



MotionX-GPS

MotionX-GPS Custom URL API

Revision 1.3, October 2012

Fullpower Technologies, Inc., makers of MotionX®

MotionX-GPS and MotionX-GPS HD (for the iPad) support an application- directed URL scheme that third party applications can use to launch GPS and import a waypoint. This is done by providing a geo point (latitude / longitude). When MotionX-GPS is launched with the custom URL, the application will land on the Import screen. Once imported, the waypoint can be found under Waypoints>Import.

Third party applications should verify that the user has a version of MotionX-GPS or MotionX-GPS HD installed that supports the custom URL. This can be done by using the UIApplication method **canOpenURL** to guarantee MotionX-GPS can open the URL. See iOS Reference Library UIApplication Class Reference for more details.

If **canOpenURL** returns with a **NO**, then the third party app can use the MotionX iTunes URL to direct the user to the iTunes page for the application.

MotionX-GPS App Store URL:

<http://itunes.apple.com/us/app/motionx-gps/id299949744?mt=8>

MotionX-GPS HD (iPad) App Store URL:

<http://itunes.apple.com/us/app/motionx-gps-hd/id370488535?mt=8>

If **canOpenURL** returns with a **YES**, then the third party app can launch MotionX-GPS and pass a Waypoint. For applications in production, the following are the schemes used to pass a waypoint to MotionX-GPS or MotionX-GPS HD. This custom URL format support is included in MotionX-GPS version 17.0 and MotionX-GPS HD 17.0 and newer.

MotionX-GPS:

<motionxgps://addWaypoint>

MotionX-GPS HD:

<motionxgpshd://addWaypoint>

The URL parameters must be a lat/lon pair specified in decimal degrees. The name field is required to name the waypoint for the user. The parameters are as follows:

Parameter	Description
name	The name of the Waypoint for display to the user (required).
lat	The decimal degrees for the latitude (required, must be used with <i>lon</i>). Use - to indicate S.
lon	The decimal degrees for the longitude (required, must be used with <i>lat</i>). Use - to indicate W.
alt	The altitude of the waypoint in meters (optional).
notes	Notes associated with the Waypoint for display to the user (optional).

To specify a waypoint using latitude and longitude for the Fullpower office in Santa Cruz, CA at 36.973333, -122.025833, with altitude of 3.0 meters and note of “Home of MotionX”, the URL would look like this:

motionxgps://addWaypoint?name=Fullpower%20Office¬es=Home%20of%20MotionX&lat=36.973333&lon=-122.025833&alt=3.0

Revision History:

Date	Description
July 14, 2010	Initial revision
August 4, 2011	Updated versions examples and minor corrections
Nov 9, 2011	Minor correction to waypoint example formatting
Oct 4, 2012	Added URL for MotionX-GPS HD