

5.5.6 Normal Mode datagram

Table 5-20: Specification of the Normal Mode datagram (full data content in datagram)

Byte#	Bit#								Specification
	7	6	5	4	3	2	1	0	
0	1	0	1	0	1	1	1	1	Normal Mode datagram identifier for Normal Mode datagram with full content. Identifier for reduced content datagrams can be found in Table 5-21
1	Gx ₂₃	Gx ₂₂	Gx ₂₁	Gx ₂₀	Gx ₁₉	Gx ₁₈	Gx ₁₇	Gx ₁₆	X-axis gyro output, ref. section 7.5.2.2.2 to 7.5.2.2.5 for conversion to units
2	Gx ₁₅	Gx ₁₄	Gx ₁₃	Gx ₁₂	G ₁₁	Gx ₁₀	Gx ₉	Gx ₈	
3	Gx ₇	Gx ₆	Gx ₅	Gx ₄	Gx ₃	Gx ₂	Gx ₁	Gx ₀	
4	Gy ₂₃	Gy ₂₂	Gy ₂₁	Gy ₂₀	Gy ₁₉	Gy ₁₈	Gy ₁₇	Gy ₁₆	
5	Gy ₁₅	Gy ₁₄	Gy ₁₃	Gy ₁₂	Gy ₁₁	Gy ₁₀	Gy ₉	Gy ₈	Y-axis gyro output, ref. section 7.5.2.2.2 to 7.5.2.2.5 for conversion to units
6	Gy ₇	Gy ₆	Gy ₅	Gy ₄	Gy ₃	Gy ₂	Gy ₁	Gy ₀	
7	Gz ₂₃	Gz ₂₂	Gz ₂₁	Gz ₂₀	Gz ₁₉	Gz ₁₈	Gz ₁₇	Gz ₁₆	
8	Gz ₁₅	Gz ₁₄	Gz ₁₃	Gz ₁₂	Gz ₁₁	Gz ₁₀	Gz ₉	Gz ₈	
9	Gz ₇	Gz ₆	Gz ₅	Gz ₄	Gz ₃	Gz ₂	Gz ₁	Gz ₀	Z-axis gyro output, ref. section 7.5.2.2.2 to 7.5.2.2.5 for conversion to units
10	Gs ₇	Gs ₆	Gs ₅	Gs ₄	Gs ₃	Gs ₂	Gs ₁	Gs ₀	
11	Ax ₂₃	Ax ₂₂	Ax ₂₁	Ax ₂₀	Ax ₁₉	Ax ₁₈	Ax ₁₇	Ax ₁₆	
12	Ax ₁₅	Ax ₁₄	Ax ₁₃	Ax ₁₂	Ax ₁₁	Ax ₁₀	Ax ₉	Ax ₈	
13	Ax ₇	Ax ₆	Ax ₅	Ax ₄	Ax ₃	Ax ₂	Ax ₁	Ax ₀	X-axis accelerometer output, ref. section 7.5.2.2.7 to 7.5.2.2.10 for conversion to units
14	Ay ₂₃	Ay ₂₂	Ay ₂₁	Ay ₂₀	Ay ₁₉	Ay ₁₈	Ay ₁₇	Ay ₁₆	
15	Ay ₁₅	Ay ₁₄	Ay ₁₃	Ay ₁₂	Ay ₁₁	Ay ₁₀	Ay ₉	Ay ₈	
16	Ay ₇	Ay ₆	Ay ₅	Ay ₄	Ay ₃	Ay ₂	Ay ₁	Ay ₀	
17	Az ₂₃	Az ₂₂	Az ₂₁	Az ₂₀	Az ₁₉	Az ₁₈	Az ₁₇	Az ₁₆	Z-axis accelerometer output, ref. section 7.5.2.2.7 to 7.5.2.2.10 for conversion to units
18	Az ₁₅	Az ₁₄	Az ₁₃	Az ₁₂	Az ₁₁	Az ₁₀	Az ₉	Az ₈	
19	Az ₇	Az ₆	Az ₅	Az ₄	Az ₃	Az ₂	Az ₁	Az ₀	
