

Dear Garmin-Support,

I discovered a problem with the NMEA \$GPWPL sentences on the GPSmap 60CS. (Until May this year I had a GPSmap 60, and there this problem did not occur, so I assume that this must be a bug.)

In the following I describe the Configuration:

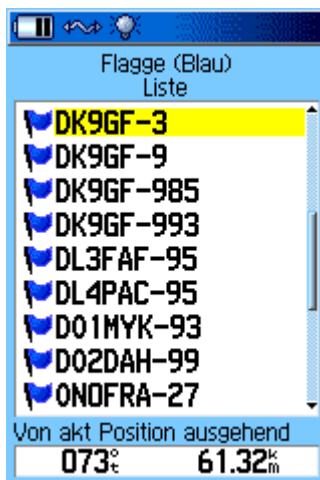
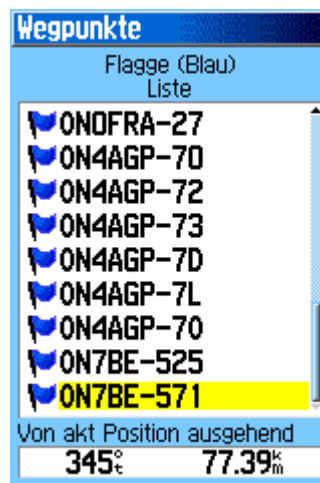
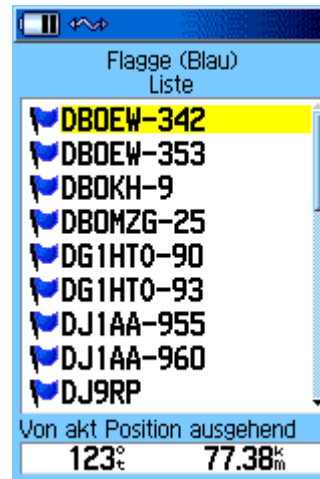
A Kenwood Radio TH-D7 receives Waypoint Data and sends it via cable to the GPS using the \$GPWPL-sentences.

The GPSmap 60CS (Firmware 4.10) should, accordingly to the manual, understand \$GPWPL.

Please find here some samples of the \$GPWPL-Input (coming from the Kenwood Radio), and what the GPSr makes out of it:

```
$GPWPL,5004.12,N,00652.85,E,DG1HTO-9*30
$GPWPL,5051.12,N,00433.20,E,ON4AGP-7*36
$GPWPL,5051.12,N,00433.20,E,ON4AGP-7*36
$GPWPL,5207.73,N,00943.55,E,DJ1AA-9*6A
$GPWPL,5016.38,N,00550.93,E,ON7BE-5*61
$GPWPL,5016.38,N,00550.93,E,ON7BE-5*61
$GPWPL,5004.12,N,00652.85,E,DG1HTO-9*30
$GPWPL,4913.37,N,00701.93,E,DB0EW-3*76
$GPWPL,4913.37,N,00701.93,E,DB0EW-3*76
$GPWPL,5051.34,N,00433.25,E,ON4AGP-7*37
$GPWPL,5051.34,N,00433.25,E,ON4AGP-7*37
$GPWPL,5051.46,N,00433.59,E,ON4AGP-7*39
$GPWPL,5051.46,N,00433.59,E,ON4AGP-7*39
$GPWPL,5051.55,N,00433.65,E,ON4AGP-7*34
$GPWPL,5051.55,N,00433.65,E,ON4AGP-7*34
$GPWPL,4940.77,N,00623.67,E,DK9GF-9*67
$GPWPL,5054.73,N,00924.99,E,DB0KH*71
$GPWPL,5205.51,N,00944.60,E,DJ1AA-9*69
$GPWPL,5022.31,N,00717.73,E,DO1MYK-9*38
$GPWPL,4940.75,N,00623.69,E,DK9GF-9*6B
$GPWPL,4940.79,N,00623.69,E,DK9GF-9*67
$GPWPL,4945.60,N,00657.21,E,DJ9RP *73
$GPWPL,4945.60,N,00657.21,E,DK9GF-3 *6F
$GPWPL,4739.26,N,00929.03,E,DL3FAF-9*29
$GPWPL,5016.38,N,00550.93,E,ON7BE-5*61
$GPWPL,5117.19,N,00423.06,E,DO2DAH-9*22
$GPWPL,5117.19,N,00423.06,E,DO2DAH-9*22
$GPWPL,4931.38,N,00557.74,E,DL4PAC-9*31
$GPWPL,4926.34,N,00634.98,E,DB0MZG-2*3C
$GPWPL,5014.97,N,00544.22,E,ON0FRA-2*3B
```

(captured with the Hyperterminal-Application of MS-Windows)



The Waypoint name is i.e. DL4PAC-9 (the SSID „-9“ means that this waypoint is a moving car, -4 means a bike, -8 a boat, -7 a bus, -2 a fixed Repeater, and so on)

\$GPWPL creates a new Waypoint, sometimes with a new number or letter behind the same name, sometimes it updates the position of an already existing waypoint. The numbers behind sometimes seem to be a following number 1, 2, 3, etc. Sometimes the number behind isn't in any relation with the NMEA-input...

From my experience with the GPSmap 60 (the green one) I expect that a new \$GPWPL-Sentences containing the same name, but different coordinates overwrites the old coordinates of the waypoint having this name. As I use it for Realtimetracking the reaction of the GPSmap 60CS is really strange for me, as pointing with the Compass on DL4PAC-9 makes no sense if new position data is saved under DL4PAC-9F.

If it would create a name i.e. LX1SB-9 1, LX1SB-9 2, LX1SB-9 3, LX1SB-9 4, LX1SB-9 5,.... , LX1SB-9 45,.... , LX1SB-9 67, I could understand this behaviour, even if it is not very useful, as it forces me to erase the waypoints every day in order not reach the limit of the waypoint memory, but this behaviour, creating waypoints like these e.g.

LX1SB-93E
or , LX1SB-960

looks like a bug for me.

The attached Waypoint-Data has been captured in 6:45 min. You can imagine how many waypoints are created within a day. This, and also the missing possibility to do realtime-tracking troubles me a bit.

Actually, this was my reason to sell my old Etrex Legend C (because of the needed NMEA feature) and to buy the GPSmap 60 [and then after selling this one too (because of B/W-Display), the CS-Version].

Could you please have a look on it and include a fix in the next Unit-Software-Update? Thank you very much for your attention,

best regards,

Sven Birster