

Please check the statements below after reboot. If one or more statements are TRUE, set check mark(s) and write a comment if necessary. **No further investigation is needed.**

**Checklist for MKI systems:**



System S/N:  RMA NR:

Beep Codes	Status	Statement true?
2 short beep sounds	CMOS setting error	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
1 long and 9 short beep sounds	ROM error	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
Long beep sound continues	DRAM has not been inserted correctly or fails	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
Short beep sound continues	PSU has a problem	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>

Light Codes	Status	Statement true?
All on after reboot	No connection to CPU board	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
All flashing rapidly	PSU shorted	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>

Please check the statements below after reboot. If one or more statements are TRUE, set check mark(s) and write a comment if necessary. **No further investigation is needed.**

**Checklist for MKII systems:**



System S/N:

RMA NR:

Plug	Description	Checked wiring?
PWR. Located under the cover on the right side of the M-System.	Connector 01. Pin 1 24VDC, Pin 3 GND, Pin 5 PE	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
SVM. Located at bottom left side of the M-System.	Connector G2. Check the tightness of the M12 connector	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
Relay output	Connector 04 pin 1. Check shunt between pin 2 and pin 5	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
RPM 2. Located under the cover on the right side of the M-system *	Connector 02 Pin 1. Check shunt between pin 2 and pin 7	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
ICP input. Located at top left side of the M-System.	Connector A1-F4. Check the tightness of the M12 connectors	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
Network plug. Located under the cover on the right side of the M-System.	Connector 08. Should be connected and locked.	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>

\* Note: at least one of the RPM inputs should be in use.

**(MKII system continued)**

Please check the statements below after reboot (remove power plug, remount power plug, wait 5 minutes).

LED	Description	Statement true
PWR LED	Should be on at all times	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
HEAT LED	Off at all times (unless below 0°C)	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
RPM 0-3 LED	Flash at input, otherwise on	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
ICP input	Off: connection okay On: no connection Flashing: connection shorted	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
ST1	On for 2 minutes Off for 0-15 minutes	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
ST2	On	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
Network plug. Located under the cover on the right side of the M-System.	Green LED should always be On. Yellow/Orange LED should be on or flashing to show activity when connected to an active network.	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>

Please check the statements below after reboot. If one or more statements are TRUE, set check mark(s) and write a comment if necessary. **No further investigation is needed.**

**Checklist for Mi systems:**



System S/N:  RMA NR:

LED	Description	Statement true
Power	Should be ON at all times. Correct?	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
All	During boot, MODE, ALERT, RPM0 and RPM1 should be FLASHING. Correct? (If they do not stop flashing, check SD card has been inserted correctly and try to boot again.)	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
Mode	Should either be ON or FLASHING. Correct?	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
Alert	Should be OFF at all times. Correct? If LED is FLASHING there is a sensor problem.	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
RPM0	Should be flashing if RPM 0 input is active. Correct?	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
RPM1	Should be flashing if RPM 1 input is active. Correct?	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
N/A	Is web access OK?	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>
N/A	Using a FTDI cable, is it possible to access the system from a serial terminal? Remember baud rate on 115200.	Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/>

\* Note: at least one of the RPM inputs should be in use.

**Checklist for M-sensors:**



System S/N:  RMA NR:

**M-Sensor programming kit is necessary for checking some of the beneath items.**

Description	Statement true
<p><i>This is only relevant if the sensor is connected to an M-System.</i></p> <p>On the M-System web page go to Monitor and check the RS-485 TX/RX values. Are they increasing?</p>	<p>Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/></p>
<p><i>This is only relevant if you cannot contact the sensor connected to a computer.</i></p> <p>Have you followed the programming kit leaflet setup guide?</p> <p>For instance: Is the Uport setting set to ude RS-485 4W? Have you selected the correct COM port in device manager and the programming tool?</p>	<p>Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/></p>
<p><i>This is only relevant if you cannot contact the sensor connected to a computer.</i></p> <p>Open the DAM Service Control and go to logging. Do you see an alive signal?</p>	<p>Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/></p>
<p>Have you tried re-programming the sensor? Please note your observations.</p>	<p>Yes: <input type="checkbox"/> No: <input type="checkbox"/> Comments: <input type="text"/></p>