

# Broadcast Design (v1.0)

	standard				standard						Interesting data															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Offset	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Value	0x02	0x01	0x06	0x16	0xFF	0x0275		0x00	0xC6	0x64	0x07	Data	Data	Data	0x09	Data	Data	Data	0x0A	Data	Data	Data	0xE6	Data	0xE7	Data
Description	AD length (length = 2)	Flags	-LE Discoverable Mode - BR/DE R Not Supported	AD length (length = 22)	Manufacturer specific Data	Geotab's Company ID		Advertising packet version number	Tx Power Level (-58dBm)	Battery Power Level (100%)	Temperature	Temperature Data - Floating Point 24 Bit			Relative Humidity	Humidity Data - Floating Point 24 Bit			Barometric Pressure	Pressure Data - Floating Point 24 Bit			Generic Byte 1 → PM2.5	PM2.5 Data	Generic Byte 2 → PM10	PM 2.5 Data

Temperature				Relative Humidity				Barometric Pressure				PM 2.5		PM 10	
<ul style="list-style-type: none"><li>Unit type: FP24</li><li>3 Byte</li><li>Unit: °C</li></ul>				<ul style="list-style-type: none"><li>Unit type: FP24</li><li>3 Byte</li><li>Unit: %</li></ul>				<ul style="list-style-type: none"><li>Unit type: FP24</li><li>3 Byte</li><li>Unit: Pa</li></ul>				<ul style="list-style-type: none"><li>Unit type: 1 Byte of data (0-255)</li><li>1 Byte</li><li>Unit: -</li><li>Limit: 25 ug/m^3</li></ul>		<ul style="list-style-type: none"><li>Unit type: 1 Byte of data (0-255)</li><li>1 Byte</li><li>Unit: -</li><li>Limit: 50 ug/m^3</li></ul>	
11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
0x07	0x00	0x20	0x41	0x09	0x00	0xc8	0x42	0x09	0xcf	0x6e	0x49	0xE6	7	0xE7	8
Identifier		Data		Identifier		Data		Identifier		Data		Identifier	Data	Identifier	Data
0x412000 (FP24) = 10 (dec)				0x42c800 (FP24) = 100 (dec)				0x496ecf (FP24) = 978170 (dec)				7=7		8=8	

Information must be converted to Floating Point 24 Bit (same as 32 bit, but 8 less significant bits dropped)

Information is broadcasted as number between 0 and 255