

LIFESYNC® Troubleshooting Matrix

<p align="center">NO or Intermittent ECG or Leads Off</p>
<p align="center"><u>PT OFF or Intermittent ON/OFF - No Lights on PT</u> Check LeadWear® blue connector is fully inserted Check battery is charged and latched Check LeadWear® blue connector is free from defects (curling, scratches, etc.) Check end cap for damage</p>
<p align="center"><u>MT OFF or Intermittent ON/OFF - No Lights on MT</u> Check MT is connected to power supply and plugged to AC power Press power button to ensure MT is "ON"</p>
<p align="center"><u>PT/MT Still Off</u> Replace PT or MT, if issue resolved, contact Biomedical Engineering or LifeSync.</p>
<p align="center"><u>Red Service Light On</u> Replace PT or MT, if issue resolved contact Biomedical Engineering or LifeSync.</p>
<p align="center"><u>PT/MT Not Communicating</u> Constant yellow communication status light on PT and MT</p>
<p align="center"><u>Check MT Communication Mode</u> Select proper TEMP/PERM mode</p>
<p align="center"><u>PT/MT Resynchronize</u> Prior to sync ensure both PT and MT are within operating range (30 feet). During sync ensure token is properly inserted into PT, fully inserted into MT.</p>
<p align="center"><u>Resynchronization Fails</u> Replace PT or MT, if issue resolved, contact Biomedical Engineering or LifeSync.</p>
<p align="center"><u>PT/MT Communicating</u> Flashing green communication status light on PT and MT</p>
<p align="center"><u>No or Intermittent ECG or Leads Off</u></p>
<p align="center"><u>Check Electrodes</u> Ensure electrodes properly placed and skin prepped If no ECG tracing check: Lead I – RA (white), LA (black) Lead II – RA (white), LL (red) Lead III – LA (black), LL (red) Lead V – V (brown) (3/5 lead mode) No Leads – RL (green) Lead V1-V6 – V1 (red), V2 (yellow), V3 (green), V4 (blue), V5, (orange), V6 (violet) Replace electrodes as necessary</p>
<p align="center"><u>Check LeadWear®</u> Ensure no damage, tears or leads off from electrodes. If no ECG tracing check: Lead I – RA (white), LA (black) Lead II – RA (white), LL (red) Lead III – LA (black), LL (red) Lead V – V (brown) (3/5 lead mode) No Leads – RL (green) Lead V1-V6 – V1 (red), V2 (yellow), V3 (green), V4 (blue), V5, (orange), V6 (violet) Replace LeadWear® as necessary</p>
<p align="center"><u>Check PT</u> Check LeadWear® connectors are fully inserted Check connectors are free from defects (curling, scratches, etc.) Check PT, end cap and housing for damage</p>
<p align="center"><u>Check MT</u> Check if any lead wires have popped off or have become damaged. Check the trunk cable for damage, disconnection from lead wires or disconnection from bedside monitor. Ensure proper 3/5 LEAD/12 LEAD ECG mode selected</p>
<p align="center"><u>Still No ECG or Leads Off</u> Verify bedside or ECG monitor is operating properly Replace PT or MT, if issue resolved, contact Biomedical Engineering or LifeSync.</p>

MT – Monitor Transceiver

LifeSync® 866-ECG-3888 (866-324-3888)

PT – Monitor Transceiver

Color code guideline (light indicators)

For further information refer to the LifeSync System User's Manual

www.LifeSyncCorp.com

CustomerService@LifeSyncCorp.com

LIFESYNC® Troubleshooting Matrix

ECG Intermittent, Artifact, Noise, Inverted Signal
<u>PT/MT Communicating</u> Flashing green communication status light on PT and MT
<u>Check Electrodes</u> Ensure electrodes properly placed and skin prepped If intermittent ECG, noise or artifact in ECG tracing check: Lead I – RA (white), LA (black) Lead II – RA (white), LL (red) Lead III – LA (black), LL (red) Lead V – V (brown) (3/5 lead mode) No Leads – RL (green) Lead V1-V6 – V1 (red), V2 (yellow), V3 (green), V4 (blue), V5, (orange), V6 (violet) Replace electrodes as necessary
<u>Check LeadWear®</u> Ensure no damage, tears or leads off from electrodes. If intermittent ECG, noise or artifact in ECG tracing check: Lead I – RA (white), LA (black) Lead II – RA (white), LL (red) Lead III – LA (black), LL (red) Lead V – V (brown) (3/5 lead mode) No Leads – RL (green) Lead V1-V6 – V1 (red), V2 (yellow), V3 (green), V4 (blue), V5, (orange), V6 (violet) Replace LeadWear® as necessary
<u>Check PT</u> Check LeadWear® connectors are fully inserted Check connectors are free from defects (curling, scratches, etc.) Check PT, end cap and housing for damage
<u>Check MT</u> Ensure token is fully inserted and green communication light flashing Ensure lead wires are not too close to AC power source Check lead wires are in the correct lead, properly placed and not damaged. Check the trunk cable for damage, and correct connection to lead wires and bedside monitor
<u>Still ECG Intermittent, Artifact, Noise, Inverted Signal</u> Verify bedside or ECG monitor is operating properly Replace PT or MT, if issue resolved, contact Biomedical Engineering or LifeSync.
No, Intermittent or Noisy Respiration
<u>PT/MT Communicating</u> Flashing green communication status light on PT and MT
<u>Check Electrodes</u> Ensure electrodes properly placed and skin prepped Check RA (white) and LA (black) Replace electrodes as necessary
<u>Check LeadWear®</u> Ensure appropriately placed, alternative placement may interfere with respiration. Check for damage, tears or leads off from electrodes. Check RA (white) and LA (black) Replace LeadWear® as necessary
<u>Check PT</u> Check LeadWear® blue connector is fully inserted Check blue connector is free from defects (curling, scratches, etc.) Check PT, end cap and housing for damage
<u>Check MT</u> Ensure lead wires are not too close to AC power source Check lead wires are in the correct lead, properly placed and not damaged. Check the trunk cable for damage, and correct connection to lead wires and bedside monitor
<u>Still No or Intermittent Respiration</u> Verify bedside monitor is operating properly and respiration function is selected Replace PT or MT, if issue resolved, contact Biomedical Engineering or LifeSync.

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