OurWorld v1.0 Manual

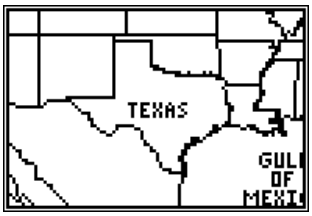
1 Introduction....1
1.1 Important Information....1
1.2 Installing the Application....1
1.3 Starting and Quitting....1

2 Using the Application....2
2.1 Options....2
2.2 Sensor....2
2.3 Search....3
2.4 Distance....3

3 Additional Information....4
3.1 Map Projection....4
3.2 Deleting the Application....4
3.3 Technical Support....4

DETACHED SOLUTIONS

1 Introduction



OurWorld is a virtual globe for your handheld graphing technology. It is available for TI−83+, TI−84+, TI−89, and Voyage 200. It features a zoomable map of the world, with important political features labeled. OurWorld samples world political boundaries with more than 30,000 points, with extra detail in the United States. There are more than 1,100 labels, including countries, lakes, capitals, and major cities.

1.1 Important Information

Detached Solutions makes no warranty, either expressed or implied, including but not limited to any implied warranties of merchantability and fitness for a particular purpose, regarding any programs or book materials and makes such materials available solely on an “as−is” basis.

In no event shall Detached Solutions be liable to anyone for special, collateral, incidental, or consequential damages in connection with or arising out of the purchase or use of these materials, and the sole and exclusive liability of Detached Solutions, regardless of the form of action, shall not exceed any applicable purchase price of this item or material. Moreover, Detached Solutions shall not be liable for any claim of any kind whatsoever against the use of these materials by any other party.

1.2 Installing the Application

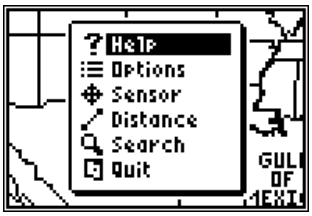
The program requires 96kb of FLASH available, which is the equivalent of 6 application spaces. Send the application file to your calculator using a graph link. You must have a link; applications cannot be typed in by hand.

1.3 Starting and Quitting

To begin, press [APPS] and then select "OurWorld". The first time you run the application, it will show a brief help message.

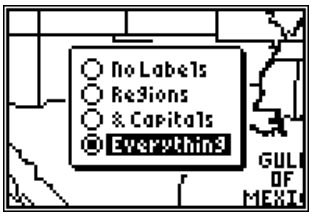
You may press [2nd]QUIT at any time to exit the application, or you may select "Quit" from the menu.

2 Using the Application



Use the arrow keys to scroll around the map. Use − to zoom out (view more of the world), and + to zoom in (view more detail). Press CLEAR to open a menu with additional features. Use UP and DOWN to go through the available choices; press ENTER to make your selection. One feature available on the menu is the help screen; the remaining features are described below.

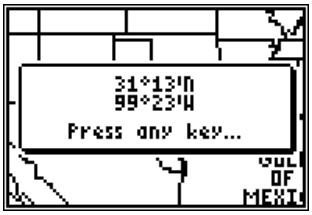
2.1 Options



A new menu will pop up which allows you to select what level of labels you wish to display. "No Labels" will not display any label names. "Regions" will display names of countries, lakes, and similar features. "&Capitals" will display the region names as well as any capital cities associated with them. Each country and U.S. state has at least its capital city in the database. "Everything" will also display all other cities which may be in the database.

Labels have been hand placed and will not appear until a certain zoom level where they will be sufficiently clear. Every effort has been made to be sure that labels do not overlap. However, some labels may still overlap from time to time.

2.2 Sensor



The location sensor displays a message box indicating the current latitude and longitude of the center of the screen in degrees and minutes. Press any key to dismiss the message box.

2.3 Search

The search function displays a scrollable list of features in the program and allows you to select one. Countries (and lakes, etc.) are listed alphabetically; cities are listed alphabetically underneath their respective countries. Use UP and DOWN to scroll through the list. You may also press a letter on the keyboard to jump to the next country of that letter. For example, press "W" to jump to "WASHINGTON, US"; press it again to jump to "WEST VIRGINIA, US"; again jumps to "WESTERN SAHARA"; then "WISCONSIN"; then "WYOMING"; and then back to "WASHINGTON, US". Press ENTER to center the currently selected feature on the screen and zoom in far enough so that the label will appear. When you return to the search screen, it will remember your previous selection.

2.4 Distance

The distance function calculates the distance "as the crow flies" between two cities. A selection list will pop up, just as with the Search function, which will allow you to choose the first city. Another selection list will then pop up to allow you to choose the second city. If you do not choose a city as one of the points, a message box will display and then allow you to try again. Once you have selected two points, a message box appears indicating the distance between your selected points in both miles and kilometers.

The application does not calculate the great circle distance, which can be inaccurate because it assumes that the earth is a sphere. Instead, the application uses an ellipsoid representation of the earth to calculate distance.

3 Additional Information

The points and labels included in this application are derived from publicly available information. Some errors have been noted and corrected, but other errors may still exist. Do not use this application for any purpose other than as a rough guide to where some things might possibly be.

3.1 Map Projection

To increase speed, the application displays the world using unprojected latitude and longitude. Despite this factor, some users may find the speed of map redraws too slow. The speed improves as you zoom in more. You may also wish to consider disabling labels. Use of a TI−83+ Silver Edition or any TI−84+ will make the program more enjoyable. Please note that the unprojected map has extreme distortion as you move closer to the north or south pole.

3.2 Deleting the Application

To delete the application, press [2nd]MEM and select **Mem Mgmt/Del**. Select **Apps** and move the cursor to **OurWorld**. Press [DEL] and select **Yes** to delete the application.

3.3 Technical Support

Technical support is limited to assistance with the functionality of this application. For help with the functionality of the application, e−mail **ourworld@detachedsolutions.com**.