

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

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| Version of PC Software | 5.2.5 04.04.2012 |
| Date | Tue Apr 17 14:06:08 BST 2012 |
| Serial | 1510012329 |
| Prod Date | 15.11.2011 15:21 |
| Firmware | 5.2 |
| Patchlevel | 4 |

2. Chronological List of Events

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| ✓ | 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. |
| ✓ | 0:00 | 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: 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. |
| ✗ | 0:01 | Low Voltage of 3.3V Rail | The Controller is no longer able to perform reliable IO Operations. This is not necessary the reason for a complete reset, but this is a strong hint to take a close look at the power supply. This shall not happen in flight. If you see this error, the problem has to be fixed before the next flight. |
| ⚠ | 0:01 | Init Failed, retrying... | The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors. |
| ✓ | 0:11 | 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. |
| ▶ | 0:16 | 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 |
| ⚠ | 0:26 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ⚠ | 0:27 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ⚠ | 0:28 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ⚠ | 0:29 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ⚠ | 0:30 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ⚠ | 0:31 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ⚠ | 0:32 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ⚠ | 0:33 | The Cyclic Ring is active | If the agility of a Heli is set to the possibilities of the mechanic and aerodynamic limits, this did not happen. However in 3D Flying the agility cannot set high enough to fulfill the pilots needs. So this limiter is in action dependant on the flwon actions. If it is active very often, there is a potential problem with the mechanics. Using lighter blades will help increasing the natural agility preventing hitting the cyclic ring all the time. |
| ✓ | 0:43 | 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: 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. |
| ⚠ | 0:01 | Init Failed, retrying... | The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors. |
| ✓ | 0:11 | 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. |

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| ✔ | 0:31 | 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. |
| ✔ | 0:41 | 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. |
| ✔ | 0:51 | 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. |
| ✔ | 1:01 | 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. |
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| ✔ | 1:51 | 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. |
| ✔ | 2:01 | 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. |
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| ✔ | 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: 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. |
| ▶ | 0:05 | 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 |
| ✔ | 0:15 | 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. |
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| ⚠ | 0:01 | Init Failed, retrying... | The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors. |
| ▶ | 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 |
| ▶ | 0:13 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 0:14 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |

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| ✘ | 0:21 | RC Input of Tail Channel missed | The Tail Input Signal is updated with each Frame received from the receiver. This Error is raised, if for 50ms no new signal arrives from the receiver. Depending on the hardware connection this can point to a problem with the connection to the receiver/satellite. In case of satellite receivers used, all channels will be accused at the same time. In case of single channels, this can happen separately on each channel. Closely check your wiring for broken wires or connection problems |
| ✔ | 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: 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 by 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. |
| ✔ | 0:10 | 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. |
| ✔ | 0:20 | 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. |
| ✔ | 0:30 | 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. |
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| ▶ | 0:00 | Bank 0 Loaded | Bank 0 was loaded from the non volatile memory. This can be triggered by 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. |
| ▶ | 0:05 | 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 |
| ✔ | 0:15 | 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. |
| ✔ | 0:25 | 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. |
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| ▶ | 0:05 | 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 |
| ▶ | 0:05 | Autotrim activated | The autotrim Feature has been activated. This results in a double twitch of the Swashplate. The autotrim feature stays active, until a new warm/coldstart is done. |
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| ✔ | 0:35 | 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. |
| ✔ | 0:45 | 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. |
| ✔ | 0:55 | 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. |
| ✔ | 1:05 | 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: 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 |
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| ⚠ | 0:01 | Init Failed, retrying... | The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors. |
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| ⚠ | 0:01 | Init Failed, retrying... | The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors. |
| ▶ | 0:09 | 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 |
| ✔ | 0:00 | 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: 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. |
| ▶ | 0:04 | 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 |
| ✔ | 0:14 | 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. |
| ✔ | 0:24 | 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. |

