**How to use your GPS Unit (Garmin eTrex 20)**

**Basic Setup**

1. Insert 2 AA batteries. To insert batteries, hold on to the silver D-ring on the back of the unit. Turn it, and pull off the back panel. At the end of each lesson, be sure to remove the batteries.

**Back** button lets you go back to the previous screen.

1. Turn it on.

Up and down 

buttons are used to zoom in and out OR to toggle up and down.



**Thumb Stick** toggles up and down. Pushing on it makes a selection. It is also used to adjust brightness level.

**Menu**

**Power and Light** button

Press and hold to turn on and off.

**Keep the Backlight off** whenever possible because it uses up the battery quickly. Battery life is 25 hours

**Select a Profile**

Profiles are a collection of settings that optimize your device based on how you are using it.

1. Select **Profile Change**.
2. Select a profile. (typical choices in a school setting are “Geocaching” or “Recreational”)

**General Tips**

**\* The GPS unit usually can pick up satellite transmissions only when you are outside**.

**\* When using eTrex20s outdoors with students, always bring extra AA batteries.**

**\* To save battery power, always make sure that students turn off all the units at the end of each lesson.**

**You may want to assign a student to make sure all units are turned off.**

**\* The eTrex20 compass only works when you’re moving.**

**How to connect the Garmin eTrex20 to a computer**

1. Connect the USB cable to a USV port on your computer.
2. Pull up the weather cap from the mini-USB port.
3. Plug the small end of the USB cable into the mini-USB port.

Your device and memory card appear as “mounted volumes” on Macs (or “removable drives” in My Computer on Windows).

**Resetting the Device**

Press **Menu**

Select **Reset**

Select **Reset All Setting**

Select **Yes**

**If the device stops responding**

1. Remove the batteries.
2. Reinstall the batteries.

NOTE: This does not erase any of your data or settings.

**To delete all waypoints**

Press **Menu**

Select **Waypoint Manager**

Select **Menu** again

Select **Delete All**

**To delete all tracks**

Press **Menu**

Select **Track Manager**

Select **Menu** again

Select **Delete All**

**Waypoints, Routes, and Tracks on Garmin eTrex20**

**Waypoints** – are locations your record and store in the device.

**Creating a Waypoint** – saves your current location as a waypoint

1. Select **Mark Waypoint**.

2. Select **Done**

**Finding a Waypoint**

1. Select **Where To? > Waypoint**

2. Select a **Waypoint**

**Editing a Waypoint** –before you edit a waypoint, you must create a waypoint

1. Select **Waypoint Manager**

2. Select a **Waypoint**

3. Select an item to edit

4. Enter the new information

5. Select **Done**

**Deleting a Waypoint**

1. Select **Waypoint Manager**

2. Select a waypoint

3. Select **menu > Delete > Yes**

**Routes** – a sequence of waypoints that leads you to your final destination

**Creating a Route**

1. Select **Route Planner > Create Route > Select First Point.**

2. Select a category.

3. Select the first point in the route.

4. Select **Use > Select Next Point**.

5. Repeat steps 2-4 until the route is complete.

6. Select **Back** to save the route.

**Editing the Name of a Route**

1. Select **Route Planner.**

2. Select a route.

3. Select **Change Name.**

4. Enter the new name.

5. Select **Done**.

**Editing a Route**

1. Select **Route Planner.**

2. Select a route

3. Select **Edit Route.**

4. Select a point.

5. Select an option.

\* To view the point on the map, select **Review**.

\* To change the order of the point on the route, select **Move Down** or **Move Up**.

\* To add an additional point on the route, select **Insert**.

6. Select back to save the route.

**Viewing a Route on the Map**

1. Select **Route Planner.**

2. Select a route.

3. Select **View** Map.

**Deleting a Route**

1. Select **Route Planner.**

2. Select a route.

3. Select **Delete Route.**

**Viewing the Active Route**

1. While navigating a route, select **Active Route.**

2. Select a point in the route to view additional details.

**Reversing a Route**

1. Select **Route Planner.**

2. Select a route.

3. Select **Reverse** Route.

**Tracks** – a recording of your path. The track log contains information about points along the recorded path, including time, location, and elevation for each point.

**Recording Track Logs**

1. Select **Setup > Tracks > Track Log.**

2. Select **Record, Do Not Show**, or **Record, Show on Map** (a line on the map indicates your track.

3. Select **Record Method.**

4. Select an option:

\* To record tracks at a variable rate that creates an optimum representation of your tracks, select **Auto**.

\* To record tracks at a specified distance, select **Distance**.

\* To record tracks at a specified time, select **Time**.

5. Select **Record Interval.**

6. Complete an action:

* 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.
* Enter a time or distance, and select **Done**.

As you move with the device turned on, a track log is created.

**Calculating the Size of an Area**

1. Select **Area Caluculation > Start**

2. Walk around the perimeter of the area you want to calculate

3. Select **Calculate** when finished.

**The full Garmin Manual is in the back of this binder.**