Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for GARMIN ETREX 10. You'll find the answers to all your questions on the GARMIN ETREX 10 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

GARMIN.

eTrex®
owner's manual
for use with models 10, 20, 30

Manual abstract:

@@@@@@GarminÂ®, the Garmin logo, eTrexÂ®, BlueChartÂ®, and City NavigatorÂ® are trademarks of Garmin Ltd. Or its subsidiaries, registered in the USA and other countries. These trademarks may not be used without the express permission of Garmin. WindowsÂ® is a registered trademark of Microsoft Corporation in the United States and/or other countries. Other trademarks and trade names are those of their respective owners. 40 eTrex Ownerâs Manual Getting Started Getting Started â¹ warning See the Important Safety and Product Information guide in the product box for product warnings and other important information. When using your device the first time, you should complete these tasks to set up the device and get to know the basic features. Turn on the device (page 8). Record a track (page 14). Device Overview â â â â â â Zoom keys â Back key â Thumb Stickâ¢ â Menu key â /Backlight key 5 eTrex Ownerâs Manual Getting Started â â â â Using the eTrex Keys â Mini-USB port (under weather cap) â Battery cover â Battery cover locking ring â Mounting spine â¢ Move the Thumb Stick up, down, left, and right to highlight menu selections or to move around the map.

â¢ Press the center of the Thumb Stick to select the highlighted item. â¢ Press back to move back one step in the menu structure. â¢ Press menu to display a list of commonly-used functions for the current page. Press menu twice to access the main menu from any page. â¢ Press â² and â¼ to zoom in and out on the map.

6 eTrex Ownerâs Manual Getting Started Battery Information â¹ warning The temperature rating for the device (-4Â°F to 158Â°F, or -20 to 70Â°C) may exceed the usable range of some batteries. alkaline batteries can rupture at high temperatures. Notice Alkaline batteries lose a significant amount of their capacity as temperature decreases. Therefore, use lithium batteries when operating the device in below-freezing conditions. installing AA Batteries The device operates on two AA batteries.

You can use alkaline, NiMH, or lithium batteries. Use NiMH or lithium batteries for best results. 1. Turn the D-ring counter-clockwise, and pull up to remove the cover. Replace the battery cover, and turn the D-ring clockwise. Satellite Signals After the device is turned on, it begins acquiring satellite signals. The device may need a clear view of the sky to acquire satellite signals. When the GPS bars on the backlight page (page 40) are solid green, your device has acquired satellite signals. The time and date are set automatically based on the GPS position. For more information about GPS, go to http://www.

â¢ Keep the original sales receipt, or a photocopy, in a safe place. 8 eTrex Ownerâs Manual Waypoints, Routes, and Tracks Waypoints, Routes, and Tracks Waypoints Waypoints are locations you record and store in the device. Creating a Waypoint You can save your current location as a waypoint. Select an option: â¢ To save the waypoint without changes, select Done. â¢ To make changes to the waypoint, select an item to edit, and select Done. Editing a Waypoint Before you can edit a waypoint, you must create a waypoint. ETrex Ownerâs Manual 9 Waypoints, Routes, and Tracks Increasing the Accuracy of a Waypoint Location Waypoint averaging allows you to increase the accuracy of a waypoint location by collecting multiple samples of the waypoint location. Move to the location. For best results, collect four to eight samples for the waypoint, waiting at least 90 minutes between samples. Using Sight âN Go Sight âN Go is available on the eTrex 30.

You can point the device at an object in the distance, lock in the direction, and then navigate to the object. Point the device at an object or in the direction of a location. Enter the distance to the object, and select Done > Save. 10 eTrex Ownerâs Manual Waypoints , Routes , and Tracks Where To? Menu You can use the Where To? Additional Maps You can use additional maps on the eTrex 20 and eTrex 30, such as BirdsEyeâ¢ satellite imagery, BlueChartÂ® g2, TOPO, and City NavigatorÂ® detailed maps. Detailed maps may contain additional points of interest, such as restaurants or marine services.

Finding a Location by Name Depending on the maps loaded on your device, you can search for cities, geographic points, and various points of interest (POIs), such as restaurants, hotels, and auto services. Enter all or part of the name, and select Done. ETrex Ownerâs Manual 11 Waypoints, Routes, and Tracks Finding an Address You can use optional City Navigator maps to search for addresses. If necessary, enter the country or state. Select the first point in the route.

