

PointMarker for iPad (version 1.2.1)

Last Revision: September 2014

Introduction

This tutorial was designed to introduce users to the new iPad app, PointMarker. The app allows users to log and annotate locations of interest. After recording locations, the data can be shared with others using ASCII text or Google Earth .KMZ files. This tutorial assumes the user is familiar with iOS, iPad and iOS gestures.

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Uses

The PointMarker app provides users with an easy way to record or log data by marking those locations on a map. Some examples of how PointMarker include:

Communications:

- Locations of existing towers, transmitters and equipment or potential tower locations.
- Locations of radio dead spots.

Utility / Public Works:

- Locations of equipment, wells, sheds, bridges, etc.
- Location of work sites, potential work sites or locations in need of repair.

Real Estate:

- Location of houses, buildings, land or other real estate for clients.

Personal / Misc.:

- Locations of personal favorites such as parks, restaurants and more.

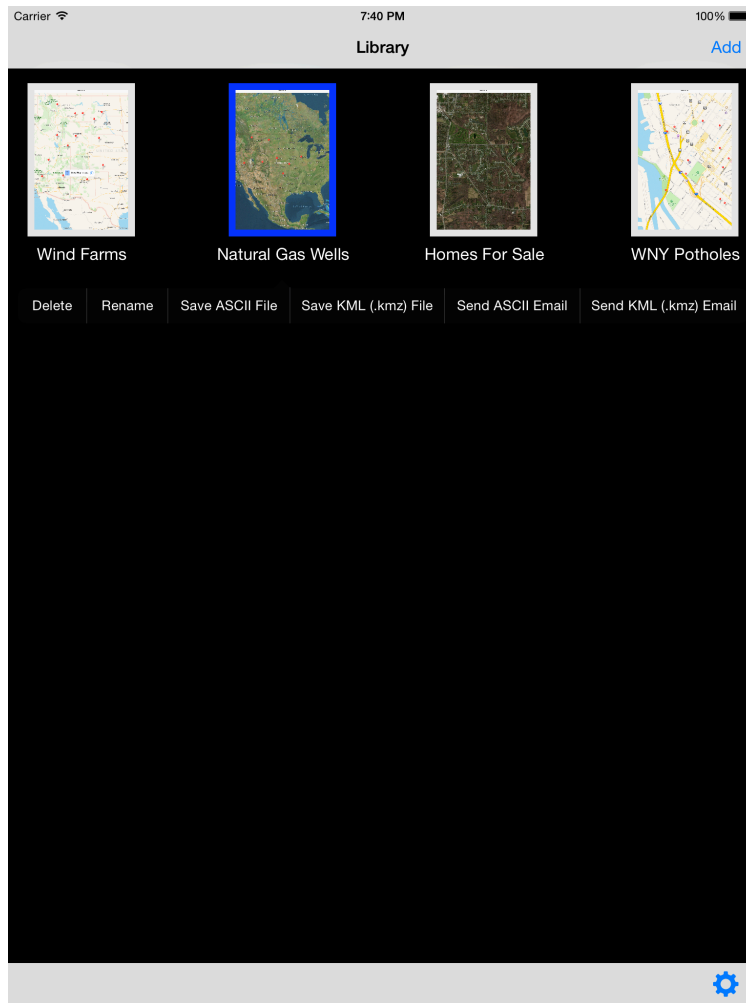
Map Library

Editing Menu:

Press and hold on a map to display the Editing Menu. From the menu, maps can be deleted, renamed, saved to an output file or emailed.

Add Button:

Click the Add button to create new map. Enter a name for the map and tap the return button on the keyboard.



Library Interface:

Tap on any map thumbnail to select the desired map. Tap and hold on any existing map to display the editing menu.

Preferences Button:

Click the Preferences button to change the image quality and size values used in the ASCII and KML email options.

Map Library Editing Menu

Editing Menu

Press and hold on any existing map in the map library to display the editing menu. From the editing menu, users can do the following:

- **Delete:** Select Delete to delete the selected map and all data related to the map.

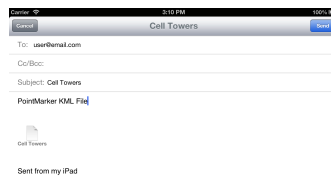
Note: The Delete operation is permanent. Once data is erased, it cannot be undeleted.

- **Rename:** Select Rename to rename the selected map.

Export Options:

Note: PointMarker provides two different methods for exporting data, email and saved files accessed via iTunes. Small files can be emailed from within PointMarker. However, it is recommended that large files be saved and then copied from the iPad using iTunes.

