

## Re: Route algorithms: MapSource – V – 2610

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"Reg" <news@g4ens.fsnet.co.uk> wrote in message news:<co8d7r\$37c\$2@newsg3.svr.pol.co.uk>...

- > *I am having problems with the route algorithms in both MapSource*
- > *5.2/ECN 6.00 and my 2610, V-3.50; or is it the mapping data sets?*
- >
- > *I am experienced with GPSrs, as the 2610 is my third Garmin having*
- > *bought a 75 in July 1996 and connected with Psions & wintels for*
- > *moving map and waypoint etc management. I've also been in the PC*
- > *business for 25, before I retired, and have sold commercial programs*
- > *that I have designed and programmed. So I'm not a newby!*
- >
- > *This week I produced 3 routes on my laptop for a day's three legged*
- > *driving. On the first route from home to the first destination, I*
- > *entered a via, to force MapSource to take a different route to avoid a*
- > *known traffic congested road at that time of day. The main part of*
- > *the route was to the east and at the via changed to a s-w direction.*
- >
- > *On approaching the via point, I noticed that the route purple line*
- > *branched into two lines. I followed the indicated route, which I knew*
- > *quite well, without difficulty, but the other purple line was*
- > *straight.*
- >
- > *I soon realised that I would be late arriving, having found that the*
- > *indicated arrival time has been quite good.*
- >
- > *As I got closer to my destination, I saw that the straight line went*
- > *to the destination, but the arrival time was very late and I realised*
- > *that I was on time. At the destination, the route navigation*
- > *continued, probably back in a straight line to the via point. I*
- > *assumed that when I added the via point I had left it after my*
- > *destination. But on returning home and looking at the route with*
- > *MapSource, I had not made any error.*
- >
- > *Has anyone seen this before?*
- >
- > *I also noticed as I left home that the 2610 wanted me to take a few*
- > *narrow roads before joining the main road a few miles away. This*
- > *would add an extra few miles to the journey rather than using the*

- > close main road by the shortest distance and with wider roads. I have
- > seen this many times and just took my normal route, so got a
- > 'recalculating' message.
- >
- > As I proceeded along the main road the 2610 kept telling me to turn
- > left or right off the main road. Now why does this happen? (see my
- > set options below)
- >
- > The main road is shorter and faster and I have not set any road
- > 'avoids'. I have found this odd behaviour many times and has caused
- > me to lose confidence in its ability to provide good routes.
- >
- > So on the third route, getting closer to home, I decided to follow the
- > given route to see which way it took me. As I left the main trunk
- > road, I would normally travel on one main very straight road for 8.9
- > miles (using MapSource) and then turn off for another 0.5 mile to
- > home.
- >
- > I was sent on a twisting route along narrow single track roads much of
- > the time. A distance of 14.5 miles. I have the OS 1:25,000 map of
- > this area which I know very well, but I was sent along single track
- > roads that I've never used before. Fortunately I drive a Land Rover
- > 4x4. At many junctions I knew of a shorter and therefore faster way
- > home but continued to follow the indicated navigation.
- >
- > Back home I checked the routes planned in MapSource and uploaded to
- > the 2610. The strange route I was sent on by the 2610, was not the
- > same as uploaded. This had only one 'diversion' off the main road.
- > The route followed was not recalculated, so why does the 2610 change a
- > route calculated on MapSource.
- >
- > I can accept that the algorithm used by the 2610 is different to the
- > algorithm in MapSource, especially as the preferences are completely
- > different in each case.
- >
- > I have also found that I am often directed onto unsurfaced roads that
- > are sometimes not legal roads for vehicles – I have a number of years
- > of experience with British Rights of Way and their legal use by
- > vehicles and know the history of many of these local rights of way.
- >
- > I've also in the past been sent along 3 sides of a square of roads
- > rather than just using a single side of that square. Directing me
- > into a residential area rather than staying on the main road.
- >
- > I use custom, best route, major roads 10 – prefer, medium 4, minor 1–
- > avoid; on the 2610. I use faster time, car/motorcycle, avoid road
- > tolls, speeds 58,58,40,30,20 mph in MapSource.
- >
- > The algorithms or map data must have major errors. I am well aware of
- > the fact that data sets have numerous errors in the road information,
- > but this is much more than I've noticed in using computerised mapping

> *data sets for over 8 years.*

>

> *Anyone any thoughts on solving these types of problems. I am on a*

> *number of lists and too many folk are reporting similar problems.*

>

> *Reg.*

I have discovered that when you plan a route on the PC with via's and then download them to the 2610 you should have the 2610 recalculate the route before you start out. I believe that will correct your problem.

John