Repeat steps 2â4 until the route is complete. 6. Select back to save the route. Routes A route is a sequence of waypoints that leads you to your final destination. Select an option: â¢ To view the point on the map, select Review. â¢ To change the order of the point on the route, select Move Down or Move Up. â¢ To add an additional point on the route , select Insert. The additional point is inserted before the point you are editing. â¢ To remove the point from the route, select Remove. 6.

Select back to save the route. Select a point in the route to view additional details. ETrex Ownerâs Manual 13 Waypoints, Routes, and Tracks Tracks A track is a recording of your path. The track log contains information about points along the recorded path, including time, location, and elevation for each point. If you select Record, Show On Map, a line on the map indicates your track. Select an option: â¢ To record tracks at a variable rate that creates an optimum representation of your tracks, select Auto. â¢ To record tracks at a specified distance, select Distance. 14 â¢ To record tracks at a specified time, select Time. Complete an action: â¢ Select an option to record tracks more or less often. NOTE: Using the Most Often interval provides the most track detail, but fills up the device memory quicker.

â¢ Enter a time or distance, and select Done. As you move with the device turned on, a track log is created. ETrex Ownerâs Manual Waypoints, Routes, and Tracks Saving the Current Track The track being recorded is called the current track. The beginning and the end of the track are marked by flags. Archiving a Saved Track You can archive saved tracks to save memory space.

ETrex Ownerâs Manual 15 Navigation Navigation You can navigate a route, a track, to a waypoint, to a geocache, or to any saved location in the device.

You can use the map (page 16) or compass (page 17) to navigate to your destination. Represents your location on the map. as you travel , moves. When you are navigating to a destination, your route is marked with a magenta line on the map.

To customize the map settings, see page 31. To customize the map dashboard and data fields, see page 28. You can navigate to a destination using the map or compass. The map page opens with your route marked with a magenta line. Select one or more options: â¢ Use the Thumb Stick to pan the map to view different areas. â¢ Select â² and â¼ to zoom in and out of the map. 16 eTrex Ownerâs Manual Navigation â¢ Select a location on the map, and the bar at the top of the screen shows information about the selected location. Navigating a Driving Route Driving route navigation is only available on the eTrex 20 and eTrex 30. Before you can use the map, you must purchase and load City Navigator maps. If you plan to use an auto mount accessory with the device, you must also purchase and install the mount in your vehicle.

Use the map to navigate to the destination. 3. Follow the turns in the text bar along the top of the map. compass The eTrex 30 has a 3-axis , electronic compass. You can use a bearing pointer or a course pointer to navigate to your destination. TIP: When the device is using the automotive profile, the compass displays GPS heading, not magnetic heading. Calibrating the Compass Notice Calibrate the electronic compass outdoors. To improve heading accuracy, do not stand near objects that influence magnetic fields, such as cars, buildings, or overhead power lines. ETrex Ownerâs Manual 17 Navigation You should calibrate the compass after moving long distances, experiencing temperature changes, or changing the batteries. Navigating with the Bearing Pointer When navigating to a destination, points to your destination, regardless of the direction you are moving.

Turn until points toward the top of the compass, and continue moving in that direction to the destination. About the Course Pointer The course pointer is most useful if you are navigating on water or where there are no major obstacles in your path. â â â â The course pointer â indicates your relationship to a course line â leading to the destination. The course line to your destination is based on your original starting point. As you drift from the intended course to the destination, the course deviation indicator â (CDI) provides the indication of drift (right or left) from the course.

The scale â refers to the distance eTrex Ownerâs Manual 18 Navigation between dots on the course deviation indicator. Before you can navigate with the course pointer, you must change the pointer setting to Course (CDI) (page 34). Navigating with the Course Pointer Changing the Plot Type You can change the elevation plot to display pressure and elevation over time or distance. Viewing Details about a Point on the Plot Select an individual point on the plot. Details about the point appear at the top of the plot.

