



Basecamp – Pt I

The basics...

Getting to know Basecamp & your GPS

Clifford Musante

<http://www.motocliffnotes.info> – My Blog

A little bit about me...

- Been riding for 15 months (5 months spent healing)
- Broke leg 2 weeks after my “comeback”
- Preparing for a trip to Patagonia in Nov, 2014
 - Less than 30 days from now
- Executive and Technologist for numerous IT firms
- Design Cloud compute strategies and systems
 - Am regularly asked
 - How is this s/w supposed to work
 - Why doesn't it work that way

Discussion Topics – Part I

- Understanding what BaseCamp is
- Connecting your GPS
- The difference between BaseCamp and GarminExpress
- Important distinctions (Way Points, Routes, BreadCrumbs, Tracks)
- Creating a Waypoint
- Creating a route
- Organizing your data (Collections, Devices, Folders, & Lists)
- Keeping your GPS clean
- Downloading info into GPS
- Capturing your Trip Logs
- Understanding "Your GPS is going to recalculate the route"
- Using Google Earth, Google Maps with your GPS
 - Did you know that you could...

Discussion Topics – Part 2

- Understanding how BaseCamp "Synch's" with your GPS
- Organizing your data into folders, lists, categories
- Understanding routing
- Creating very complex routes
- Custom waypoints and POIs
- Sharing Data with others
- Understanding Riding Profiles
- Creating a complex route
- Importing Data
- Exporting Data

Understanding what BaseCamp is

- Mapping s/w, provided for free, from Garmin
- Works well with Garmin products
- Works with all products (with varying levels of integration)
- Allows for the creation of
 - Waypoints, Routes, Adventures, Tracks
- Allows you to manage (Upload/Download, Organize, Copy, Delete)
 - Waypoints, Routes, Tracks

Connecting your GPS

- What should happen?
 - Windows driver “fires”
 - Garmin GPS powers ON
 - Garmin GPS becomes visible in BaseCamp
 - BaseCamp knows the GPS by name...
- DEMO

BaseCamp and Garmin Express

(The difference)





- Basecamp is mapping s/w
 - Allows you to view what is on your Garmin and in Basecamp
 - Allows you to
 - Create waypoints
 - Create Routes
 - Create Adventures
 - Navigate to points of interest (As part of a route)
- Garmin Express is designed to
 - Manage the s/w and subscriptions on your GPS
 - Allows you to
 - Load maps from Garmin, into your GPS
 - Load maps from Garmin, into Basecamp
 - Update the maps in your GPS
 - Add voices, languages, etc. to your Garmin
- Demo

Important distinctions


(Way Points, Routes, BreadCrumbs, Tracks)

- Waypoints
 - Places that you create, and you name, which have
 - Coordinates, elevations, descriptions, etc
- Points of Interest
 - Places recognized by everyone, already named
 - Are already loaded into Basecamp and GPS
 - Can be augmented and more symbols and POIs can be added
- Routes
 - A connection of waypoints and POIs
 - In an order
 - With specific routing instructions, and color coding
- Breadcrumbs
 - The individual time-stamped coordinates (Automatically stored)
- Tracks
 - A group of breadcrumbs is called a track

Creating a Waypoint

- Creation
 - Select the Waypoint tool 
 - Click on the map
 - A waypoint is created, and it is automatically named
 - You're done
 - A waypoint has been created
- Editing (and correcting...)
 - Change to the  tool

Creating a Route

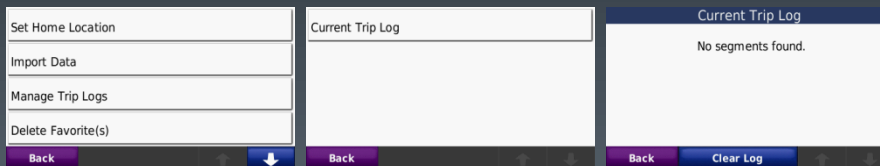
- Method 1
 - Select any of the following
 - Waypoints
 - Points of Interest
 - Routes
 - Breadcrumbs
 - Tracks
 - Right Click -> Create Route using selected waypoints
- Method 2
 - File -> New -> Route (Or Click on  ROUTE Symbol)
 - Drag and drop start & Finish

Organizing your data

- The metadata world...
- Tools of organizing
 - Collections
 - Devices
 - Folders
 - Lists
- Reasons for organizing
 - Sanity – Too much data makes things harder to find
 - Entropy: Things tend toward disorder, unless we stop it
 - Brevity – You can name things based on their context...
 - Saving Space – Only load what you need, share what you wish
 - Using your GPS while riding...

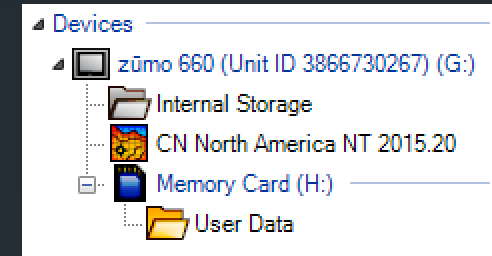
Keeping your GPS clean

- You should keep your GPS “Clean” for several reasons
 - With fewer items on your GPS, it is easier to find your favorites
 - The GPS will run faster, when it is kept “Lean”
 - If you don’t clean your GPS, then you run the risk of losing all of your history
 - All of your tracks, bread crumbs, and waypoints will get lost
 - If you have to reset your GPS
 - If your GPS fails
 - If you lose your GPS
- You can keep your GPS clean by
 - Copying all important data from the GPS into Basecamp
 - Removing your “Current Log” from the GPS
 - Removing routes, and favorites from the GPS



Downloading info into GPS

- Device Menu
 - Device -> SendTo ->
- Drag & Drop
 - To Internal
 - Drag a list, waypoint, route, etc to the **Internal Storage** on Device
 - Is immediately available on Device
 - To SD Card
 - Drag a list, waypoint, route, etc to the **Memory Card** on Device
 - Is “Discoverable” & “Importable” on Device
- Export / Import
 - Export any waypoint, list, route, etc
 - Copy it to the **Memory Card**, or to the **Internal Storage**
 - You’ll be prompted to import it



Look familiar?

