

1. General Description

This Document contains the log data of a read out logfile. It shows what happened with the specified vbar unit during the latest time

Version of PC Software	5.3.2b 31.12.2012
Date	Tue Mar 20 16:48:02 GMT 2018
Serial	1510000000
Prod Date	24.9.2010 13:38
Firmware	5.3
Patchlevel	4

▶	1:06	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and this is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repeatedly very often, check the heli for vibration sources.
✘	1:07	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	1:07	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	1:07	RC Input of Channel 4 out of Range	Channel 4 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	1:07	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	1:08	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
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✘	1:08	RC Input of Channel 5 out of Range	Channel 5 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	1:08	RC Input of Channel 6 out of Range	Channel 6 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	1:09	RC Input of Channel 2 out of Range	Channel 2 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
✘	1:09	RC Input of Channel 3 out of Range	Channel 3 actively received a Signal that is out of the specified Signal range of 0.8ms .. 2.2ms. These Signals are ignored, but point to a serious problem with the configuration. Make sure you never leave the valid signal range of the inputs. Invalid inputs will trigger the missing signal error as well, because there is no usable signal anymore. This has to be done in this way, because bad connections tend to create invalid signals because of glitches.
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▶	1:15	Raised Vibration Level	There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and this is the intended measurement signal, this can happen sometimes on hard 3d moves. It shall not happen all the time. If this error is reported repeatedly very often, check the heli for vibration sources.
✔	1:25	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:00	Coldstart	A Coldstart is done on the beginning of each switch on time. A Coldstart can happen only, if the VBar Units is disconnected from power for more than 5 Seconds.
⚠	0:00	Reset Reason: External	An external reset shall not happen. The respective pin is tied to fixed supply.
✔	0:00	Reset Reason: Power On	This happens if power is applied to the VBar unit. Usually this is ok, but it shall never happen in operational mode. So if a reset happens during flight, this points to a power problem. During flight the power on reset results in a warmstart. If a coldstart happens during flight, the power loss was more than 5 Seconds
▶	0:00	Bank 0 Loaded	Bank 0 was loaded from the non volatile memory. This can be triggered my manual backswitch from the userinterface as well as in flight if bank switch is programmed to the aux channel. On Startup the Bank 0 is loaded by default.
▶	0:06	Calibration Finished	At each Coldstart, the sensor and RC Values are calibrated to the actual seen values. If the calibration is finished, this message confirms the storage of data into the internal non volatile calibration memory

✔	0:16	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.
✔	0:26	Good Health Message (10sec)	This Message describes the good health state. That means, that the VBar unit does not see any error or Info Message in the last 10 Seconds.