Use the course pointer to navigate to the destination (page 18). elevation Plot Elevation plotting is available on the eTrex 30. By default, the elevation plot displays the elevation for an elapsed time. To customize the elevation plot, see page 34. select Elevation Plot. ETrex Ownerâs Manual 19 Navigation Calibrating the Barometric Altimeter You can manually calibrate the barometric altimeter if you know the correct elevation or the correct barometric pressure. 1. Go to a location where the elevation or barometric pressure is known. Resetting the Trip Data For accurate information, reset the trip information before beginning a trip. select Trip Computer > menu > Reset > Reset Trip Data > Yes.

All of the trip computer values are set to zero. Trip Computer The trip computer displays your current speed, average speed, maximum speed, trip odometer, and other helpful statistics. To customize the trip computer, see page 28. 20 eTrex Ownerâs Manual Geocaches Geocaches A geocache is like a hidden treasure. Geocaching is when you hunt for hidden treasures using GPS coordinates posted online by those hiding the geocache. Filtering the Geocache List You can filter your geocache list based on certain factors, such as the level of difficulty. Select an option: â¢ To apply the filter to the geocache list, select Search. â¢ To save the filter , select back. Creating and Saving a Geocache Filter You can create and save custom filters for geocaches based on specific factors you select. After you set up the filter, you can apply it in the geocaches list.

If necessary, create an account. Follow the on-screen instructions to find and download geocaches to your device. Select an option: â¢ To apply the filter to the geocache list, select Search. â¢ To save the filter , select back. After it is saved, the filter is automatically named.

You can access the custom filte. Customize the settings as necessary (page 28). 2. Customize the data fields as necessary (page 28). Profiles Profiles are collections of settings that optimize your device based on how you are using it.

For example, your settings and views can be different when you are using the device for geocaching and for navigating on water. When you are using a profile and you change settings such as data fields or eTrex Ownerâs Manual 29 Customizing Your Device Editing a Profile Name 1. â¢ Languageâsets the text language on the device. Note: Changing the text language does not change the language of user-entered data or map data, such as street names. â¢ Battery Typeâallows you to select the type of AA battery you are using. display Settings Select Setup > Display. â¢ Backlight Timeoutâadjusts the length of time before the backlight turns off. Note: To adjust the backlight brightness, see page 40. â¢ Colors (eTrex 20/30)âsets the colors that display in Night and Day mode. ââ¦ Modeâsets a light background (Day), a dark background eTrex Ownerâs Manual System Settings Select Setup > System.

â¢ GPSâsets the GPS to Normal , WAAS/EGNOS (Wide Area Augmentation System/European Geostationary Navigation Overlay Service) , or Demo Mode (GPS off). For information about WAAS, go to http://www. 30 Customizing Your Device (Night), or automatically switches between the two based on the sunrise time and the sunset time for your current location (Auto). ââ¦ Day Background Colorâsets the background image used in day mode. ââ¦ Day Highlight Colorâsets the color for selections in day mode.

Â�â�¦ Night Background Colorâ�� sets the background image used in night mode. Â�â�¦ Night Highlight Colorâ��sets the color for selections in night mode. Â�¢ Screen Captureâ��allows you to take screen captures on the device. Setting the Device Tones You can customize tones for messages, keys, turn warnings, and alarms. Â�¢ Orientationâ��adjusts how the map is shown on the page.

Â�â�¦ North Upâ��shows north at the top of the page. Â�â�¦ Track Upâ��shows your current direction of travel toward the top of the page. Â�â�¦ Automotive Modeâ��shows an automotive perspective with the direction of travel at the top. Â�¢ Guidance Textâ��allows you to select when to show guidance text on the map. 31 eTrex Ownerâ��s Manual Customizing Your Device Â�¢ Data Fieldsâ��selects the number and size of the data fields to display on the map.

@@@@When Off is selected, you must zoom in or out manually. @@@@@@Showing more detail may cause the map to redraw more slowly. @@@@@@@@@@Tracks are saved and cleared automatically based on the user setting. @@@@@@@@Select a unit of measure for the setting. @@ select Setup > Position Format.

