



TomTom JavaScript SDK - Migrating from 1.x

For version 2.0

Migrating from 1.x

The JavaScript SDK v2.0 has removed OpenLayers as the underlying mapping framework. It has been replaced by leaflet, which means that some method signatures have changed slightly. More information about leaflet, including examples and plugins, can be found at <http://leafletjs.com/>. This guide will quickly show you how to modify your code to work with the new version of the SDK.

Leaflet LatLng object

The leaflet LatLng object replaces OpenLayers.LonLat. The LatLng object is actually much easier to use. Basically anywhere in the SDK that expects a Latitude and Longitude, you can now pass a LatLng object or an array. Take the tomtom.Marker constructor for example:

```
var marker = new tomtom.Marker([42.332916, -83.047853]);
```

Notice that the coordinates are expected latitude first, then longitude, which is the opposite of the way it was done in 1.x.

Map methods

The basic methods to manipulate the map have changed slightly.

```
// change the map view (center and zoom)
map.setView([42.332916, -83.047853], 12);

// change the center
map.panTo([42.332916, -83.047853]);

// change the zoom level
map.setZoom(12);

// get the bounds
map.getBounds();

// fit the specified map bounds
```



```
map.fitBounds([[42.332916, -83.047853], [43.651893, -79.381713]]);
```

Adding and removing markers

The `addMarker` and `removeMarker` methods have been removed. Leaflet's Markers are considered a layer, and can be added with the `addLayer` and removed with the `removeLayer` methods.

```
var marker = new tomtom.Marker([42.332916, -83.047853]);

// add the marker
map.addLayer(marker);

// remove the marker
map.removeLayer(marker);
```

Moving markers

The method used to move a marker has also been changed. Now, the `setLatLng` method can be used, which will move the marker.

```
var marker = new tomtom.Marker([42.332916, -83.047853]);

// move the marker
marker.setLatLng([43.651893, -79.381713]);
```

Adding a popup to a marker

Popups have been greatly simplified in the latest SDK. Adding a popup can be done using Leaflet's `bindPopup` method on the marker.

```
var marker = new tomtom.Marker([42.332916, -83.047853]);

// add a popup
marker.bindPopup("Hello Detroit!");
```

Marker options

Customizing marker options has been simplified as well. See <http://leafletjs.com/reference.html#icon-options> for more details.

```
var iconOptions = {
  iconUrl: "photo.png",
  iconSize: [32, 37],
  iconAnchor: [17, 34]
```

```
};  
map.addLayer(new tomtom.Marker([43.651893, -79.381713], iconOptions));
```