

DAKOTA™

owner's manual



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See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

Introduction

Tips and Shortcuts

- Touch ♠ or ▶ to scroll and see more choices.
- Touch to return to the previous screen.
- Touch to return to the Main menu.
- Touch or on the Map page to zoom in or zoom out.

Manual Conventions

When you are instructed to "touch" something, use your finger to touch that item on the screen.

The small arrows (>) used in the text indicate that you should touch a series of items in order. For example, if you see, "Touch Where To? > Tracks," you should touch the Where To? button on the screen, and then touch Tracks.







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Introduction



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Getting Started

Product Registration

Help us better support you by completing our online registration today. Connect to our Web site at http://my.garmin.com. Keep the original sales receipt, or a photocopy, in a safe place.

Contact Garmin

Contact Garmin Product Support if you have any questions while using your Dakota. In the USA, go to www. garmin.com/support, or contact Garmin USA by phone at (913) 397.8200 or (800) 800.1020.

In the UK, contact Garmin (Europe) Ltd. by phone at 0808 2380000.

In Europe, go to www.garmin.com/support and click **Contact Support** for in-country support information, or contact Garmin (Europe) Ltd. by phone at +44 (0) 870.8501241.

If needed, the serial number of your Dakota is located in the battery compartment. Remove batteries as indicated on page 2.

Optional Accessories

For a list of available accessories and maps, refer to the Garmin Web site at http://buy.garmin.com.

Caring for the Dakota

Cleaning the screen

Use a soft, clean, lint-free cloth. Use water, isopropyl alcohol, or eyeglass lens cleaner. Apply the liquid to the cloth and then gently wipe the screen with the cloth.





Getting Started

Battery Information

Dakota units operate on two AA batteries. Use alkaline, NiMH, or lithium batteries. Use precharged NiMH or lithium batteries for best results.

To install the batteries:

1. Slide the latch and remove the battery cover.



- 2. Insert the batteries, observing polarity.
- 3. Replace the battery cover and push the latch down.

To select the battery type:

- Touch Setup > System > Battery Type.
- 2. Touch Alkaline, Lithium, or Rechargeable NiMH.

Long-Term Storage

Remove batteries when you do not plan to use the Dakota for several months. Stored data is not lost when batteries are removed.

Turning On and Off the Dakota

- 1. To turn on the Dakota, press 🖒.
- 2. To turn off the Dakota, press and hold \bigcirc .



Adjusting the Backlight Level

1. While the Dakota is on, press and quickly release .



2. Touch or to adjust the brightness levels.

See (page 23) to change the backlight timeout.

Acquiring GPS Satellite Signals

Before the Dakota can find your current location and navigate a route, you must acquire GPS signals.

- 1. Go outdoors to an open area, away from tall buildings and trees.
- Turn on the Dakota. Acquiring satellite signals can take a few minutes.

The satellite strength. When the bars are green, the Dakota has acquired satellite signals.

Locking the Screen

Lock the screen to prevent inadvertent screen touches.

- 1. Press and quickly release 🖒.
- 2. Touch Lock Screen (or Unlock Screen).

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Basic Navigation

Accessing Applications from the Main menu

You can access all Dakota applications from the Main menu.



Main menu

Touch or to access additional applications.

Creating Waypoints

Waypoints are locations you record and store in the Dakota.

To mark your current location as a waypoint:

- 1. Touch Mark Waypoint.
- 2. Touch Save and Edit.
- 3. Touch an item from the list to change.
 - Touch letters, numbers, or symbols to make the changes.
 - Touch (except when changing a symbol). Change other attributes, if necessary.
 - Touch to discard the changes.

To edit or delete a waypoint, see page 12.









Navigating to a Destination

You can use **Where To?** or choose a point on the map to navigate to a destination with the Dakota.

To navigate to a destination using Where To?:

- 1. Touch Where To?.
- 2. Touch a category.
- 3. Touch one of the following items:
 - Recent Finds—items you have recently found.
 - Waypoints—a list of waypoints (page 4).
 - Tracks—a list of tracks (page 14).
 - Routes—a list of routes (page 13).
 - All POI (Points of Interest)—if supported by the preloaded or optional mapping, various Points of Interest may be listed.