@@@@@@This function is available on the eTrex 30. @@@@@@Â�â�¦ Bearing (Small or Large)â�� sets the direction to your destination. 34 â�â�¦ Course (CDI)â��the course deviation indicator displays your relationship to a course line leading to a destination. Â�¢ Compassâ��switches from an electronic compass to a GPS compass when you are traveling at a higher rate of speed for a set period of time (Auto), or turns the compass off. This function is available on the eTrex 30. Â�¢ Auto Calibrationâ��allows the altimeter to self-calibrate each time you turn the device on. ETrex Ownerâ��s Manual Customizing Your Device Â�¢ Barometer Mode â�â�¦ Variable Elevationâ��allows the barometer to measure changes in elevation while you are moving. Â�â�¦ Fixed Elevationâ��assumes the device is stationary at a fixed elevation. Therefore, the barometric pressure should change only due to weather. Â�¢ Pressure Trending â�â�¦ Save When Power Onâ�� records pressure data only when the device is turned on.

This can be useful when you are watching for pressure fronts. Â�â�¦ Save Alwaysâ��records pressure data every 15 minutes, even when the device is turned off. Â�¢ Plot Type â�â�¦ Elevation/Timeâ��records elevation changes over a period of time. â�â�¦ Elevation/Distanceâ��records elevation changes over a distance. Â�â�¦ Barometric Pressureâ��records barometric pressure over a period of time. Â�â�¦ Ambient Pressureâ��records ambient pressure changes over a period of time. Â�¢ Geocache Listâ��allows you to display the geocache list by names or codes. ETrex Ownerâ��s Manual 35 Customizing Your Device Â�¢ Found Geocachesâ��allows you to edit the number of geocaches found. This number automatically increases as you log a find (page 22). Â�¢ Guidance Methodâ��allows you to select a guidance method for calculating your route.

â�â�¦ Off Roadâ��calculates point-topoint routes. Â�â�¦ On Road For Time (requires routable maps)â��calculates onroad routes that require minimal time to drive. â�â�¦ On Road For Distance (requires routable maps)â�� calculates on-road routes that are shorter in distance. Â�¢ Calculate Routes forâ��allows you to select a transportation method in order to optimize your route. Routing Settings The device calculates routes optimized for the type of activity you are doing.

The routing settings available vary based on the activity selected. 36 eTrex Ownerâ��s Manual Customizing Your Device Â�¢ Lock On Roadâ��locks the position icon, which represents your position on the map, onto the nearest road. â�¢ Off Road Transitionsâ��available only for some activities. Â�â�¦ Autoâ��automatically routes you to the next point. Â�â�¦ Manualâ��allows you to select the next point on the route.

Â�â�¦ Distanceâ��routes you to the next point on the route when you are within a specified distance of your current point. Â�¢ Avoidance Setupâ��(available only for some guidance methods) allows you to select the road type you want to avoid. marine Map Settings Select Setup > Marine. This function is available on the eTrex 20 and eTrex 30. Â�¢ Marine Chart Modeâ��allows you to select a nautical chart or a fishing chart: â�â�¦ Nauticalâ��displays various map features in different colors so that the marine POIs are more readable. The nautical chart reflects the drawing scheme of paper charts. Â�â�¦ Fishingâ��(requires marine maps) displays a detailed view of bottom contours and depth soundings. Simplifies map presentation for optimal use while fishing. Â�¢ Appearanceâ��allows you to set the appearance of marine navigation aids on the map. 37 eTrex Ownerâ��s Manual Customizing Your Device Â�¢ Marine Alarm Setup â�â�¦ Anchor Drag Alarmâ��alarm sounds when you exceed a specified drift distance while anchored.

Â�â�¦ Off Course Alarmâ��alarm sounds when you are off course by a specified distance. Â�â�¦ Deep Water/Shallow Waterâ�� alarm sounds when you enter water of a specific depth. If necessary, enter a distance, then select Done. Fitness For more information on optional fitness accessories, see page 46. Resetting Data You can reset trip data, delete all waypoints, clear the current track, or restore default values. 38 eTrex Ownerâ��s Manual Customizing Your Device Restoring Specific Page Settings You can restore the settings for the map, compass, and trip computer. 1. Open the page for which you will restore the settings. Restoring All Default Settings You can reset all the setup values to the original settings. select Setup > Reset > Reset All Settings > Yes. Changing the Page Sequence Before you can change the order of the page sequence, you must add pages to the sequence (page 39).

