

Trip Planner- Using the Skip Button To Easily Make Routes Do What You Want zumo 590. 595, 39X, XT, Nav5, Nav6

The example Trip Planner (TP) route under discussion is a mixture of Way/Via and Shaping points. First, some Definitions.

Definitions

Way/Via points, also called Destinations

- Always appear as orange flags on the GPS route map
- Always alert on the GPS route instructions and voice prompts
- They are called Destinations because the rider is expected to pass through them and take notice, possibly stopping.
- If a Destination is missed by inaccurate placement of the point on the road or the rider missed it due to a detour or being off route, the GPS quits navigating and awaits arrival at the Destination.
- Examples: Gas stop, scenic overlook, monument, park etc.

Shaping points

- Always appear as small light blue dot symbols on the GPS route map
- Never alert in on the GPS route instructions or voice prompts
- They are called Shaping points because they force the route to use roads on which they are placed.
- If a Shaping point is missed for any reason, it is automatically skipped by the GPS, with no notification of the rider.

If a Trip Planner route is ridden entirely on course from beginning to end, the Destinations cause no problem. Unfortunately, there are problems that are often encountered.

Problems

1. **Missing the starting point of the route.** For example, the rider begins riding the physical route. When already under way, they turn on the GPS and start the route, selecting the first Destination as the starting point. Unfortunately they have already ridden past it before they started the route. The GPS stops navigating and waits for the rider to turn around and physically pass through the starting point.

1. The Fix: Hit the Skip button.

2. What happens: The Orange flag for the start turns green, marking it as passed. All the Shaping points between the first and second Destination point are preserved. Any Shaping points the rider has already passed will be ignored.
2. **The GPS uses the second Destination on the route as the default starting point.** If that Destination is, say 30 miles into the route with many Shaping points between the true start, The Shaping points between the true start Destination and the second one will be discarded and the GPS will auto-route to the second Destination. If the route only contains start and finish Destinations with nothing but Shaping points between, the whole creative route would be discarded and replaced with a fastest time route to the finish. (FlyBy Week routes are designed with a second Destination point a mile or so from the Start point to eliminate this problem!)
 1. The Fix: Stop navigation. Reload the route, being sure to select the First Destination to start from this time. Once the route is calculated and ready to go, you may find out you have already passed the start of the route. This is now the same as Problem 1, so hit Skip and you are all set.
 2. What happens: The key takeaway for this Problem is that you can always stop the route, reload it and choose the last destination BEFORE your current location so all the Shaping points between it and the next Destination are preserved. SKIP clears the destination you have passed and you are on your way.
 3. **A rest or gas stop Destination has been placed off the road to more precisely show the location.** The rider decides they don't want to stop there and rides by, not passing through the destination. Navigation ceases and the GPS expects the rider to turn around and go back. A variation on this Problem is when the Destination is placed in the middle of the road, but the rider turns into the stop at an earlier entrance and exiting at the far end of the facility, missing the Destination point. (All FlyBy Week route Destinations are placed in the middle of the road just before the Destination.)
 1. The Fix: Hit the Skip button to convert the missed Destination into a green flag.
 4. **A deviation from the route due to a missed turn, detour or intentional side trip causes a Destination point to be missed when the route is rejoined.**
 1. The Fix: Hit the Skip button to convert the missed Destination into a

green flag. Depending on the situation and placement of Destinations, you might have to hit Skip more than once.