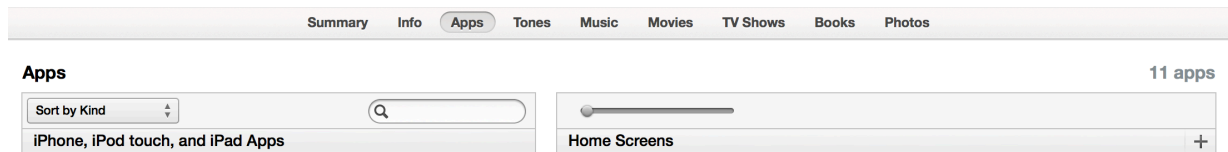
- **Save ASCII File:** Select Save ASCII File to save all data from the selected map into an ASCII .CSV file. The map data is contained in a comma-separated text file, while the images associated with the individual points are compressed into a .ZIP file. The ASCII file can be imported into spreadsheet or database software, such as Microsoft Excel or Access. **See next page for instructions on accessing saved files.**
- **Save KML (.kmz) File:** Select Save KML (.kmz) File to save a Google Earth .KMZ file containing all data from the selected map. The map data is stored in .KMZ compatible with Google Earth. Double-click on the file to launch Google Earth with the map data. **See next page for instructions on accessing saved files.**
- **Send ASCII Email:** Select Send ASCII Email to send an ASCII .CSV file containing all data from the selected map. The map data is contained in a comma-separated text file, while the images associated with the individual points are compressed into a .ZIP file. The ASCII file can be imported into spreadsheet or database software, such as Microsoft Excel or Access.
- **Send KML (.kmz) Email:** Select Send KML Email to send a Google Earth .KMZ file containing all data from the selected map. The map data is stored in .KMZ compatible with Google Earth. Simply save the file and double-click on the file to launch Google Earth with the map data.



Email Sample

To access files saved within PointMarker, do the following:

1. Connect the iPad to a Mac or PC running iTunes. PointMarker does not need to be running to save files from the iPad.
2. From iTunes, select the iPad from the Sidebar. If the Sidebar is not visible, select **Show Sidebar** from the **View** menu.
3. Select **Apps** from the top of the page.

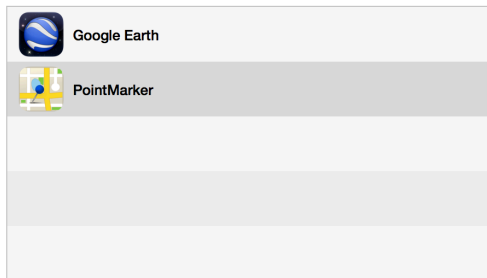


4. Scroll down to **File Sharing** and select **PointMarker** from the list of available apps.

File Sharing

The apps listed below can transfer documents between your iPad and this computer.

Apps



PointMarker Documents

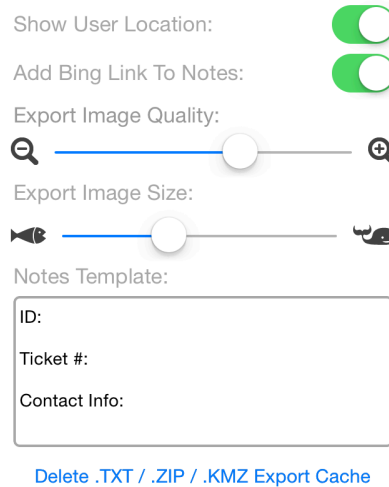
4A3437CA-F529-4BC1-A61A-8C9C419413E3	Today 7:54 PM	20 KB
4A3437CA-F529-4BC1-A61A-8C9C419413E3.data	8/15/14 9:15 PM	23.6 MB
4A3437CA-F529-4BC1-A61A-8C9C419413E3.data-shm	Today 7:54 PM	32 KB
4A3437CA-F529-4BC1-A61A-8C9C419413E3.data-wal	8/15/14 9:15 PM	9.1 MB
Cell Towers.kmz	Today 7:54 PM	12 KB
Cell Towers.txt	Today 7:54 PM	4 KB
Cell Towers.zip	Today 7:54 PM	4 KB
last.png	Today 7:54 PM	1.3 MB
store.data	Today 7:54 PM	2.6 MB
store.data-shm	8/22/14 6:03 PM	32 KB
store.data-wal	Today 7:54 PM	2.7 MB

5. Select a .KMZ, .TXT or .ZIP file and click the **Save to...** button to save the file on the Mac or PC.

Note: When saving files created using the Save ASCII .CSV, both .TXT and .ZIP files need to be selected. The .TXT file contains all of the text data from the PointMarker entries and the .ZIP file contains all of the images associated with each point.

