

Welcome to the Eelios WxFix weather application. This online help description is designed to guide users through the various views and interaction points of the WxFix application.

## User Interface Guide:

Launch the application by clicking on the WxFix icon on the iPhone. The splash screen will transition to the “Now” screen – this is the home screen of the application, or what is also referred to as the detailed forecast for a user selected location. Location information is obtained through various geo-spatial assets of the device (GPS, cell network triangulation or WiFi) or through geo-coding methods on the map. Every weather forecast is based on the user’s latitude / longitude coordinates (lat / lon), thus yielding the highest precision for weather forecasting in the market today.

- Now screen tab
  - Detailed forecast view, all weather variables
  - Hourly view (120 hours at 12 hour intervals with three variables)
  - Radar view – geo spatial with transparency and animation controls
    - Action key opens radar controls – set transparency and animation speed (WxFix Standard version only)
  - Action key (icon) to save location as a favorite or share via email
  - Click on the lower half of the screen to view day forecast (6-days)
    - Disclaimer: The 6 day forecast is limited to 120 hours of forecast data, resulting in a 6<sup>th</sup> day forecast that has limited data throughout the day
  - Shake the phone to update weather content (weather forecast data is updated hourly, radar is updated every 5 min)
- Alert screen tab
  - Alerts are activated automatically and are coupled with the user’s current location and stored favorites
  - The application will reverse geo-code the user’s location or favorites, and retrieve any active alerts (NWS advisories, watches, warnings) to the client for viewing
  - Alerts will be viewed in tabular form by location, click on the alert to view detailed text
  - Alert retrieval will happen each time the app is opened
- Favorites screen tab
  - Favorites are listed in tabular form, in alphabetical order
  - Favorites are shown with default name and WxFix Logo
    - When creating a Favorite, the user can personalize their favorite by taking a picture of their Favorite by using the iPhone’s camera or selecting an existing photo from the iPhone’s photo library (the application will prompt the user through these steps to create a thumbnail for their Favorite)
  - Selecting a favorite will serve up the Now screen and detailed forecast for that location and time (time zone is accounted for when displaying weather content and icons)
  - User can delete favorites by selecting the edit key in the top right corner

- User can edit favorites by clicking on the right (>) arrow in the Favorite cell, this will allow users to edit name and picture
  - Edit picture by tapping on edit below default logo or current picture, follow steps to import a new picture
- The action icon in the upper left corner will serve up the following menu (WxFix Standard version only):
  - Add current location (store device current location as a favorite)
  - Add Contact Address (retrieve address information from user's contacts)
  - Share – share a favorite with another iPhone user via Bluetooth, enable sharing by clicking on Favorites the user wishes to share with another user (Standard version only)
  - Add from another iPhone – retrieve a favorite via Bluetooth from another iPhone – the user selects “Add from another iPhone” to engage Bluetooth sharing, select the phone to begin sharing, select Favorites the user would like to keep in their Favorites profile (Standard version only)
- Map screen tab
  - The first thing the user will notice is the “Blue Dot” representing the user's current location (lat / lon)
    - The user can actually watch their lat / lon change dynamically as the device moves from it's previous location
    - Weather content is automatically updated at 3 kilometer intervals (Track-me weather)
  - The user will also notice red pins on the map that represent the user's stored favorites
    - Shaking the phone uses the phone's accelerometer to shuffle between favorites on the map
    - Click on a favorite to view summary weather forecast (pop-up bubble above the pin)
    - Detailed forecast by clicking on right arrow (Now screen)
  - Show Map controls by clicking on the action key in the upper right hand corner of the map screen (Standard version only)
    - Drop a pin allows the user to drop and move a pin to any location on the map (hold down finger-tip when moving the pin on the map, zoom as required to improve location accuracy)
    - Select the type of map for viewing – road map, satellite, hybrid (road map is the default)
    - Click on action key to minimize map controls menu
  - The location icon in the upper left corner will send the user back to the device's current location (blue dot)
  - The search bar across the top of the map screen allows the user to quickly search for a city or state on the map, e.g., user types in “Boulder” the map will automatically move the map to that location; the user can drop a pin, which will be located in the center of the searched location
- Search screen tab

- Search screen includes search field, user selects to activate key board
- User types in search string, results are fed back to the screen in tabular form and include weather icon, location information (lat / lon and physical address if available) and weather forecast summary
- User can select desired search result by clicking on the right arrow to view Now screen and detailed forecast