Coordinates—enter the coordinates of a location.

- Cities—a list of the 50 closest cities to your current location.
- Tides—a list of the closest tide stations.
- 4. Touch **Go**. A colored line indicates your course.
- 5. Touch **> Compass**.
- 6. Use the compass to navigate to your destination.

To find a destination by spelling the name:

- On the Main menu, touch Where To? > All POI.
- 2. Touch A.
- 3. Touch characters to spell a part of the name of your destination.
- 4. Touch
- 5. Touch the destination.
- 6. Touch **Go**. A colored line indicates your course.
- 7. Touch > Compass.

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 Use the compass to navigate to your destination as indicated on page 9.

To navigate to a point on the map:

- 1. Touch Map.
- 2. Touch a point on the map.
- 3. Touch the information button at the top of the screen.



Information button

- 4. Touch Go > X > Compass.
- Use the compass to navigate to your destination as indicated on page 9.

To navigate to a destination near a waypoint or a recent find:

1. Touch Where To?.



- 2. Touch .
- 3. Select from the following options:
 - A Recent Find
 - A Waypoint.
 - My Current Location
 - A Map Point
- 4. Touch the location you want to search near.

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Basic Navigation

- Touch a category. Items are listed in order of distance from the location you selected.
- 6. Touch a destination.
- 7. Touch **Go**. A colored line indicates your course.
- 8. Touch **X** > **Compass**.
- Use the compass to navigate to your destination as indicated on page 9.

Stop Navigating

To stop navigating, touch Where To? > Stop Navigation.

Using the Map

To use the map:

- Touch Map. Your current location is indicated by a location marker .
- 2. Touch or to zoom.
- 3. Touch and drag the screen to pan the map.



Map Page

To review detailed information about a point on the map:

- 1. If necessary, pan to the location you want to review.
- 2. Touch the location.
- Touch the information button at the top of the screen for additional information.

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Basic Navigation



Information button

To show or hide data fields at the top of the screen:

- 1. Touch Setup > Map > Show Data Fields.
- 2. Touch Never, When Navigating, or Always.

To change the Map page data fields:

- 1. On the Map page, touch one of the data fields.
- 2. Touch a data type.

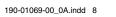
To save a waypoint on the Map page:

- 1. On the Map page, touch the point you want to save.
- 2. Touch the information button at the top of the screen.



3. Touch to save the waypoint.







Using the Compass

The Compass page guides you to your destination by displaying a compass and a bearing pointer.

It also provides navigation data such as current speed, distance to the next point on the route, and estimated arrival time.

The electronic compass is similar to a magnetic compass when you are stationary or walking. If you maintain a higher speed, such as traveling in automobile, the compass uses GPS signals to determine your direction. To turn the electronic compass off, see page 28.

To open the Compass page: Touch Compass.

Calibrating the Compass

Calibrate the electronic compass outdoors. Do not stand near objects that influence magnetic fields, such as cars, buildings, or overhead power lines

Calibrate the compass after moving long distances, experiencing temperature changes greater than 20°F (11°C), or changing the batteries.









Basic Navigation

To calibrate the electronic compass:

- Touch Setup > Heading > Press
 To Begin Compass Calibration.
 OR
 From the Compass page, touch and hold the middle of the compass.
- Touch Start and follow the onscreen directions.

"Too Fast," or "Too Slow" may appear, notifying you to adjust your turning speed. If "Calibration Failed" appears, touch **OK**, and repeat the process.

Bearing and Course Pointers

The Dakota can use either a bearing or course pointer on the compass. The bearing pointer indicates the direction to your destination, and the course pointer indicates your relationship to a course line leading to the destination. To select a bearing or course pointer, see page 28.



Direction you are currently traveling

Bearing to destination

Bearing Pointer







The bearing pointer points to your destination, regardless of the direction you are moving. If the bearing pointer points toward the top of the compass, you are traveling directly toward your destination. If it points any other direction, turn toward that direction until the arrow is pointing toward the top of the compass.