Preferences

Clicking the Preferences button will display the preferences popover and allow users to set the following:



- **Show User Location:** Enabling Show User Location shows a blue dot at the user's current location when clicking the Location button.
- **Add Bing Link To Notes:** Enabling Add Bing Link To Notes automatically adds a Bing Maps link into the notes field when the point is created. This feature is designed primarily for use with .KMZ files. When loading a .KMZ file in Google Earth, the Bing link is displayed and can be selected to view a Bing map in another window. The Bing link is not added to existing points and only applies to new points created after the Bing Link option is selected.
- **Export Image Quality:** Using the slider, users can adjust the image quality used in both the ASCII and KML email and export options. The image quality range is from 0 to 1, 0 being the worst quality and 1 the best image quality.
- **Export Image Size:** Using the slider, users can adjust the image size used in both the ASCII and KML email and export options. The image size range is from .1 to 1, where 1 keeps the images at their original size and the value of .1 reduces the image size to 1/10th of it's original size.

Note: The Image Quality and Size preferences can be used together to create ASCII and KML files with smaller file sizes. With both options, the images are the largest portion of the data. By setting lower image quality and/or image sizes, users are able to make the email attachment and export file sizes smaller.

- **Notes Template:** The Notes Template text box is used to enter text that is automatically added to the notes field when a point is created. The template text is not added to existing points and only applies to new points created after the template text is changed.
- **Delete .TXT / .ZIP / .KMZ Export Cache:** Files created using the Save ASCII or Save .KML file options are not deleted when they are copied from the iPad. Clicking this button will remove all files created using those options. **It does not delete the map or any map data.**

Note: All of the preference options are only applied to points or files created after the preferences are changed.

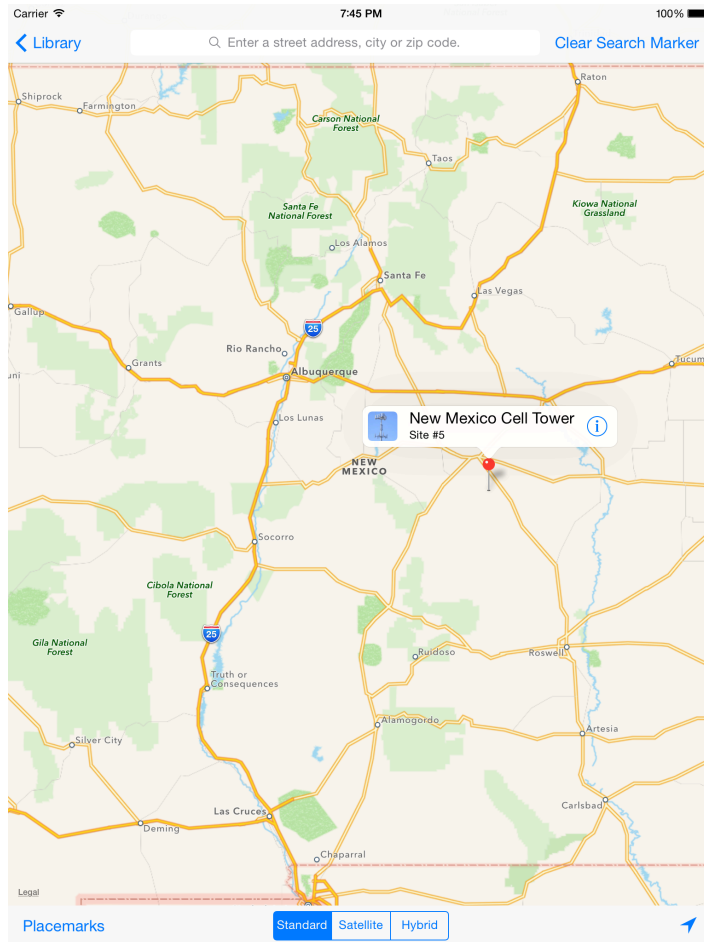
Main Map View

After selecting any map from the Library, users are presented with a map interface.

Library Button: Click the Library button to return to the map library.

Location Search Bar: Use the Location Search to find and zoom to a location such as an address, city or zip code.

Clear Search Marker: A blue region marker is placed on the map after searching for a location. Use the Clear Search Marker button to remove it.



Placemarks Button: Click the Placemarks button to display a complete list of points for the current map.

Map Type: Use the Map Type control to select from Standard, Satellite or Hybrid map types.

Location Button: Click the Location button to move and zoom to the users current location.