The Eelios WxFix version number can be found under the iPhone settings page. Eelios will be offering upgrades to the application periodically, please watch for update notifications on the iTunes app store. Any update to the application shall support full data migration, so all favorites or other relevant data will be migrated to the new version. The Eelios team is happy to address any issues or concerns with the app, please email us at: [support@eelioscorp.com](mailto:support@eelioscorp.com)

For additional information on how to use WxFix Standard, please click on the following links to YouTube. Eelios has created several videos highlighting features of the application, includes getting your favorite weather forecast with a drop of a pin:

<http://www.youtube.com/watch?v=qISKIEgdd6s>

[http://www.youtube.com/watch?v=tKxolY\\_BBUA](http://www.youtube.com/watch?v=tKxolY_BBUA)

## Frequently Asked Questions (FAQ):

### Do I need to register after downloading the application?

No user registration is required, all data is stored on the device and can be restored through iTunes.

### Where do I find a day forecast?

Launching the application will take the user to the “Now” screen, which provides a detail forecast for the user’s current location (device aware). The user is presented with several options:

- View Hourly Forecast
- View Radar
- Action Key to Save as a Favorite and Share Forecast as an Email
- Click on the lower half of the screen will pop up the 5-day forecast – user can scroll to the right to view additional days; tap on the day will change “Now” screen content, relevant to the day of choice

### How can I create a favorite?

There are several ways user can create favorites. Using the device’s current location can be one way to save a favorite, click the action icon in the upper right corner of the “Now” screen and a menu will pop up from the bottom, select “Add to Favorites”. Another method is activated through the map screen, drop a pin on the map, go to the “Now” screen to view detailed forecast and again click the action key to add the dropped pin location as a favorite. Finally, the user can use the “Search” utility to find a specific location, choosing the desired location in the results view will serve up the detailed forecast “Now” screen, again selecting the action key will allow the user to save the search location as a favorite.

### What do the different colors on the radar mean?

Radar is measured in dBZ, which is essentially radar reflectivity values off remote objects. Shades of blue represent ground clutter or water vapor (fog), shades of green, yellow and red represent different levels of liquid in the atmosphere. The following dBz values are used by meteorologists to forecast precipitation rates in a radar image:

One dBz scale of rain (liquid):

8-23 = light rain (shades of green)

24-39 – moderate rain (shades of yellow)

40+ - heavy rain (shades of red / pink)

### Can I zoom and pan on the radar map?

Yes, using the iPhone stretch and pinch method, the map and radar will zoom to the pixel level, this is typically at a building or house resolution. Panning is also available by touch and hold the map while scrolling left or right. Note, the radar is for the users specific location, to retrieve radar in a

different location, the user must select a favorite or drop a pin, proceed to the “Now” screen to view that location’s radar.

## **How do I use the map view to drop and move a pin?**

The map view is user centric. Not only can the user view all favorites, but can also drop a pin and move to a desired location. Clicking on the “Map Controls” menu bar, will pop up several map control options. The user selects “Drop Pin” and a pin will drop on the map. Note the purple pin-head, this lets the user know the pin is active and can be moved to any location on the map. Simply hold a finger-tip on the pin and drag to a desired location. The user can zoom in as required to ensure the pin is in the exact location – trail head, beach, lake, golf green, etc. The user can open the “Now” screen to view forecast details, hourly forecast or radar for that location. Again, the action key will allow the user to save the location as a favorite, which will turn the pin-head red on the map. The user can drop and move as many pins as required to meet their forecast needs.

## **Why are there two search methods?**

The map view utilizes a quick search tool to help navigate the map (reduce pan cycle time). The map view search icon can be selected to quickly navigate around the map, e.g., search for Cupertino, CA, then search for Orlando, FL; the map view will be updated quickly to show the desired search location.

The search tab provides a more thorough search function. The user can type in geo-references to help find specific locations, e.g., Time Square, or Disney World and the search tool will geo-code and rank results back to the user in tabular form. The user can select the desired location to view detailed forecast, radar and / or save the location as a favorite.

## **How is your weather forecast different than the Weather Channel, Weather Bug and others that use NWS Weather Stations?**

Most weather applications just report the weather and rebroadcast the NWS forecast for the 1400 or so weather stations throughout the US. This results in a fairly inaccurate forecast or no forecast when the mobile user is not in close proximity to a weather reporting station. When designing WxFix we clearly saw this as a problem, mobile users need forecast resolution down to a latitude / longitude location and not the location of a weather station. We use an ensemble of various public and private weather sources that results in a precise forecast for all of the US including remote mountain and rural areas. Of course its a forecast and not perfect, but we will be introducing new data and forecasting techniques in the near future that will greatly enhance our offering.