Direction you are currently traveling

Speed 1.21 S

NE Bearing to destination

Course deviation indicator

Course Pointer

The course pointer provides an indication of drift (right or left) according to the scale shown at the edge of the compass ring. The scale refers to the distance between dots on the course deviation indicator. The course line to your destination is based on your original starting point.

Move back to the "course line to destination" to compensate for deviation and to get back on course. This is most useful if you are navigating on water or where there are no major obstacles in your path. It also helps you avoid hazards to either side of the course, such as shoals or submerged rocks.

To change the Compass page data fields:

- On the Compass page, touch a data field.
- 2. Touch a data type.

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Managing Waypoints, Routes, and Tracks

Modifying Waypoints

You can edit waypoints to change the name, symbol, comment, location, elevation, and depth of the waypoint. You can also use the Waypoint Manager to relocate a waypoint to your current location, and to delete waypoints.

To edit a waypoint:

- 1. Touch Waypoint Manager.
- 2. Touch the waypoint.
- 3. Touch the attribute.
- 4. Touch letters, numbers, or symbols to make the changes.
- Touch (except when changing a symbol). Change other attributes, if necessary.

6. Touch to discard the changes.

To reposition a waypoint to your current location:

- 1. Touch Waypoint Manager.
- 2. Touch the waypoint you want to reposition.
- 3. Touch Reposition Here.

To delete a waypoint:

- 1. Touch Waypoint Manager.
- 2. Touch the waypoint you want to delete.
- 3. Touch Delete Waypoint.

To delete all waypoints touch **Setup** > **Reset** > **Delete All Waypoints** > **Yes**.





Creating Routes

You can create and store up to 50 routes.

To create and navigate a new route:

- Touch Route Planner > <Create Route> > <Select First Point> to select a starting point.
- 2. Touch a category.
- 3. Touch the first item on the route.
- Touch Use > <Select Next Point>.
- Repeat until the route is complete.
- 6. Touch to save the route.
- 7. Touch > Where To? > Routes to navigate the route.

Viewing Stored Routes

To view a route on the map:

- 1. Touch Route Planner.
- 2. Touch the route you want to view > View Map.

Editing and Deleting Routes

You can edit any of your stored routes.

To edit a route:

- 1. Touch Route Planner.
- Touch the route you want to edit > Edit Route
- Touch the point you want to edit and select from the following options:
 - Change—changes the point to a different location.
 - Review—shows the point on the map.







- Move Down (or Up) changes the order of the point on the route.
- Insert—adds an additional point on the route. The additional point is inserted before the point you are editing.
- Remove—removes the point from the route.

To reverse the order of points on a route:

- 1. Touch Route Planner.
- Touch the route you want to reverse > Reverse Route.

To delete a route:

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- 1. Touch Route Planner.
- Touch the route you want to delete > Delete Route.

Viewing the Active Route

- Touch Active Route. The points on your current route are shown.
- 2. Touch a point for additional details.

Managing Tracks

A track is a recording of the path you have traveled.

To record your tracks:

- Touch Setup > Tracks > Track Log.
- Touch Do Not Record; Record, Do Not Show; or Record, Show On Map.

If you select **Record**, **Show On Map**, a line on the Map page indicates your track.

For more information on Tracks setup, see page 24.







To save and view your current track:

Touch Track Manager > Current Track.

- View Map—shows your current track on the map.
- Elevation Plot—shows the elevation plot (page 16) for your current track.
- Save Track—saves your current route.
- Save Portion—allows you to select a portion of your current track to save.

To clear your current track: Touch Setup > Reset > Clear Current Track > Yes.

To open a saved track:

- 1. Touch Where To? > Tracks.
- 2. Touch a saved track.

Archived or loaded tracks are listed on the Track Manager page. You can view the tracks on the map, view elevation plots, or navigate the track.





