

Downloading and Using MSTA FlyBy Week Routes

Download and Unzip

Note: These routes are available for MSTA members Only

1. Download the file(s) that you want from flybyweek.com
2. Take note of where you're downloading the files to on your computer.
3. Unzip (extract) ,zip files to a folder on your computer (Individual route .PDF and .GPX files don't need this step)
4. It's important to select a folder (sub-directory) in the box that opens so you'll be able to find the extracted files.
5. The files will be extracted to the folder (sub-directory) that you selected in step 3.
6. If you can't find the unzipped files go back to step 3 to look at the location in the second box to see where your unlocked files were saved.

Remember- Since these routes are for event attendees only please do not share them with others

To make sure these routes work properly with your GPS unit make sure you read the following instructions:

Set Routing Preferences in BaseCamp as Follows

Route Style: Use Auto-routing

Activity profile: Automobile Driving. (Do not use the stock Motorcycle Activity Profile- it avoids interstates and major highways and most of these routes include some of them.)

Calculation style: Faster Time

Avoid: car-pool lanes, seasonal road closures

Very Important: Make sure to UNCHECK Avoid U-turns, Avoid Ferries, Avoid Date and Time Closures . These must be unchecked to get proper calculation, particularly with Fry-CvbrdPt2 99, NailFact Pt2 Via WV 129, WV Pt1 122 and WVL Pt2 171

Steps to ensure the downloadable routes work in your Garmin GPS

Some of the routes cover the same section of road (usually in a different direction) or may cross a road that you previously navigated on. This will confuse some Garmin units, so these routes were created in two parts so no part crosses itself. Just navigate with the first part until it ends the load the second part to finish the route. For the FlyBy Week routes, the starting point has been placed on the street

All routes were prepared using Garmin BaseCamp Version 4.7.0 software with map version City Navigator North America NT 2019.1

If you're using older City Navigator North America mapsets, the routes should work **after** you recalculate them in BaseCamp.

If you have a different mapset, you should first recalculate the route then check that each waypoint is actually on the road. You may have to move some waypoints back onto the road so your

GPS will navigate with the version of maps that you have.

We've found that the best way to ensure the routes you download work properly you should follow the following procedure:

1. After downloading the routes to your computer, open each route file in BaseCamp
2. Make sure your route and tracks are different colors then recalculate the route.
3. Then compare the new (re-calculated) route to the tracks and make any necessary changes to make the route follow the track.
4. You may notice some of the waypoints are off the route a little bit. This is caused by older or newer versions of your map files. If this is the case move the waypoints back onto the route.
6. Always recalculate your routes after making changes.
7. Once everything looks OK then you are ready to upload the routes and the tracks to your GPS unit.

Set Navigation Preferences in Your GPS as Follows:

Recalculation must be turned OFF. Not just PROMPTED, but OFF. If you get off the route while riding, do not manually recalculate the route

Set navigation to Follow Road

Set Vehicle Type to Automobile (Do not use the stock Motorcycle Activity Profile- it avoids interstates and major highways and most of these routes include some of them.)

Calculation style: Faster Time

Avoidances: Again, set all avoidances OFF

Import Routes and Tracks into your GPS

OPTIONAL: Manage your waypoints. (See last section of this document for info)

1. If you have BaseCamp, use it to transfer the route and track data to your GPS. BaseCamp know where to place the files on a wide variety of units.
2. If you don't have BaseCamp, you will have to copy the route GPX file directly to the GPS, usually to a GPX folder on the device.
3. For Garmin Zumo models, the GPS unit will usually recognize the presence of new routes and import them. On the zumo 660 tracks must be selected and imported separately if you want to use them.

Note that the included tracks contain a lot of data points and there are limitations as to the number of points older GPS units will handle. The zumo 550 doesn't support track display but the 660, 590, 595, 390 and 395 work well with them.

Using Tracks With Routes on Your GPS

To use a track with its matching route, make it green in color and visible on the map. The route will load over it on the map screen, but if the route and track do not coincide on some part of the route, the bright green line will be visible. (This happens

whenever the route does not calculate the same on the GPS as it did in BaseCamp.)

If you see the green track line, ignore the magenta route line and follow the track. The route and track will converge at or before the next via point, where normal routing will resume. Visible tracks are also an excellent backup if a route fails because they are a trail of data points and don't depend on the mapset or route calculation, so they will always remain the same as the original route and can be used to ensure your route will follow the original intent.

Optional: Manage Your Waypoints

These routes have all been redone, using conventional waypoints only for beginning, end, some gas stops and lunch stops. These explicit waypoints will load into your GPS along with the routes. Deleting FlyBy Routes and tracks after the event will not delete these waypoints. To save hunting them down and manually deleting them after FlyBy Week 18, do yourself a favor and

1. Create a BaseCamp folder called Waypoints and create a list in the folder with the current date included in the name such as *180810 waypoints backup*.
2. Copy all of your existing waypoints from your GPS into the list.
3. Upload the FlyBy Week 18 routes and waypoints to your GPS. Because there are so many routes, only load the ones you are interested in into your GPS. I usually just load the ones I might want to use for the current day and clean them out in the evening when I "debrief" my GPS by saving the day's trip data, clearing the track log, trip computer etc.
4. When you return home from FlyBy Week, save your GPS's waypoints to a new file for reference in case you added any new ones you want to keep.
5. Clear all the routes and waypoints from your GPS.
6. Reload the waypoint list file you saved before going to FlyBy Week 18.