

OurWorld v1.0 Manual

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DETACHED SOLUTIONS

1 Introduction



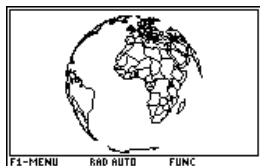
OurWorld is a virtual globe for your handheld graphing technology. It is available for TI-83+, TI-84+, TI-89, and Voyage 200. It features a zoomable map of the world, with important political features labeled. OurWorld samples world political boundaries with more than 30,000 points, with extra detail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

1.1 Important Information

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1.2 Installing the Application



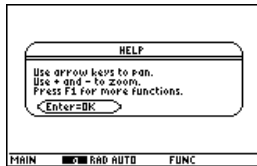
The program requires just under 100,000 bytes of FLASH available. Send the application file to your calculator using a graph link. You must have a link; applications cannot be typed in by hand.

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. Press ENTER to dismiss the 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



described below.

Use the arrow keys to rotate the globe. LEFT and RIGHT spin the globe around its axis; UP and DOWN increase or decrease your latitude. Use – to zoom out (view more of the world), and + to zoom in (view more detail). Press F1 or ESC to open a menu with additional features. One feature available on the menu is the help screen; the remaining features are

2.1 Options



A dialog box will pop up. One option allows you to select how many 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. If you find the screen to be too cluttered, you may wish to select "Lower" rather than "Higher" density in the options dialog box.

2.2 Sensor



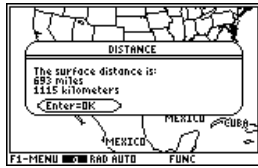
The location sensor displays a message box indicating the current latitude and longitude of the center of the screen in degrees and minutes.

2.3 Search



A dialog box appears. To search for a feature, enter at least the first two letters of the feature's name, then press ENTER twice. If no features match those letters, a message box will inform you of that. If there is only one feature that begins with those letters, the map will immediately zoom and center on that feature. Otherwise, a scrollable list of possible matches will be displayed. Simply select the desired feature from this list and press ENTER, and the map will then center on that feature and zoom in far enough so that its label could be displayed. The next time you use the search function, it will remember the feature you most recently found.

2.4 Distance



The distance function calculates the distance "as the crow flies" between two cities. A dialog box will pop up, similar to the Search function, but there will be two entry areas. Type a few letters of the first city into the first box, press DOWN, type a few letters of the second city, and then press ENTER twice. Note that distance may only be found between cities.

As with the search function, a scrollable list will appear if the letters you have typed do not uniquely identify a city. If so, make the proper selection and press ENTER. A message box then 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

The application displays the world using an orthographic projection. This gives the illusion that the map is three dimensional. This application is relatively fast on a TI-89 or Voyage 200, but the speed does increase after zooming in.

3.2 Deleting the Application

To delete the application, press [2nd]VAR-LINK and use [F7] to view installed applications. Move the cursor to **OurWorld**. Press <- and confirm with **ENTER** 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**.