ETrex Owner's Manual 39 Device Information Device Information Adjusting the Screen Note: The backlight brightness may be limited when the remaining capacity in the batteries is low. Extensive use of screen backlighting can significantly reduce battery life. Move the Thumb Stick left and right to adjust the brightness level. 3.

Move the Thumb Stick up and down to adjust the contrast level (eTrex 10 only). Adjusting the Backlight Timeout You can decrease the backlight timeout to maximize battery power. select Setup > Display > Backlight Timeout. 40 Updating the Software Before you can update the software, you must connect the device to your computer (page 44). Note: Updating the software does not erase any of your data or settings.

Viewing Device Information You can view the unit ID, software version, and license agreement. select Setup > About. ETrex Owner's Manual Device Information Specifications Water resistance Rugged plastic, waterproof to IEC 60529 IPX7 Battery type 2 AA batteries, (alkaline, NiMH, lithium, or precharged NiMH) Battery Life Up to 25 hours Operating From -4°F to 158°F temperature (-20°C to 70°C) range ¹ caution Contact your local waste disposal department to properly recycle the batteries. Notice Alkaline batteries lose a significant amount of their capacity as temperature decreases. Therefore, use lithium batteries when operating the device in below-freezing conditions. Maximizing Battery Life You can do various things to increase the battery life. • Leave the backlight off when not needed. About the Batteries ¹ warning The temperature rating for the device (page 41) may exceed the usable range of some batteries. ETrex Owner's Manual 41 Device Information Long-Term Storage When you do not plan to use the device for several months, remove the batteries. Stored data is not lost when batteries are removed.

It can withstand immersion in 1 meter of water for 30 minutes. However, prolonged submersion can cause damage to the device. After submersion, be certain to wipe dry and air dry the device before using or charging. Extreme Temperatures notice Do not store the device where prolonged exposure to extreme temperatures can occur because it can cause permanent damage. Caring for the Device NOTICE Avoid chemical cleaners and solvents which can damage plastic components. cleaning the Device 1. Dampen a clean cloth with a mild detergent solution. 2. Wipe the device with the damp cloth. Dampen a soft, clean, lint-free cloth with water, isopropyl alcohol, or eyeglass lens cleaner.

2. Wipe the screen with the cloth. 42 eTrex Owner's Manual Device Information Note: The device is not compatible with Windows® 95, 98, Me, or NT. It is also not compatible with Mac® OS 10. • GPI custom POI files from the Garmin POI Loader • GPX geocache files Data Management Installing a microSD Card The eTrex 20 and eTrex 30 can use microSD cards for additional storage.

Also, some maps are available preloaded on memory cards. Turn the D-ring counter-clockwise, and pull up to remove the cover. Slide the card holder toward the bottom of the device and lift up, as instructed in the battery compartment. eTrex Owner's Manual 43 Device Information 4. Place the microSD card in the device with the gold contacts facing down.

Slide the card holder toward the top of the device to lock it. Replace the battery cover, and turn the D-ring clockwise. Connecting the Device to a Computer Notice To prevent corrosion, thoroughly dry the mini-USB port, the weather cap, and the surrounding area before charging or connecting to a computer. 1. Connect the USB cable to a USB port on your computer. 2. Pull up the weather cap from the mini-USB port . 44 3. Plug the small end of the USB cable into the mini-USB port. Your device and memory card (optional) appear as removable drives in My Computer on Windows computers and as mounted volumes on Mac computers.

Transferring Files to Your Computer Before you can transfer files, you must connect the device to your computer (page 44). 1. Browse your computer for the file. Open the "Garmin" or memory card drive/volume. TIP: You must put geocache files in the Garmin\GPX folder. Deleting Files Notice If you do not know the purpose of a file, do not delete it. Your device memory contains important system files that should not be deleted. be especially cautious of folders entitled "Garmin. " Before you can delete files, you must connect the device to your computer (page 44). Press the Delete key on your keyboard.

disconnecting the USB Cable 1. Complete an action: • For Windows computers, click the eject icon in your system tray. • For Mac computers, drag the volume icon to the Trash . 2. Disconnect the device from your computer.

