

Format of the SkyRadar receiver message ID 101

This document describes format for the message ID 101 for the receiver firmware version 10 and above.

Offset	Size	Description	Possible Values
0	1	Message ID	101
1	1	Firmware version	21
2	1	Debug data	00
3	1	GPS fix quality	ASCII character: '0' – no fix; '1' – regular fix; '2' – DGPS (WAAS)
4	3	Total number of transmitted messages since power up. LSB first.	
7	1	GPS time in hours	
8	1	GPS time minutes	
9	2	Debug data	
11	1	Hardware version	Starting with firmware version 42, this additional byte reports revision of the hardware
12	2	GPS HDOP	Firmware version 45 and above: GPS HDOP in meters multiplied by 10, LSB first. Will have value 5000 when not available
14	2	Reserved data	Firmware version 45 and above
16	4	Receiver hardware ID	Firmware version 45 and above
20	1	Hardware status	Firmware version 45 and above: top bit (0x80) when set indicates that receiver uses external antenna instead of built-in. Currently only valid for hardware version 6