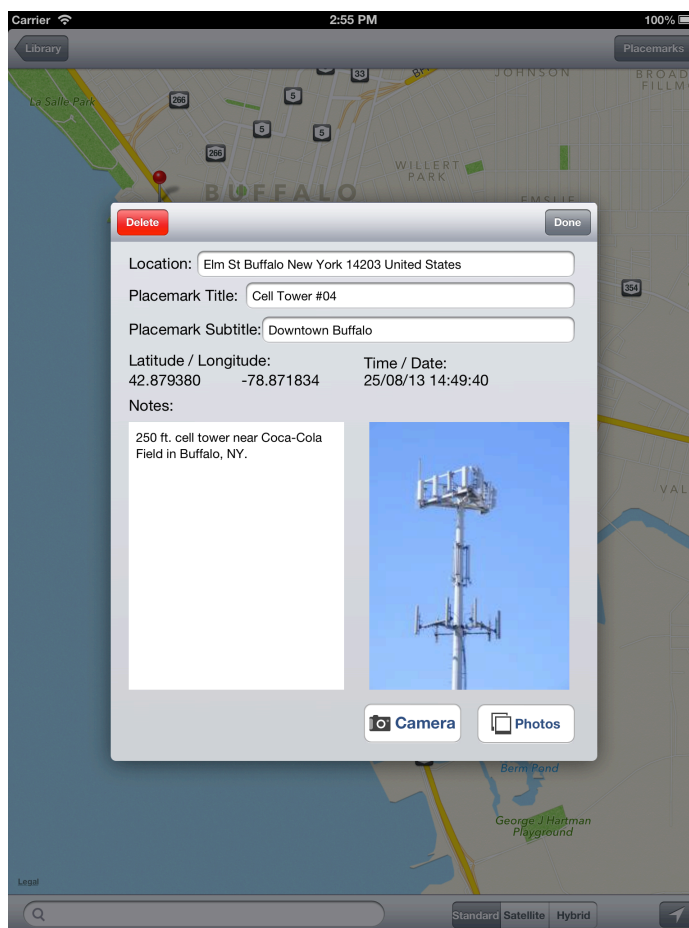
Main Map View (continued)

From the main map view, users are able to do the following:

- **Add new points:** To add a new point to the map, simply press and hold over the desired location. A pin will be dropped at that location.
- **Move an existing point:** To move an existing point, press and hold over any pin on the map. After the pin lifts from the map, move it to the desired location.
- **Placemark Button / List all points / Filter points:** Clicking the Placemark button will display a popover with a complete list of all points for the map. Clicking on any entry in the list will move the map to that location. To filter the points for a specific point(s), enter a keyword in the search bar. The list will be filtered based on the text in the Title and Subtitles. Points that do not match the keywords entered will be dimmed and are not able to be selected from the list.
- **Location Search (Text-based):** Using the Location Search bar, users can find a location on the map. Simply enter a location, such as an address, city or zip code in the search bar and click Search on the keyboard. The map will move and zoom to that location if a match is found.
- **Map Type:** Users can select from three different map types: Standard, Satellite (map with only satellite imagery) and Hybrid (map with satellite imagery as the base and street data from the Standard type).
- **Location Search (Current Location):** Clicking the Location button moves the map to the users current location.
- **Display Map Annotations / Callouts:** Clicking on any point on the map will display an annotation callout. The callout contains the Title, Subtitle and image for that location. In addition, the blue disclosure button is used to display the Annotation Detail window where all data for the point, including the image, is set.

Annotation Detail Window

The Annotation Detail Window is used to enter or edit all data for a point.



From the annotation detail window, users are able to do the following:

- **View Latitude, Longitude & Date / Timestamp:** The latitude and longitude for the point are set automatically. In addition, the date and time that the point was created is also set automatically. The data for the fields is read-only and cannot be edited.
- **Set Text For Location, Title, Subtitle & Notes:** Users can define the text for location, title, subtitle and notes. The location is filled automatically, but can be altered if necessary to define a more precise location. The values entered for the Title and Subtitle are displayed in the annotation callout and are also used when filtering / searching points from the Placemarks popover.
- **Add Image From Camera or Existing Photos:** Users can select an existing photo from the device's camera roll by clicking the Photos button. Clicking the Camera button, will allow the user to take a new picture for that location. The image is not stored in the camera roll.
- **Delete the Current Point:** Click the red Delete button to delete the current point.

Note: The Delete operation is permanent. Once a point is erased, it cannot be undeleted.

Company Information

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Revision History

September 2013:

- Initial version.

September 2014:

- Updated to include 1.2.1 features and changes.

DataLinks Tutorials

Tutorial #1:
Introduction To PerCon DataLinks

Tutorial #2:
PerCon DataLinks Output Options

Tutorial #3:
DataLinks Frequency Finder

Tutorial #4:
**PerCon DataLinks Co-Channel /
Adjacent Channel Analysis**

Tutorial #5:
DataLinks Wildcard Searches

Tutorial #6:
Keyhole .KML Output Option

Tutorial #7:
SQL Query Builder & Editor

Tutorial #8:
Dynamic Database Browsing

Tutorial #9:
Worldwide Bandplan Database