45 Appendix Appendix Optional Accessories Optional accessories, such as mounts, maps, fitness accessories, and replacement parts, are available at http://buy. Optional Fitness Accessories Fitness accessories are available for the eTrex 30. Before you can use the fitness accessory with your device, you must install the accessory according to the instructions included with the accessory. 46 You can use optional fitness accessories including a heart rate monitor or a cadence sensor with your device. These accessories use ANT+• wireless technology to send data to the device.

using Optional Fitness Accessories 1. Bring the device within range (10 ft. Customize your data fields to view the heart rate or cadence data (page 28). ETrex Owner's Manual Appendix Tips for Pairing ANT+ Accessories with Your Garmin Device • Verify that the ANT+ accessory is compatible with your Garmin device. • Before you pair the ANT+ accessory with your Garmin device, move (33 ft. or 10 m) away from other ANT+ accessories. • Bring the Garmin device within range (10 ft. or 3 m) of the ANT+ accessory. • After you pair the first time, your Garmin device automatically recognizes the ANT+ accessory each time it is activated. This process occurs automatically when you turn on the Garmin device and only takes a few seconds when the accessories are activated and functioning correctly.

• When paired, your Garmin device receives data from only your eTrex Owner's Manual accessory, and you can go near other accessories. Data Field Options Data Field Accuracy of GPS Not all data fields are available for all models. description The margin of error for your exact location. For example, your GPS location is accurate to within +/- 12 ft. The direction from your current location to a destination. Distance to The distance to your Destination final destination.

48 Glide Ratio Description The remaining distance to the next waypoint on the route. The altitude of your current location above or below sea level. The estimated time of day you will reach your final destination. The estimated time of day you will reach the next waypoint on the route.

@@@@@@GPS Signal The strength of the Strength GPS signal. Heading The direction you are moving. @@Required) Location Displays the current (lat/lon) position in the default position format regardless of the selected settings. Location Displays the current (selected) position in the selected position format. eTrex Ownerâs Manual Data Field Odometer Off Course Pointer Speed Speed Maximum Speed Moving Avg.

Description A running tally of distance traveled for all trips. The distance to the left or the right by which you have strayed from the original path of travel. The data field arrow points in the direction of the next waypoint or turn. The current rate of speed at which you are moving since last reset. The maximum speed reached since last reset.

The average speed of the device while moving since last reset. The time of sunrise based on your GPS position. The time of sunset based on your GPS position. The current time of day based on your time settings (format, time zone, and daylight saving time). The estimated time needed to reach your final destination. The estimated time needed to reach the next waypoint on the route. The direction in which you must move to return to the route. Data Field Description Trip Odometer A running tally of the distance traveled since the last reset. Trip Time A running tally of time Moving since the last reset. Trip Time The time spent not Stopped moving since the last reset.

Trip Time A running tally of Total distance traveled since the last reset. Turn The angle of difference (in degrees) between the bearing to your destination and your current course. Velocity Made The speed at which Good you are closing on a destination along a route. Waypoint at The next point on Next your route. eTrex Ownerâs Manual 51 Appendix Troubleshooting Problem The device does not respond. How do I reset the device? I want to reset all the customized settings back to the factory defaults. Note: This does not erase any of your data or settings. select Setup > Reset > Reset All Settings. The batteries do not last long. How do I know my On the device, an image of the device connected to a device is in USB mass computer appears.

storage mode? On your computer, you should see a new removable disk drive in My Computer on Windows computers and a mounted volume on Mac computers. 1. Take your device out of buildings and parking garages, and away from tall buildings and trees. 2. Turn on the device.

3. Remain stationary for several minutes. To learn how to maximize the battery life, see page 41. 52 eTrex Ownerâs Manual Appendix Problem My device is connected to the computer, but it will not go into mass storage mode. Disconnect the device from your computer.

2. Turn off the device. 3. Hold while you connect the device to your computer. 4. Continue holding for 30 seconds or until the device goes into mass storage mode. I cannot see any new If you have several network drives mapped on your removable drives in computer, Windows may have trouble assigning drive my list of drives. Letters to your Garmin drives. See the Help file for your operating system to learn how to assign drive letters. Com, or contact your Garmin parts or accessories.