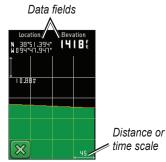
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Additional Tools

Elevation Plot

The Dakota can record elevation changes over distance or time, or pressure (barometric or ambient) changes over time. To set which changes are recorded, see page 28.

- 1. Touch **Elevation Plot** to open the Elevation Plot page.
- 2. To adjust the distance or time scale, touch for ...
- To display elevation data, touch a point on the plot. The time, date, and elevation recorded at that point are shown.



Elevation Plot Page

Changing the Elevation Plot Data Fields

- Touch Elevation Plot > one of the data fields.
- 2. Touch a data type at the top of the screen.
- Select from the options listed to replace the data type on the screen.







Sharing Information Wirelessly

The Dakota can wirelessly share waypoints, routes, tracks, and geocaches with another wireless enabled Garmin recreational handheld

- 1. Place the units within 10 feet (3 meters) of each other.
- 2. On the Main menu of both units, touch **Share Wirelessly**.
- On the receiving unit, touch Receive. The receiving unit indicates when it is ready to receive data.
- 4. On the sending unit, touch **Send**.
- 5. On the sending unit, touch the category of data to send.
- On the sending unit, touch an item to send > Send.
- 7. Both units indicate that the transfer is complete.
- 8. Touch **OK** on both units.

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Calculating the Size of an Area

- 1. Touch Area Calculation > Start.
- 2. Walk around the perimeter of the area you want to calculate.
- 3. Touch Calculate when finished.

Other Tools

Select from the following options on the Main menu to access additional tools:

- Calendar—use a calendar.
- Calculator—use a calculator.
- Sun and Moon—view sunrise and sunset times along with the moon phase.
- Alarm Clock—set your Dakota to sound an alarm.
 You can also set the unit to turn on at a specific time.







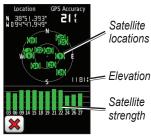
- Hunt and Fish—view the predicted best dates and times for hunting and fishing at your current location.
- Stopwatch—use a timer, mark a lap, and time laps.

Monitoring Satellite Reception

The Satellite page shows your current location, the GPS accuracy, your current elevation, satellite locations, and signal strength.

To view the Satellite page:

Touch at the bottom of the Main menu.



Satellite Page

The green bars indicate GPS satellite strength. White bars indicate that the Dakota is still collecting data.

Trip Computer

The Trip Computer displays your current speed, average speed, maximum speed, trip odometer, and other helpful statistics.









= Dashboard

Trip Computer

Touch a field to change what is shown in that field.

To reset trip data, touch **Setup** > **Reset** > **Reset Trip Data** > **Yes**.

To change the dashboard background:

- 1. Touch the dashboard at the top of the screen.
- 2. Touch **Default**, **Automotive**, or **Geocaching**.





GPS Games

Geocaches

Geocaching is a type of treasure hunting, in which geocachers seek hidden treasures using GPS coordinates posted on the Internet by those hiding the geocache.

You can download Geocache sites from www.geocaching.com. The Web site supports the transfer of geocache sites to your Dakota, and, after registering and installing the Garmin Communicator plug-in from www.garmin.com/products/communicator, you can download geocaches directly to your Dakota.

To navigate to a geocache using Geocaches:

- Touch Geocaches > Find a Geocache.
- 2. Touch a geocache location.

- 3. Touch **Go**. A colored line indicates your course.
- 4. Touch > Compass.
- 5. Use the compass to navigate to your destination as indicated on page 9.

For more information on geocaching, visit www.geocaching.com.

Wherigo™

Wherigo (pronounced "where I go") is a toolset for creating and playing GPS-enabled adventures in the real world. Use your Dakota to guide you to a physical location, where you will interact with virtual objects and characters. For more information, visit www.wherigo.com.

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Customizing the Dakota

Changing the Profile

Profiles are a collection of settings that allow you to optimize your Dakota from one type of use to another, such as moving from recreational use to automotive use.

When you are in a profile and change settings such as data fields, units of measurement, or position settings, they are saved automatically as part of your current profile.