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| ✔ | 0:34 | 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. |
| ✔ | 0:44 | 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. |
| ▶ | 0:49 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:51 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ✔ | 1:01 | 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. |
| ✔ | 1:11 | 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. |
| ✔ | 1:21 | 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. |
| ✔ | 1:31 | 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. |
| ✔ | 1:41 | 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. |
| ✔ | 1:51 | 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. |
| ✔ | 2:01 | 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. |
| ✔ | 2:11 | 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. |
| ✔ | 2:21 | 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. |
| ✔ | 2:31 | 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. |
| ✔ | 2:41 | 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. |
| ✔ | 2:51 | 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. |
| ✔ | 3:01 | 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. |
| ✔ | 3:11 | 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. |
| ✔ | 3:21 | 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. |
| ✔ | 3:31 | 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. |
| ✔ | 3:41 | 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. |
| ✔ | 3:51 | 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. |
| ✔ | 4:01 | 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. |
| ✔ | 4:11 | 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. |
| ✔ | 4:21 | 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. |
| ✔ | 4:31 | 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. |
| ✔ | 4:41 | 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. |

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| ✔ | 4:51 | 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. |
| ✔ | 5:01 | 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. |
| ✔ | 5:11 | 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. |
| ✔ | 5:21 | 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. |
| ✔ | 5:31 | 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. |
| ✔ | 5:41 | 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. |
| ✔ | 5:51 | 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. |
| ✔ | 6:01 | 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. |
| ✔ | 6:11 | 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. |
| ✔ | 6:21 | 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. |
| ✔ | 6:31 | 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. |
| ✔ | 6:41 | 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. |
| ✔ | 6:51 | 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. |
| ✔ | 7:01 | 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. |
| ✔ | 7:11 | 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. |
| ▶ | 7:19 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ✔ | 7:29 | 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. |
| ✔ | 7:39 | 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. |
| ✔ | 7:49 | 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. |
| ✔ | 7:59 | 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. |
| ✔ | 8:09 | 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. |
| ✔ | 8:19 | 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. |
| ✔ | 8:29 | 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. |
| ✔ | 8:39 | 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. |
| ✔ | 8:49 | 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. |
| ✔ | 8:59 | 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. |
| ✔ | 9:09 | 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. |

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| ✔ | 12:50 | 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. |
| ✔ | 13:00 | 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. |
| ▶ | 13:02 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 13:09 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 13:12 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 13:13 | Testmode Ended | Testmode has been switched off intentionally. Normal control loop is in action now |
| ✔ | 13:23 | 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. |
| ✔ | 13:33 | 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. |
| ✔ | 13:43 | 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. |
| ✔ | 13:53 | 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. |
| ✔ | 14:03 | 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. |
| ✔ | 14:13 | 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. |
| ✔ | 14:23 | 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. |
| ✔ | 14:33 | 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. |
| ✔ | 14:43 | 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. |
| ✔ | 14:53 | 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. |
| ✔ | 15:03 | 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. |
| ✔ | 15:13 | 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. |
| ✔ | 15:23 | 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. |
| ✔ | 15:33 | 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. |
| ✔ | 15:43 | 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: 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. |
| ▶ | 0:05 | 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 |
| ✔ | 0:15 | 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. |
| ✔ | 0:25 | 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. |

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| ✔ | 0:35 | 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. |
| ✔ | 0:45 | 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. |
| ✔ | 0:55 | 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. |
| ✔ | 1:05 | 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. |
| ✔ | 1:15 | 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. |
| ✔ | 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. |
| ✔ | 1:35 | 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. |
| ✔ | 1:45 | 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. |
| ✔ | 1:55 | 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. |
| ▶ | 2:03 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 2:13 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ✔ | 2:23 | 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. |
| ✔ | 2:33 | 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. |
| ✔ | 2:43 | 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. |
| ✔ | 2:53 | 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. |
| ▶ | 3:00 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 3:00 | Testmode Ended | Testmode has been switched off intentially. Normal control loop is in action now |
| ✔ | 3:10 | 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. |
| ✔ | 3:20 | 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. |
| ✔ | 3:30 | 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. |
| ✔ | 3:40 | 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. |
| ✔ | 3:50 | 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. |
| ✔ | 4:00 | 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. |
| ✔ | 4:10 | 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. |
| ✔ | 4:20 | 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. |
| ✔ | 4:30 | 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. |
| ▶ | 4:37 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |

