

Jussi Virkkala 2009-12-14 New A-D, E-F, L and header. First version 2009-12-08

Open COM. Send A-D (103, 52, 26, 13 Hz), keep connection live with sending e.g. chr(13) every couple seconds. Character e/E, f/F for lights, L unknown load of data

Data	is packets of 25 bytes		int16 (not ms)		3 Accelerometers (uint16)						3 Magnetometers (uint16)			
Raw data	0	1	2	3	4	5	6	7	8	9	10	11	12	13
	FIXED	FIXED	TIME_LSB	TIME_MSB	A1_LSB	A1_MSB	A2_LSB	A2_MSB	A3_LSB	A3_MSB	R1_LSB	R1_MSB	R2_LSB	R2_MSB
0	0	65	251	215	217	11	40	237	113	25	110	253	240	2
65	0	65	71	216	244	255	80	7	235	2	110	253	240	2
251	0	65	147	216	247	255	80	7	241	2	109	253	240	2
215	0	65	222	216	244	255	80	7	238	2	110	253	242	2
217	0	65	42	217	247	255	83	7	244	2	109	253	242	2
11	0	65	118	217	250	255	80	7	247	2	110	253	242	2
40	0	65	193	217	250	255	80	7	241	2	109	253	243	2
237	0	65	13	218	247	255	80	7	229	2	109	253	241	2
113	0	65	89	218	250	255	89	7	226	2	111	253	240	2
25	0	65	164	218	250	255	86	7	229	2	110	253	242	2
110	0	65	240	218	0	0	83	7	229	2	109	253	241	2
253	0	65	60	219	253	255	83	7	226	2	110	253	242	2
240	0	65	135	219	247	255	86	7	226	2	110	253	241	2
2	0	65	211	219	244	255	89	7	229	2	110	253	242	2
168	0	65	31	220	247	255	83	7	223	2	110	253	243	2
3	0	65	106	220	247	255	83	7	226	2	110	253	242	2
34	0	65	182	220	247	255	83	7	232	2	109	253	240	2
65	0	65	2	221	241	255	80	7	220	2	109	253	242	2
192	0	65	77	221	241	255	80	7	235	2	109	253	242	2
5	0	65	153	221	250	255	80	7	241	2	109	253	242	2
83	0	65	48	222	247	255	80	7	232	2	109	253	241	2
245	0	65	200	222	247	255	83	7	235	2	109	253	242	2
114	0	65	95	223	241	255	83	7	220	2	110	253	242	2
246	0	65	246	223	238	255	86	7	226	2	109	253	242	2
50	0	65	142	224	244	255	77	7	238	2	110	253	241	2
0	0	65	37	225	244	255	83	7	238	2	110	253	242	2
65	0	65	188	225	244	255	83	7	232	2	109	253	241	2
71	0	65	83	226	244	255	80	7	223	2	109	253	242	2

216	0	65	235	226	247	255	83	7	226	2	110	253	242	2
244	0	65	130	227	253	255	89	7	232	2	110	253	242	2
255	0	65	25	228	253	255	86	7	238	2	110	253	242	2
80	0	65	177	228	244	255	80	7	229	2	110	253	241	2
7	0	65	72	229	244	255	86	7	235	2	109	253	241	2
235	0	65	223	229	0	0	86	7	232	2	109	253	241	2
2	0	65	119	230	253	255	86	7	232	2	110	253	241	2
110	0	65	14	231	244	255	83	7	232	2	109	253	242	2
253	0	65	165	231	238	255	86	7	229	2	109	253	242	2
240	0	65	61	232	250	255	83	7	235	2	109	253	241	2
2	0	65	212	232	247	255	83	7	232	2	110	253	241	2
168	0	65	107	233	247	255	77	7	238	2	110	253	242	2
3	0	65	2	234	253	255	83	7	235	2	110	253	241	2
34	0	65	154	234	250	255	80	7	235	2	110	253	241	2
65	0	65	49	235	238	255	83	7	229	2	111	253	241	2
200	0	65	200	235	244	255	86	7	220	2	110	253	240	2
251	0	65	96	236	250	255	83	7	232	2	110	253	241	2
74	0	65	247	236	253	255	86	7	232	2	109	253	241	2
7	0	65	142	237	247	255	83	7	232	2	110	253	241	2
181	0	65	38	238	244	255	83	7	229	2	110	253	242	2
1	0	65	189	238	247	255	83	7	226	2	109	253	242	2
255	0	65	84	239	253	255	83	7	223	2	110	253	242	2
0	0	65	236	239	253	255	86	7	226	2	110	253	242	2
65	0	65	131	240	250	255	89	7	226	2	110	253	241	2
147	0	65	26	241	244	255	83	7	223	2	111	253	241	2
216	0	65	177	241	247	255	83	7	223	2	110	253	241	2
247	0	65	73	242	253	255	83	7	223	2	110	253	242	2
255	0	65	224	242	253	255	83	7	229	2	110	253	241	2
80	0	65	119	243	3	0	86	7	226	2	110	253	242	2
7	0	65	15	244	250	255	83	7	226	2	110	253	241	2
241	0	65	166	244	250	255	77	7	223	2	110	253	241	2
2	0	65	61	245	241	255	80	7	226	2	110	253	241	2
109	0	65	213	245	244	255	83	7	217	2	109	253	242	2
253	0	65	108	246	244	255	86	7	229	2	110	253	242	2
240	0	65	3	247	250	255	83	7	226	2	110	253	241	2
2	0	65	155	247	247	255	89	7	226	2	111	253	241	2

0
65
42
217
247
255
83
7
244
2
109
253
242
2
169
3
34
65
254
255
28
0
12
0
175
0
65
118
217

ita?

