
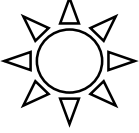

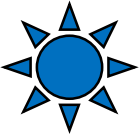

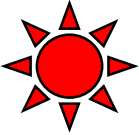
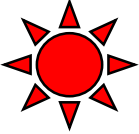
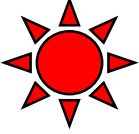
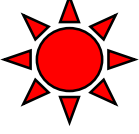


# CycleOps Hammer & Magnus LED combinations

| LED Color   |            | Blink Rate | Meaning   | How to resolve problem or other details  |
|---|------------|------------|---|--|
|    | Green      | 1Hz        | Default power-on state  | In this state nothing is paired and the trainer will simulate the power curve of our Fluid <sup>2</sup> trainer.   |
|    | White      | Solid      | ANT+ FE-C protocol controlling trainer  | This state is entered after being paired and receiving the first ANT+ FE-C command. It will not return to green until power is cycled.   |
|    | Blue       | 1Hz        | Bluetooth device connected but not controlling trainer                                  | Often an app on a device has connected to the trainer as a power meter.<br>Some apps will connect to the trainer but not issue a control command, which would also leave the trainer in this state.<br>When the device disconnects from the trainer the LED returns to blinking green. |
|    | Blue       | Solid      | Bluetooth device controlling  | A device has connected and issued a control command.<br>Will not return to blinking blue from this state.<br>When the device disconnects from the trainer the LED returns to blinking green.   |
|  | Blue/White | 1Hz        | ANT+ FE-C controlling. Bluetooth device connected (as power meter) but not controlling. | Combination of two states listed above.  |
|  | Red        | Solid      | Microprocessor is being updated   | Wait for update to finish  |
|   |            |            | Microprocessor update failed  | Retry firmware update  |
|   |            |            | Microprocessor has failed   | Contact customer service.  |
|  | Red        | 1Hz        | Radio communication error   | Contact customer service.  |
|  | Red        | 2Hz        | Radio Temperature Limit Reached   | Should not occur under most normal operating conditions. However, you can try allowing the trainer to cool off. When the temperature drops below the threshold the LED will return to normal.  |
|  | Red        | 4Hz        | Coil Temperature Limit Reached  | Should not occur under most normal operating conditions. However, you can try allowing the trainer to cool off. The trainer will need to be power cycled in order to recover.  |
| None  | N/A        | N/A        | Unplugged or sleeping   | If plugged in, start pedaling to wake trainer up.  |

1Hz = 1 blink/second

2Hz = 2 blinks/second

4Hz = 4 blinks/second

*For these blinking combinations the Hammer or Magnus trainer must have firmware v31.31 or newer*