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| ✔ | 6:10 | 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. |
| ✔ | 6:20 | 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. |
| ✔ | 6:30 | 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. |
| ✔ | 6:40 | 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. |
| ✔ | 6:50 | 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. |
| ✔ | 7:00 | 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. |
| ✔ | 7:10 | 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. |
| ✔ | 7:20 | 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. |
| ✔ | 7:30 | 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. |
| ✔ | 7:40 | 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. |
| ✔ | 7:50 | 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. |
| ✔ | 8:00 | 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. |
| ✔ | 8:10 | 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. |
| ✔ | 8:20 | 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. |
| ✔ | 8:30 | 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: 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. |
| ▶ | 0:04 | 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 |
| ▶ | 0:12 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ⚠ | 0:12 | Supply Voltage dropped below 4.5V | The Voltage dropped below the given Threshold. This check shows even small drops in the supply voltage. The 4.5 Treshold is not yet critical, but may point to some problems in the supply |
| ▶ | 0:15 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ✔ | 0:25 | 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. |
| ▶ | 0:31 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:36 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ⚠ | 0:36 | Supply Voltage dropped below 4.5V | The Voltage dropped below the given Threshold. This check shows even small drops in the supply voltage. The 4.5 Treshold is not yet critical, but may point to some problems in the supply |

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| ▶ | 0:37 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:39 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:40 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:41 | Antenna Switched | The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ✘ | 0:41 | RC Input of Pitch Channel missed | The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:41 | RC Input of Aileron Channel missed | The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:41 | RC Input of Elevator Channel missed | The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:41 | RC Input of Tail Channel missed | The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ▶ | 0:41 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ⚠ | 0:41 | Supply Voltage dropped below 4.5V | The Voltage dropped below the given Threshold. This check shows even small drops in the supply voltage. The 4.5 Treshold is not yet critical, but may point to some problems in the supply |
| ▶ | 0:42 | Antenna Switched | The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ✘ | 0:42 | Invalid Satellite Packet Size | The Packet recived from (one of) the Sattelites has an invalid size. This can happen, if some heavy noise is on the wire between the Vbar and the Sattelite. Voltage fluctuations or static discharge also can cause this. Check wiring and cable locations. |
| ✘ | 0:42 | RC Input of Pitch Channel missed | The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:42 | RC Input of Aileron Channel missed | The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:42 | RC Input of Elevator Channel missed | The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:42 | RC Input of Tail Channel missed | The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ▶ | 0:42 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ✘ | 0:42 | Satellite Data Framing Error | The data is transmitted in packets of bytes. If the reception of bytes is distorted, this error is rised. This may be an parity error or an corrupted byte frame. This can happen, if some heavy noise is on the wire between the Vbar and the Sattelite. Voltage fluctuations or static discharge also can cause this. Check wiring and cable locations. |
| ▶ | 0:43 | Antenna Switched | The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ✘ | 0:43 | RC Input of Pitch Channel missed | The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |

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| ✘ | 0:43 | RC Input of Aileron Channel missed | The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:43 | RC Input of Elevator Channel missed | The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:43 | RC Input of Tail Channel missed | The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ▶ | 0:43 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ⚠ | 0:43 | Supply Voltage dropped below 4.5V | The Voltage dropped below the given Threshold. This check shows even small drops in the supply voltage. The 4.5 Treshold is not yet critical, but may point to some problems in the supply |
| ▶ | 0:44 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:45 | Antenna Switched | The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ✘ | 0:45 | RC Input of Pitch Channel missed | The Pitch Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:45 | RC Input of Aileron Channel missed | The Aileron Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:45 | RC Input of Elevator Channel missed | The Elevator Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ✘ | 0:45 | RC Input of Tail Channel missed | The Tail Input Signal ist updated with each Frame recived from the reciver. This Error is raised, if for 50ms no new signal arrives from the reciver. Depending on the hardware connection this can point to a problem with the connection to the reciver/sattelite. In case of sattelite recivers used, all channels will be accused at the same time. In case of single channels, this can happen seperately on each channel. Closely check your wiring for broken wires or connection problems |
| ▶ | 0:45 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ⚠ | 0:45 | Supply Voltage dropped below 4.5V | The Voltage dropped below the given Threshold. This check shows even small drops in the supply voltage. The 4.5 Treshold is not yet critical, but may point to some problems in the supply |
| ▶ | 0:46 | Antenna Switched | The Signal from one of the sattelites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 0:48 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:50 | Testmode Ended | Testmode has been switched off intentionally. Normal control loop is in action now |
| ✔ | 1:00 | 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. |
| ✔ | 1:10 | 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. |
| ✔ | 1:20 | 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. |
| ✔ | 1:30 | 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. |
| ✔ | 1:40 | 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. |
| ✔ | 1:50 | 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. |
| ✔ | 2:00 | 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. |