20	As ₇	As ₆	As ₅	As ₄	As ₃	As ₂	As ₁	As ₀	
21	Ix ₂₃	Ix ₂₂	Ix ₂₁	Ix ₂₀	Ix ₁₉	Ix ₁₈	Ix ₁₇	Ix ₁₆	X-axis Inclinomometer output, ref. section 7.5.2.2.11 to 7.5.2.2.14 for conversion to units
22	Ix ₁₅	Ix ₁₄	Ix ₁₃	Ix ₁₂	Ix ₁₁	Ix ₁₀	Ix ₉	Ix ₈	
23	Ix ₇	Ix ₆	Ix ₅	Ix ₄	Ix ₃	Ix ₂	Ix ₁	Ix ₀	
24	Iy ₂₃	Iy ₂₂	Iy ₂₁	Iy ₂₀	Iy ₁₉	Iy ₁₈	Iy ₁₇	Iy ₁₆	
25	Iy ₁₅	Iy ₁₄	Iy ₁₃	Iy ₁₂	Iy ₁₁	Iy ₁₀	Iy ₉	Iy ₈	Y-axis Inclinomometer output, ref. section 7.5.2.2.11 to 7.5.2.2.14 for conversion to units
26	Iy ₇	Iy ₆	Iy ₅	Iy ₄	Iy ₃	Iy ₂	Iy ₁	Iy ₀	
27	Iz ₂₃	Iz ₂₂	Iz ₂₁	Iz ₂₀	Iz ₁₉	Iz ₁₈	Iz ₁₇	Iz ₁₆	
28	Iz ₁₅	Iz ₁₄	Iz ₁₃	Iz ₁₂	Iz ₁₁	Iz ₁₀	Iz ₉	Iz ₈	
29	Iz ₇	Iz ₆	Iz ₅	Iz ₄	Iz ₃	Iz ₂	Iz ₁	Iz ₀	Z-axis Inclinomometer output, ref. section 7.5.2.2.11 to 7.5.2.2.14 for conversion to units
30	Is ₇	Is ₆	Is ₅	Is ₄	Is ₃	Is ₂	Is ₁	Is ₀	
31	GTX ₁₅	GTX ₁₄	GTX ₁₃	GTX ₁₂	GTX ₁₁	GTX ₁₀	GTX ₉	GTX ₈	
32	GTX ₇	GTX ₆	GTX ₅	GTX ₄	GTX ₃	GTX ₂	GTX ₁	GTX ₀	X-axis gyro temperature data, ref. section 7.5.2.2.15 for conversion to units
33	Gty ₁₅	Gty ₁₄	Gty ₁₃	Gty ₁₂	Gty ₁₁	Gty ₁₀	Gty ₉	Gty ₈	
34	Gty ₇	Gty ₆	Gty ₅	Gty ₄	Gty ₃	Gty ₂	Gty ₁	Gty ₀	
35	GTZ ₁₅	GTZ ₁₄	GTZ ₁₃	GTZ ₁₂	GTZ ₁₁	GTZ ₁₀	GTZ ₉	GTZ ₈	
36	GTZ ₇	GTZ ₆	GTZ ₅	GTZ ₄	GTZ ₃	GTZ ₂	GTZ ₁	GTZ ₀	Z-axis gyro temperature data, ref. section 7.5.2.2.15 for conversion to units
37	GTS ₇	GTS ₆	GTS ₅	GTS ₄	GTS ₃	GTS ₂	GTS ₁	GTS ₀	
38	Atx ₁₅	Atx ₁₄	Atx ₁₃	Atx ₁₂	Atx ₁₁	Atx ₁₀	Atx ₉	Atx ₈	
39	Atx ₇	Atx ₆	Atx ₅	Atx ₄	Atx ₃	Atx ₂	Atx ₁	Atx ₀	
40	Aty ₁₅	Aty ₁₄	Aty ₁₃	Aty ₁₂	Aty ₁₁	Aty ₁₀	Aty ₉	Aty ₈	Y-axis accelerometer temperature data, ref. section 7.5.2.2.15 for conversion to units
41	Aty ₇	Aty ₆	Aty ₅	Aty ₄	Aty ₃	Aty ₂	Aty ₁	Aty ₀	