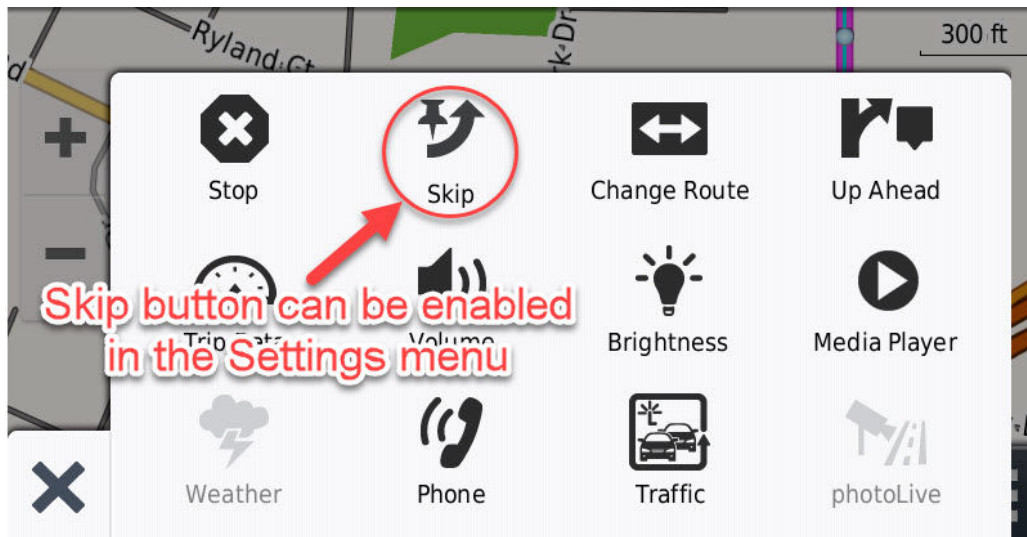
5. **Part way into a long route there is a problem with the GPS and it stops working or the route is lost.** The GPS is restarted and the route is gone. The route must be reloaded and started part way through. There is no Destination near the point where the route needs to be resumed.

1. The Fix: When the route is restarted, select the last Destination that is EARLIER in the route than your location. Then hit the Skip button. You might want to zoom out on the map for a better idea of what parts of the route are being affected.

If you are physically off-route when you select the above Destination and Start the route, the GPS will autoroute you back to the the selected Destination. Hit the Skip button and the route will recalculate and autoroute you to the first shaping point after the skipped Destination.

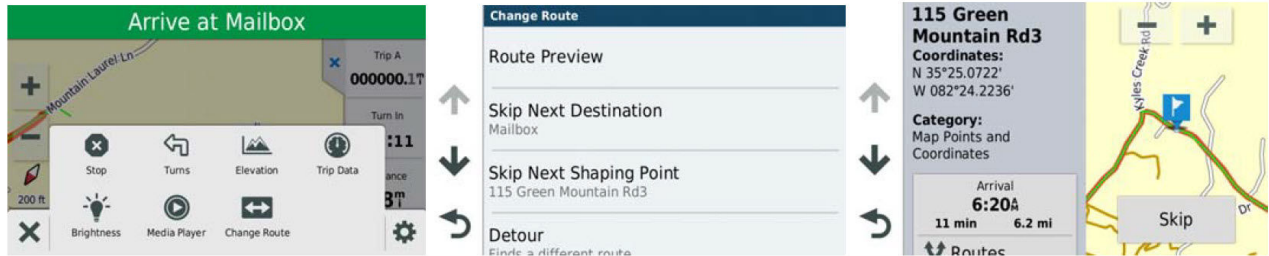
You can follow the autoroute if you wish or manually navigate a more convenient path to get back on the route. In either case, earlier shaping points will be ignored and skipped once you are back on the route.

Skip Button Implementation on Zumo Models 390 series, 590



zumo 595, Nav6, XT

Look for a spanner (wrench) in bottom right corner then select Change Route.
You can then select whether to skip Next via point or Next shaping point.



On a Zumo 590 you can put the 'skip' button on the screen so it's available with a single touch.
The 595 requires four touches to do the same thing.

If auto recalc is turned off, the magenta route stays where it is and the GPS goes quiet until you rejoin it at some point. When you do, if you have missed only shaping points, it doesn't care about those. It takes you to the next point on the route. If you have missed via points it will try to take you back to them. It will try to take you to the first missed Via Point if you have missed a few of them. Like the 590, the 595 and the XT have a skip button, but they also automatically display a prompt if you ignore the instruction to go back more than once - asking if you want to skip the missed point and it displays the name of the point - which is a big help.

The XT has a new feature. If you Stop the route and then restart it, it will ask where do you want to go to next, and lists all if the alerting Via points (but not shaping points) from which to choose - just like the 590 and 595. But the XT adds another option. Closest Entry Point. This finds the part if the magenta route which is closest to your current position, takes you to it, and navigates the route from there. You need to update the software for it to work correctly though, but this seems to work very well.