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| ✔ | 5:16 | 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. |
| ✔ | 5:26 | 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. |
| ✔ | 5:36 | 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. |
| ✔ | 5:46 | 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. |
| ▶ | 5:54 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 5:56 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 6:02 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 6:04 | Testmode Ended | Testmode has been switched off intentionally. Normal control loop is in action now |
| ✔ | 6:14 | 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. |
| ✔ | 6:24 | 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. |
| ✔ | 6:34 | 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. |
| ▶ | 6:39 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 6:41 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ✔ | 6:51 | 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: 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 |
| ▶ | 0:11 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:12 | Testmode Started | The testmode ist entered intentionally by the user with the command on a Controlpanel or any other control terminal. The Entering command is checksum tested, so it cannot happen accidentally. In Testmode the normal control loop algorithm is not running, so its important to leave the Testmode prior flight. Its only can happen to fly in testmode with bluetooth. |
| ▶ | 0:13 | Testmode Ended | Testmode has been switched off intentionally. Normal control loop is in action now |
| ✔ | 0:23 | 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. |
| ✔ | 0:33 | 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. |
| ✔ | 0:43 | 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: 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 |

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| ▶ | 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. |
| ▶ | 0:10 | 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 |
| ✔ | 0:20 | 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. |
| ✔ | 0:30 | 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. |
| ✔ | 0:40 | 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. |
| ✔ | 0:50 | 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. |
| ✔ | 1:00 | 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. |
| ✔ | 1:10 | 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. |
| ✔ | 1:20 | 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. |
| ✔ | 1:30 | 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. |
| ✔ | 1:40 | 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. |
| ✔ | 1:50 | 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: 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. |
| ▶ | 0:07 | 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 |
| ✔ | 0:17 | 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. |
| ✔ | 0:27 | 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. |
| ✔ | 0:37 | 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. |
| ✔ | 0:47 | 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. |
| ✔ | 0:57 | 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. |
| ✔ | 1:07 | 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. |
| ✔ | 1:17 | 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. |
| ✔ | 1:27 | 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. |
| ✔ | 1:37 | 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. |
| ✔ | 1:47 | 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. |
| ✔ | 1:57 | 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. |
| ✔ | 2:07 | 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. |

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| ✓ | 2:17 | 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. |
| ✓ | 2:27 | 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. |
| ✓ | 2:37 | 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. |
| ⚠ | 2:43 | High Vibration Level | The control loop suffers from a high vibration level, that starts to render the sensors blind. Safe flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations. |
| ✓ | 2:53 | 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. |
| ✓ | 3:03 | 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. |
| ✓ | 3:13 | 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. |
| ✓ | 3:23 | 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. |
| ✓ | 3:33 | 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. |
| ▶ | 3:41 | 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. |
| ✗ | 3:50 | Extreme Vibration Level | Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations |
| ▶ | 4:00 | 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. |
| ✓ | 4:10 | 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. |
| ✓ | 4:20 | 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. |
| ✗ | 4:29 | Extreme Vibration Level | Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations |
| ✓ | 4:39 | 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. |
| ✓ | 4:49 | 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. |
| ✓ | 4:59 | 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. |
| ✓ | 5:09 | 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. |
| ▶ | 5:17 | 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. |
| ▶ | 5:27 | 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. |
| ▶ | 5:36 | 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. |
| ▶ | 5:46 | 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. |
| ▶ | 5:51 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 5:53 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 5:55 | 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. |

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| ▶ | 6:04 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 6:05 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 6:09 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 6:15 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 6:22 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 6:24 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 6:31 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 6:33 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 6:34 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 6:34 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 6:43 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 6:46 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ✖ | 6:53 | Extreme Vibration Level | Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations |
| ▶ | 7:03 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ✖ | 7:12 | Extreme Vibration Level | Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations |
| ⚠ | 7:22 | High Vibration Level | The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations. |
| ✔ | 7:32 | 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. |
| ✔ | 7:42 | 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. |
| ▶ | 7:51 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 8:00 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 8:00 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ⚠ | 8:10 | High Vibration Level | The control loop suffers from a high vibration level, that starts to render the sensors blind. Save flying is possible, but the stability will be degraded. Additinally slow drifts that happen may be caused by vibrations. |
| ▶ | 8:18 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |
| ▶ | 8:20 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 8:29 | Raised Vibration Level | There was detected a raised level of Vibration. Since the vibration detector has to decide which signal is vibration and chis 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 repeditly very often, check the heli for vibration sources. |
| ▶ | 8:38 | Antenna Switched | The Signal from one of the satellites was missing. The Main reciver is switched over to the other connector. In Case of a single reciver connected, one frame was lost. |