42	Atz ₁₅	Atz ₁₄	Atz ₁₃	Atz ₁₂	Atz ₁₁	Atz ₁₀	Atz ₉	Atz ₈	
43	Atz ₇	Atz ₆	Atz ₅	Atz ₄	Atz ₃	Atz ₂	Atz ₁	Atz ₀	
44	Ats ₇	Ats ₆	Ats ₅	Ats ₄	Ats ₃	Ats ₂	Ats ₁	Ats ₀	STATUS byte for accelerometer temperature measurements, ref. Table 5-23
45	Itx ₁₅	Itx ₁₄	Itx ₁₃	Itx ₁₂	Itx ₁₁	Itx ₁₀	Itx ₉	Itx ₈	
46	Itx ₇	Itx ₆	Itx ₅	Itx ₄	Itx ₃	Itx ₂	Itx ₁	Itx ₀	
47	Ity ₁₅	Ity ₁₄	Ity ₁₃	Ity ₁₂	Ity ₁₁	Ity ₁₀	Ity ₉	Ity ₈	
48	Ity ₇	Ity ₆	Ity ₅	Ity ₄	Ity ₃	Ity ₂	Ity ₁	Ity ₀	Y-axis inclinometer temperature data, ref. section 7.5.2.2.15 for conversion to units
49	Itz ₁₅	Itz ₁₄	Itz ₁₃	Itz ₁₂	Itz ₁₁	Itz ₁₀	Itz ₉	Itz ₈	
50	Itz ₇	Itz ₆	Itz ₅	Itz ₄	Itz ₃	Itz ₂	Itz ₁	Itz ₀	
51	Its ₇	Its ₆	Its ₅	Its ₄	Its ₃	Its ₂	Its ₁	Its ₀	
52	Au ₂₃	Au ₂₂	Au ₂₁	Au ₂₀	Au ₁₉	Au ₁₈	Au ₁₇	Au ₁₆	STATUS byte for inclinometer temperature measurements, ref. Table 5-23
53	Au ₁₅	Au ₁₄	Au ₁₃	Au ₁₂	Au ₁₁	Au ₁₀	Au ₉	Au ₈	
54	Au ₇	Au ₆	Au ₅	Au ₄	Au ₃	Au ₂	Au ₁	Au ₀	
55	Aus ₇	Aus ₆	Aus ₅	Aus ₄	Aus ₃	Aus ₂	Aus ₁	Aus ₀	
56	n ₇	n ₆	n ₅	n ₄	n ₃	n ₂	n ₁	n ₀	AUX output
57	t ₁₅	t ₁₄	t ₁₃	t ₁₂	t ₁₁	t ₁₀	t ₉	t ₈	
58	t ₇	t ₆	t ₅	t ₄	t ₃	t ₂	t ₁	t ₀	
59	C ₃₁	C ₃₀	C ₂₉	C ₂₈	C ₂₇	C ₂₆	C ₂₅	C ₂₄	
60	C ₂₃	C ₂₂	C ₂₁	C ₂₀	C ₁₉	C ₁₈	C ₁₇	C ₁₆	Cyclic Redundancy Check is performed on all preceding bytes, ref: section 5.5.7
61	C ₁₅	C ₁₄	C ₁₃	C ₁₂	C ₁₁	C ₁₀	C ₉	C ₈	
62	C ₇	C ₆	C ₅	C ₄	C ₃	C ₂	C ₁	C ₀	
(63)	0	0	0	0	1	1	0	1	
(64)	0	0	0	0	1	0	1	0	<CR> If datagram termination has been selected <LF> If datagram termination has been selected

Normal Mode datagrams with reduced content can be chosen at order or configured in Service Mode. Overview of available datagrams can be found in Table 5-21 and in section 12. When choosing a Normal mode datagram with