Setting Up Profiles

To change a profile

- On the Main menu, touch Profile Change. Your current profile is indicated on the screen.
- 2. Touch the profile you want to use.

To change the name of a profile:

- 1. Touch Setup > Profiles.
- 2. Touch a profile > Edit Name.
- 3. Touch letters, numbers, or symbols to make the changes.
- 4. Touch

To change the order of the profiles:

- Touch Setup > Profiles.
- 2. Touch the profile you want to move.
- 3. Touch Move Up or Move Down.

To delete a profile:

It is not possible to delete your current profile.

- 1. Touch Setup > Profiles.
- 2. Touch a profile > **Delete**.





Customizing the Dakota

To add a new profile:

Touch Setup > Profiles > <Create New Profile>. This profile is a copy of your current profile. The new profile becomes your current profile.

Battery Type—select the type of battery you are using.

Tones—turn audible tones On or Off

Using System Setup

Touch Setup > System.

GPS—select Normal, WAAS (Wide Area Augmentation System), or Demo Mode (GPS off). For information about WAAS, go to www.garmin.com/aboutGPS /waas html

Language—select the text language on the Dakota. Changing the text language does not change the language of user-entered data or map data, such as street names.





Customizing the Display

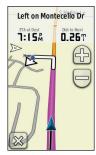
Touch Setup > Display.

Backlight Timeout—select the amount of time you would like the backlight to remain on after you touch the screen.

Map Setup

On the Main menu, touch **Setup** > **Map**.

Orientation—select how the map is shown on the page. North Up shows north at the top of the page. Track Up shows your current direction of travel toward the top of the page. Automotive Mode shows an automotive perspective with next-turn information to use while driving



Automotive Mode

Auto Zoom—automatically selects the appropriate zoom level for optimal use on your map. When **Off** is selected, you must zoom in or out manually.

Show Data Fields—hide or show data fields on the Map page.

Advanced Map Setup—set the zoom levels, the text size, and the detail level of the map.







- **Zoom Levels**—select the zoom level for map items.
- Text Size—select the text size for map items.
- Detail—select the amount of detail shown on the map. Showing more detail may cause the map to redraw more slowly.
- **Shaded Relief**—turn on shaded relief maps if available.

Map Information—touch the check box to display a map. This can be helpful if several maps are loaded on the Dakota.

Tracks Setup

A track is a recording of your path. On the Main menu, touch **Setup** > **Tracks**

Track Log—turn track recording on or off.

Record Method—select a track

recording method. Touch **Distance**, **Time**, or **Auto**. If your record method is time or distance, enter the specific time or distance interval. Touch **Auto** to record the tracks at a variable rate to create an optimum

Interval—select a track log recording rate. Recording points more frequently creates a moredetailed track, but fills the track log faster.

representation of your tracks.

Customizing the Main Menu

You can put frequently-used applications on the first page of the Main menu

To change the order of applications on the Main menu:

- 1. Touch **Setup > Main Menu**.
- 2. Touch the application you want to move.

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3. Touch Move Up or Move Down.

Routing Setup

Touch Setup > Routing.

Guidance Method-select a guidance method for calculating your route

- Off Road—calculates point-topoint routes.
- On Road For Time—calculates on-road routes that require minimal time to drive.
- On Road For Distance calculates on-road routes that are shorter in distance.

Calculate Routes for—select a transportation method to optimize your routes for.

Lock On Road—lock the current location marker on the nearest road. compensating for variances in map position accuracy (requires routable

maps).

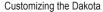
Off Road Transitions—select a transition method for routing off roads.

- **Auto**—automatically routes you to the next point.
- Manual—allows you to select the next point on the route by touching the point on the active route page.
- **Distance**—routes you to the next point on the route when you are within a specified distance of your current point.

Avoidance Setup—touch the road type you want to avoid.







Changing Marine Settings

Touch Setup > Marine.

Marine Chart Mode—Select the chart type.

Spot Soundings—turn spot soundings that indicate depth locations on or off.