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| ▶ | 8:39 | 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. |
| ▶ | 8:49 | 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. |
| ✘ | 8:58 | Extreme Vibration Level | Vibrations are extreme. That means, that the measurement signal is much lower than the signal level of the vibrations. No usable flying is possible with this level. Everything has to be checked and extended tests are needed to isolate and eliminate the source of vibrations |
| ✔ | 9:08 | 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. |
| ✔ | 9:18 | 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. |
| ✔ | 9:28 | 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. |
| ✔ | 9:38 | 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. |
| ✔ | 9:48 | 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. |
| ✔ | 9:58 | 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. |
| ✔ | 10:08 | 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. |
| ✔ | 10:18 | 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. |
| ✔ | 10:28 | 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. |
| ✔ | 10:38 | 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. |
| ✔ | 10:48 | 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: 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 by 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. |
| ▶ | 0:07 | 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 |
| ✔ | 0:17 | 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. |
| ✔ | 0:27 | 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. |
| ✔ | 0:37 | 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. |
| ✔ | 0:47 | 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. |
| ✔ | 0:57 | 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. |
| ✔ | 1:07 | 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. |
| ✔ | 1:17 | 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. |
| ✔ | 1:27 | 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. |
| ✔ | 1:37 | 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. |

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| ✔ | 1:47 | 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. |
| ✔ | 1:57 | 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. |
| ✔ | 2:07 | 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. |
| ✔ | 2:17 | 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. |
| ✔ | 2:27 | 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. |
| ✔ | 2:37 | 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. |
| ✔ | 2:47 | 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. |
| ✔ | 2:57 | 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. |
| ✔ | 3:07 | 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. |
| ✔ | 3:17 | 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. |
| ▶ | 3:21 | 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. |
| ⚠ | 3:31 | High Vibration Level | The control loop suffers from a high vibration level, that starts to render the sensors blind. Safe flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations. |
| ▶ | 3:41 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 3:41 | 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. |
| ⚠ | 3:50 | High Vibration Level | The control loop suffers from a high vibration level, that starts to render the sensors blind. Safe flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations. |
| ⚠ | 4:00 | High Vibration Level | The control loop suffers from a high vibration level, that starts to render the sensors blind. Safe flying is possible, but the stability will be degraded. Additionally slow drifts that happen may be caused by vibrations. |
| ▶ | 4:10 | 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. |
| ▶ | 4:11 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 4:19 | 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. |
| ▶ | 4:23 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 4:24 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 4:29 | 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. |
| ▶ | 4:32 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 4:38 | 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. |
| ▶ | 4:45 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 4:48 | 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. |

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| ▶ | 6:34 | 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. |
| ▶ | 6:37 | Antenna Switched | The Signal from one of the satellites was missing. The Main receiver is switched over to the other connector. In Case of a single receiver connected, one frame was lost. |
| ▶ | 6:43 | 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. |
| ▶ | 6:53 | 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. |
| ✔ | 7:03 | 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. |
| ▶ | 7:12 | 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. |
| ✔ | 7:22 | 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. |
| ✔ | 7:32 | 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. |
| ✔ | 7:42 | 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. |
| ✔ | 7:52 | 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. |
| ✔ | 8:02 | 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. |
| ✔ | 8:12 | 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. |
| ✔ | 8:22 | 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. |
| ✔ | 8:32 | 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. |
| ✔ | 8:42 | 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: 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 by 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. |
| ⚠ | 0:02 | Init Failed, retrying... | The Init process of the sensors is very sensitive to movements of the heli or from other external disturbances, i.e. Voltage jumps and glitches. This can lead to a failed initialization. In this Case it is repeated. If this repeats itself all the time, this can point to a defective sensors. |
| ▶ | 0:07 | 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 |
| ✔ | 0:17 | 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. |
| ✔ | 0:27 | 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. |