Everything on the Garmin starts here & goes into

- System Menus
 - Maintenance and setup
- Functional Menus
 - Navigation & Display



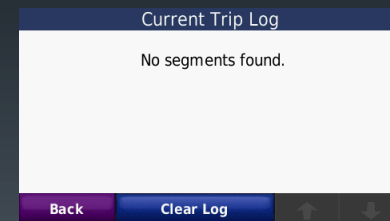
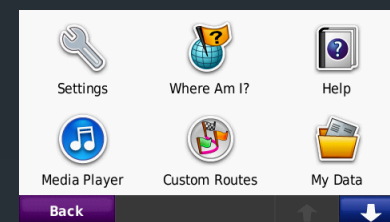
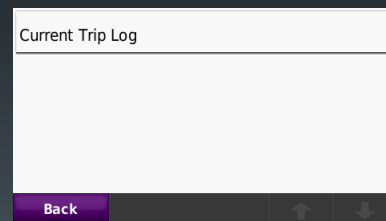
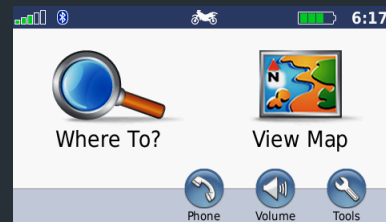
Capturing your Trip Logs

(and other things...)

- Did you know that
 - Your GPS keeps track of your movement
 - Capturing a GPS coordinate every few seconds
 - Stopping and restarting, every time the GPS does the same
 - Organizes all of it by date and time?

From within your Garmin

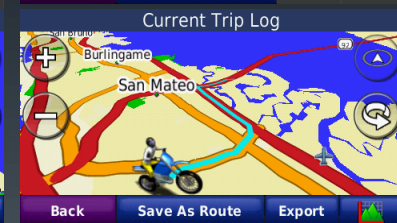
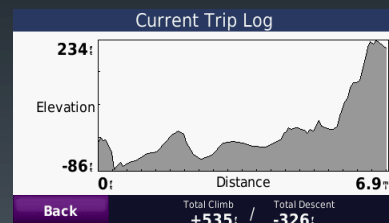
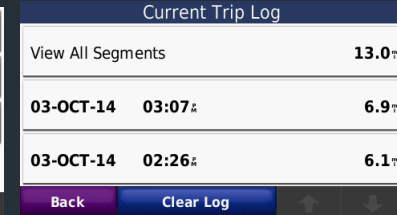
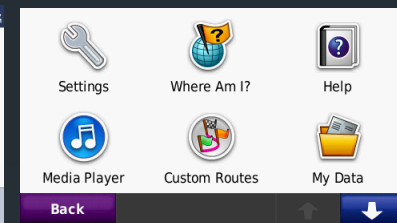
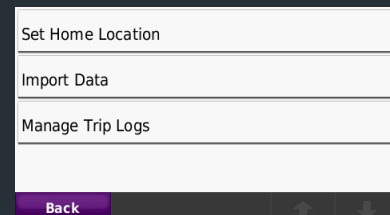
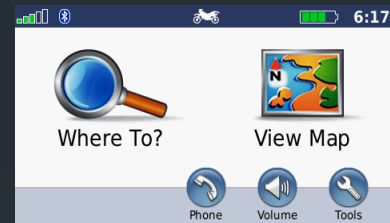
- Main Menu: Tools
 - My Data
 - Current Trip Log
 - All logs are shown
 - Mileage is visible




Using your Trip Logs

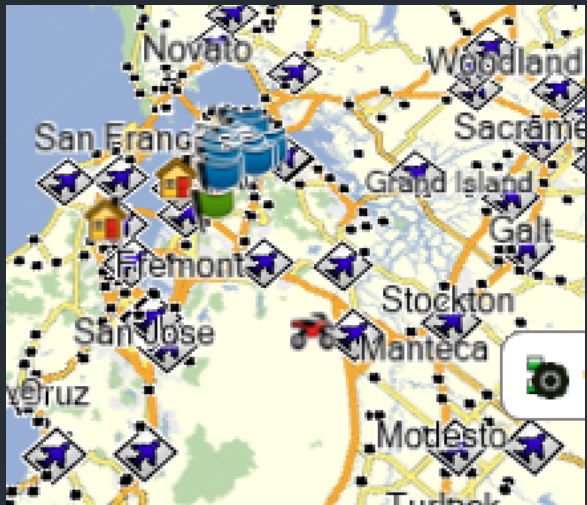
(and other things...)

- Did you know that
 - You can use your Ride Logs to do many things
 - Export them for viewing elsewhere
 - Convert them into a route
 - View their elevation profile
 - View the route
 - Visualize the route



Using GPS coordinates (in other maps)


 Carnegie SVRA



Carnegie SVRA

Properties Notes Categories References

Name: Carnegie SVRA

Display:  Symbol and Name

Position:

37°37'52.9"N 121°32'11.9"W

[https://www.google.com/maps/place/37°37'52.9"N+121°32'11.9"W/@37.6320297,-121.5363889,15z](https://www.google.com/maps/place/37°37'52.9)

Most Visited Getting Started Google Motorcycle Cliff Notes... WDMyClo

N37° 37.881' W121° 32.199'

37°37'52.9"N 121°32'11.9"W

