4.11.6.22_Release_Notes

Changes in 4.11.6.22 from the previous version (4.11.6.12) are as follows:

Feature: Laser Watchdog:

The laser watchdog feature increases laser lifetime by automatically turning off lasers when the conveyor chain is not in motion and turning on lasers when the conveyor chain resumes motion. This feature is best used for situations such as lunch or coffee breaks when the system is not operational and no scanning is occurring.

This feature is configured through two parameters via the server setup tab in kClient (or directly through the server's Settings.xml file): 'Laser Activation (ticks)' and 'Laser Sleep (ms)':

Laser Sleep: The laser sleep parameter is the amount of time, in milliseconds, for the conveyor chain to be stopped before lasers are turned off. We recommend a larger value like 300000 ms (5 minutes) to prevent lasers from turning off if the chain is momentarily stopped while a board is being scanned. If the conveyor chain is stopped while a board is being scanned, and lasers turn off, the board should be rescanned. Note that the effective sleep time may be up to twice this value.

Laser Activation: The laser activation parameter is the minimum amount of conveyor chain movement to turn lasers back on, in ticks. This value is typically small (1-10 ticks) and represents the difference between a moving conveyor and jitter from a stopped conveyor. This value should be selected depending on the encoder resolution. For example, if the chain might jitter by 0.9'' when stopped, the corresponding number of ticks can be calculated from the encoder resolution. This parameter should be increased if lasers do not remain off while the conveyor chain is stopped.

If either of these parameters are set to 0, the laser watchdog feature is disabled. By default, the feature will be disabled. We encourage you to tweak the parameters for each installation site based on how it will be used and the conveyor chain speed and settings.

Fix: Incorrect master selected as primary master
In our previous build, the station would randomly pick one master as the primary master in a multi-master system for health and the dashboard display. This issue has been resolved.

Fix: Short delay time during FireSync conversion of masters
In our previous build, the wait time for the FireSync master conversion step wasn't long enough to accomodate switches that detect masters slowly or slow booting masters. This issue has been resolved.