Pressure (int16)				3 Gyros (uint16), not good data				Status repeated in 129 packets			
14	15	16	17	18	19	20	21	22	23	24	
R3_LSB	R3_MSB	P_LSB	P_MSB	M1_LSB	M1_MSB	M2_LSB	M2_MSB	M3_LSB	R3_MSB	Status	
168	3	34	65	192	5	83	245	114	246	16 minutes (not pc time)	
168	3	34	65	200	251	74	7	181	1	255 fixed	
170	3	34	65	254	255	30	0	13	0	39 age of blobo character	
170	3	34	65	254	255	28	0	12	0	90 weight	
169	3	34	65	254	255	28	0	12	0	180 height	
169	3	34	65	254	255	29	0	14	0	0 fixed	
169	3	34	65	254	255	28	0	12	0	56 blobo character features, eyes	
170	3	34	65	253	255	29	0	13	0	148 blobo character features	
169	3	36	65	253	255	28	0	13	0	49 blobo character features	
169	3	36	65	254	255	30	0	13	0	16 blobo character features	
169	3	36	65	254	255	28	0	12	0	2 blobo character features	
169	3	36	65	255	255	29	0	11	0	0 fixed	
170	3	36	65	254	255	29	0	14	0	0 fixed	
169	3	36	65	254	255	28	0	13	0	0 fixed	
170	3	36	65	253	255	30	0	11	0	0 fixed	
169	3	36	65	253	255	28	0	13	0	0 fixed	
170	3	38	65	252	255	28	0	13	0	0 fixed	
169	3	38	65	253	255	29	0	13	0	0 fixed	
168	3	38	65	1	0	30	0	13	0	0 fixed	
169	3	38	65	253	255	28	0	12	0	0 fixed	
169	3	38	65	254	255	32	0	13	0	0 fixed	
169	3	38	65	254	255	28	0	12	0	0 fixed	
170	3	38	65	254	255	29	0	13	0	0 fixed	
169	3	38	65	254	255	29	0	12	0	0 fixed	
169	3	38	65	253	255	29	0	12	0	0 fixed	
169	3	36	65	252	255	29	0	13	0	0 fixed	
167	3	36	65	254	255	28	0	13	0	134 calib lsb, unknown e.g. offset?	
169	3	36	65	253	255	29	0	13	0	2 calib msb	

169	3	36	65	254	255	29	0	12	0	1 calib lsb
168	3	39	65	253	255	29	0	13	0	2 calib msb
168	3	39	65	254	255	28	0	14	0	11 calib lsb
169	3	39	65	254	255	28	0	14	0	3 calib msb
169	3	39	65	254	255	28	0	13	0	94 calib lsb
170	3	34	65	253	255	29	0	12	0	253 calib msb
169	3	34	65	252	255	28	0	13	0	233 calib lsb
169	3	34	65	254	255	30	0	12	0	252 calib msb
169	3	34	65	254	255	28	0	13	0	210 calib lsb
169	3	38	65	253	255	29	0	14	0	253 calib msb
169	3	38	65	251	255	28	0	15	0	199 calib lsb
169	3	38	65	254	255	30	0	13	0	252 calib msb
168	3	38	65	253	255	28	0	13	0	84 calib lsb
169	3	39	65	253	255	28	0	14	0	252 calib msb
168	3	39	65	252	255	29	0	13	0	58 calib lsb
169	3	39	65	254	255	28	0	14	0	253 calib msb
168	3	39	65	254	255	29	0	13	0	50 fixed
169	3	39	65	253	255	29	0	13	0	0 fixed
169	3	39	65	252	255	28	0	15	0	255 fixed
169	3	39	65	252	255	28	0	14	0	255 fixed
169	3	39	65	253	255	29	0	12	0	255 fixed
168	3	39	65	253	255	29	0	14	0	255 fixed
169	3	39	65	253	255	29	0	12	0	0 fixed
169	3	39	65	254	255	29	0	13	0	0 fixed
168	3	39	65	254	255	29	0	13	0	20 topscore_lsb
169	3	40	65	251	255	28	0	12	0	5 topscore_msb
169	3	40	65	253	255	29	0	14	0	60 topscore_lsb
167	3	40	65	253	255	29	0	15	0	15 topscore_msb
168	3	40	65	253	255	29	0	14	0	164 topscore_lsb
168	3	38	65	254	255	29	0	12	0	6 topscore_msb
169	3	38	65	254	255	29	0	14	0	225 topscore_lsb
168	3	38	65	254	255	30	0	13	0	3 topscore_msb
169	3	38	65	255	255	28	0	15	0	3 topscore_lsb
168	3	39	65	252	255	28	0	14	0	4 topscore_msb
168	3	39	65	254	255	29	0	13	0	84 topscore_lsb
169	3	39	65	253	255	28	0	12	0	73 topscore_msb

0 steps,lsb
0 steps,msb
0 steps,lsb
0 steps,msb
45 steps,lsb
2 steps,msb
184 steps,lsb
2 steps,msb
0 steps,lsb
0 steps,msb
103 steps,lsb
0 steps,msb
0 steps,lsb
0 steps,msb
19 steps,lsb
0 steps,msb
82 which hour contain current steps
0 (always even, index from 0, minimum 68)
0 fixed
0 fixed
0 fixed
0 fixed
3 ball color (3 red, 0 white)
11 fixed
22 fixed
33 fixed
44 fixed
55 fixed
66 fixed
215 battery