Light Sectors—turn the sector in which a navigational light is visible on or off. Selecting **Auto** causes some light sectors to not be shown when the density of light sectors in an area is high.

Symbol Set—select the set of marine navaid symbols.

Marine Alarm Setup—turn marine alarms on or off.

 Anchor Drag Alarm—set an alarm to sound when you drift more than a specified distance.

- Off course Alarm—set an alarm to sound when you are a specified distance off course.
- **Deep Water**—set an alarm to sound when you enter an area of water that is too deep.
- Shallow Water—set an alarm to sound when you enter an area that is too shallow

Changing Time Settings

Touch **Setup** > **Time**.

Time Format—select a 12-hour or 24-hour format.

Time Zone—select the time zone for your location.







Touch Setup > Units.

Distance/Speed—select distance and speed units.

Elevation (Vert. Speed)—select elevation and vertical speed units.

Depth—select depth units in feet, fathoms, or meters for marine use.

Temperature—select water temperature in degrees Celsius or degrees Fahrenheit.

Pressure—select barometric pressure units in inches (Hg), millibars, or hectopascals.

Position Format

Use the default settings unless you are using a map or chart that specifies a different position format.

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To change the position format: Touch Setup > Position Format.

Modifying the Compass

Touch Setup > Heading.

Display—select the type of directional heading shown on the compass:

- Directional Letters—sets the Compass page reading to directional letters (N, S, E, W).
- Numeric Degrees—sets the Compass page reading to degrees $(0^{\circ}-359^{\circ})$.
- Mils—sets the Compass page reading to mils (0 mils–1000 mils).

North Reference—select the north reference of the compass:

- **True**—sets true north as the heading reference.
- Magnetic—automatically sets





Customizing the Dakota

the magnetic declination for your location.

- **Grid**—sets grid north as the heading reference (0°).
- **User**—allows you to set the magnetic variation value.

Go To Line/Pointer (depending on your unit)—select Bearing to show the Bearing Pointer, which indicates the direction to your destination.

Touch Course to select the Course Pointer, which indicates your relationship to a course line leading to the destination (page 10).

Compass—select Auto to switch from an electronic compass to a GPS compass when you are traveling at a higher rate of speed for a set period of time. Select Off to turn the electronic compass off and use the GPS compass.

Altimeter Setup

Touch Setup > Altimeter.

Auto Calibration—allow the altimeter to self-calibrate each time you turn the Dakota on.

Barometer Mode—select Variable Elevation (used when moving) or Fixed Elevation (used when stationary, allowing the altimeter to function as a standard barometer).

Pressure Trending—select when the pressure data is recorded. Touch Save Always to record pressure data every 15 minutes, even when the Dakota is turned off. Touch Save When Power On to record data only when the Dakota is turned on. This can be useful when you are watching for pressure fronts.

Plot Type—select the elevation plot type:







- Elevation/Time—records elevation changes over a period of time.
- Elevation/Distance—records elevation changes over a distance.
- Barometric Pressure—records barometric pressure over a period of time
- Ambient Pressure—records ambient pressure changes over a period of time.

To manually calibrate the altimeter:

- Go to a location where you know the elevation or the barometric pressure.
- 2. Touch Setup > Altimeter > Press To Begin Altimeter Calibration.
- Touch Yes if you know the elevation, touch No > Yes if you know the barometric pressure.

4. Enter the elevation or barometric pressure, and then touch .

Pairing the Dakota

The Dakota can be used with an optional Garmin heart rate monitor to display your heart rate. It can also be used with an optional Garmin cadence bike sensor to display your pedaling cadence. When connected to the appropriate Garmin device, the heart rate and bike cadence values are listed as data-field options on the Map page, the Compass page, and the trip computer.

Pairing is connecting your Dakota with wireless sensors, such as a heart rate monitor or a cadence bike sensor. After you pair the first time, your Dakota automatically recognizes the wireless sensor whenever they are turned on and within range of each other.





