module('MyApp').controller('MainCtrl',  
  function ['$scope', '$gyroscope', ($scope, $gyroscope) {  
  
  }]);
```

**Append a directive adaptivescroll** to the scrollable element.

```
<body adaptivescroll>  
  <!-- -->  
</body>  
  
<textarea adaptivescroll></textarea>
```

To start scrolling run **method watchPosition()** and pass trashold argument (in degrees):

```
$gyroscope.watchPosition(10);
```

To stop scrolling run method `ignorePosition()`:

```
$gyroscope.ignorePosition();
```

There are also direction events returning direction diff you can handle

```
$gyroscope.onalpha(function(alphaDiff){
  console.log(alphaDiff);
});
$gyroscope.onbeta(function(betaDiff){
  console.log(betaDiff);
});
$gyroscope.ongamma(function(gammaDiff){
  console.log(gammaDiff);
});
```

## Testing

We use karma and jshint to ensure the quality of the code. The easiest way to run these checks is to use grunt:

```
npm install -g grunt-cli
npm install
bower install
grunt
```

The karma task will try to open Chrome as a browser in which to run the tests. Make sure this is available or change the configuration in `test/test.config.js`

## Contributing

Pull requests are welcome.

Make a PR against canary branch and don't bump any versions.

Please respect the code style in place.