Customizing the Dakota

To pair the Dakota with a wireless sensor:

- Place the Dakota within 10 feet (3 meters) of the wireless sensor (heart rate monitor or speed/ cadence bike sensor).
- 2. Turn the wireless sensor on.
- On the Main menu, touch Setup > Fitness > Heart Rate Monitor or Bike Cadence Sensor.
- 4. Touch Search for new.
- 5. A "Connected" message appears.



NOTE: To prevent your Dakota from communicating with wireless sensors, touch Setup > Fitness > Heart Rate Monitor (or Bike Cadence Sensor) > Off.

Reset

- 1. Touch Setup > Reset.
- 2. Touch an item to reset it.

Viewing Your Dakota Information

On the Main menu, touch **Setup** > **About...** to view the Dakota software version, unit ID number, GPS software version, and legal information.





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Appendix

Specifications

Physical

Size: 4.5 in. H × 2.3 in. W × 1.4 in. D ($114 \times 58 \times 36$ mm)

Weight: 5.1 oz. (146 g) without

batteries

191.4 g with batteries

Display: 2.6 in. diagonal (66 mm)

backlit 65K color TFT display (160 × 240 pixels)

Case:

Rugged plastic, waterproof to IPX7

Temperature Range: From -4°F to 158°F (from -20 to

70°C)*

*The temperature rating of the Dakota may exceed the usable range of some batteries. Some batteries can rupture at high temperatures. Power

Source: Two AA batteries

(alkaline, NiMH, or

lithium)

Battery Life: Up to 20 hours

Accuracy

GPS: < 33 ft. (10 m) 95% typical*
*Subject to accuracy degradation to 100
m 2DRMS under the U.S. DoD imposed
Selective Availability (SA) Program
when activated

DGPS: from 10 to 16 ft. (from

3 to 5 m) 95% typical (WAAS accuracy in North America)

Velocity: 0.328 ft./sec. (0.1

m/sec) steady state





Appendix

Interfaces: USB mass storage

device

Data Storage Life: Indefinite;

no memory

battery required

Map Storage: Internal or

microSD Card

Performance

Receiver: more than 12 channel

WAAS enabled/High

sensitivity

Acquisition Times: < 1 second

(warm start)

< 33 seconds (cold

start)

< 36 seconds (autolocate)

Update Rate: 1/second,

continuous

Compass: Accuracy: ± 2 degrees

(± 5 degrees in extreme Northern and Southern latitudes)*

Resolution: 1 degree

Altimeter: Accuracy: ± 10 ft. (± 3

m)*

Resolution: 1 ft. (.3 m) Range: from -2,000 ft. to 30,000 ft. (from -610

to 9144 m)

*Subject to proper user calibration.

Using Demo Mode

Demo mode turns the GPS receiver off for use indoors or for practice. The unit does not track satellites in Demo mode



CAUTION: Do not try to navigate using Demo mode because the GPS receiver is turned off. Any satellite signal-strength bars shown are only simulations and do not represent the strength of actual satellite signals.

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To turn Demo Mode on, touch **Setup** > **System** > **GPS** > **Demo Mode**.

Connecting Your Dakota to a Computer

You can connect the Dakota to your computer using the supplied USB cable.

To connect your Dakota to your computer:

- 1. Lift the weather cap on the bottom of the Dakota.
- Insert the smaller connector on the USB cable into the USB mini-B jack.
- Connect the other end of the cable to a USB port on your computer.

Installing a microSD™ Card

The Dakota microSD data card tray is located beneath the AA batteries. Purchase microSD cards from an electronics supplier or purchase preloaded MapSource® detailed map data cards from your Garmin dealer. Go to

http://buy.garmin.com for compatible map products.

To install or remove a microSD card:

- Lift the latch on the back of the Dakota (page 2) and remove the battery cover and the batteries.
- 2. Lift the metal cover.
- Push the card into the microSD card tray and close the metal cover.





Appendix



- To remove the microSD card, lift the metal cover and remove the card from the microSD card tray.
- 5. Replace the batteries and the battery cover.

In addition to map and data storage, the microSD card can be used to store files such as images, Wherigo cartridges, geocaches, routes, waypoints, and custom POIs.

Transferring Tracks, Routes, or Waypoints

Tracks, routes, and waypoints (including geocache sites) can be transferred between your Dakota and computer maps such as MapSource or maps accessed on mapping Web sites, such as Google™ Maps.

To transfer tracks, routes, or waypoints to and from MapSource:

- 1. Connect the Dakota to the computer with the USB cable.
- 2. Turn the Dakota on.
- Open MapSource on your computer.
- Click Receive From Device...
 or Send To Device... on the
 MapSource Transfer menu.







Before transferring data to or from a Web site directly to the Dakota, install the Garmin Communicator plug-in from www.garmin.com/products /communicator.

Loading and Deleting Files

You can use the Dakota as a USB mass storage device, and you can purchase a separate microSD card for additional external memory.



NOTE: The Dakota is not compatible with Windows® 95, 98, Me, or NT. It is also not compatible with Mac® OS 10.3 or earlier.

To load a file onto the Dakota or microSD card:

- 1. Remove the battery cover and insert a microSD card (page 33).
- Connect the USB cable to the Dakota and your computer.
- 3. Copy the file from your computer.
- Paste the file into the Garmin or the microSD card/volume.

To delete a file from the Dakota or microSD card:

- Open the Garmin or SD card drive/volume.
- Highlight the file and press the Delete key on your computer keyboard.



CAUTION: When deleting files, do not delete pre-programmed map data (files that end with ".img"). It is not recoverable.





Optimizing Battery Life

Use premium batteries for optimal performance and maximum battery life. The best performance is provided by lithium batteries, precharged (ready-to-use) NiMH batteries, and NiMH rechargeable batteries less than one year old with a capacity greater than 2500 mAh.

Consider the following suggestions to maximize battery life:

- Do not adjust the backlight more than is necessary (page 3). Using a backlight level above 50% of maximum level for a prolonged period of time, will significantly decrease battery life.
- Select a shorter backlight timeout (page 23).
- Turn tones off if not needed (page 22).

- Turn electronic compass off if not needed (page 28).
- If you plan on using the Dakota extensively in your automobile, consider purchasing a vehicle power cable (http://buy.garmin. com).

Restoring Factory Default Settings

You can restore your Dakota to the original factory settings. Changes you have made using Setup are restored to the default settings.

To restore factory settings, touch Setup > Reset > Restore Defaults to Factory Settings > Yes.







Attaching a Carabiner

 Position the carabiner clip in the slots on the mounting spine of the Dakota.



2. Slide the clip up until it locks in place.

To remove the carabiner clip, lift the bottom of the clip and slide the carabiner clip off the mounting spine.

Calibrating the Touchscreen

The Dakota screen does not normally require calibration. However, if the buttons do not seem to be responding properly, use the following process.

To calibrate the touchscreen:

- While the unit is turned off, press and hold the Power key for approximately 30 seconds.
- 2. Follow the instructions on the screen until "Calibration is complete" is displayed.







Software License Agreement

BY USING THE Dakota, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE FOLLOWING SOFTWARE LICENSE AGREEMENT. PLEASE READ THIS AGREEMENT CAREFULLY.

Garmin grants you a limited license to use the software embedded in this device (the "Software") in binary executable form in the normal operation of the product. Title, ownership rights, and intellectual property rights in and to the Software remain in Garmin.

You acknowledge that the Software is the property of Garmin and is protected under the United States of America copyright laws and international copyright treaties. You further acknowledge that the structure, organization, and code of the Software are valuable trade secrets of Garmin and that the Software in source code form remains a valuable trade secret of Garmin. You agree not to decompile,

disassemble, modify, reverse assemble, reverse engineer, or reduce to human readable form the Software or any part thereof or create any derivative works based on the Software. You agree not to export or re-export the Software to any country in violation of the export control laws of the United States of America.

Declaration of Conformity (DoC)

Hereby, Garmin, declares that this Dakota is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/FC

To view the full Declaration of Conformity, see the Garmin Web site for your Garmin product: www.garmin.com









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