

Hardware and Software



Using LoaderWiz

Software installation

- Download the LoaderWiz app from either the Apple AppStore or the Google PlayStore depending on your device
- Once LoaderWiz is installed on your device, you will need to register it to communicate with your LIMS server. Your LIMS administrator will provide you with the connection information and login credentials so you may create load tickets

Devices

- Use any iOS or Android based device such as an iPhone, iPad, Android or tablet

Printers

- Direct communication via Bluetooth
- Supports any Zebra mobile printers including; iMZ220, iMZ320, QLN420 and ZQ520

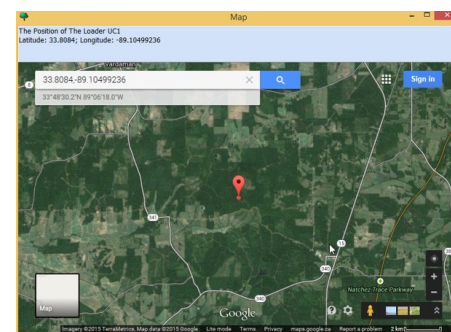


Synchronization

- http or secure communication
- Configurable host and port
- Local settings per device
 - Loader #, Load# and operator
 - Wizard or classic mode
- Device sync type and frequency
 - Manual: user manually synchronizes
 - Wifi only: synchronizes when connected to Wifi
 - Auto: after app launched or after completing a load, it synchronizes automatically
 - Auto_Every_X Hours: Synchronizes after X hours

Web Portal

- From any browser you can edit device status, access reports, review load information, and get the location from Google Maps



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3LOG
SYSTEMS INC

Bringing your valuable information to your fingertips

LoaderWiz



Managing Chain of Custody

Effectively manage the complete chain of custody using LoaderWiz and the other suite of products available from 3LOG Systems Inc.

The wood products industry is demanding that raw materials be accounted for from their origination as standing timber in the forest all the way to their final destination at the mill.

This process of managing timber is known as chain of custody and there are many types of certifications available today that require it. Some of the more prominent certifications include; ATFS—American Tree Farm System, FSC—Forest Stewardship Council, PEFC—Programme for Endorsement of Forest Certification and SFI—Sustainable Forestry Initiative.

LoaderWiz provides your organization with a convenient, cost effective means to accurately track loads of raw materials and transition from a traditional paper solution to a real-time mobile solution.

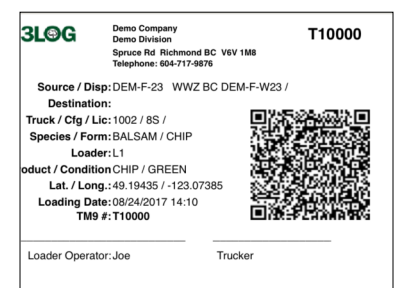
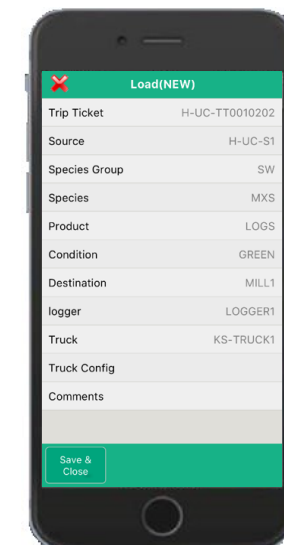
Automating Load Creation

A load can be created by scanning a predefined trip ticket. Each ticket is then associated with the GPS locations and load information is entered into a device by a loader operator.

Load information is sent automatically to the central LIMS server over a cellular network or a WiFi

connection. Load information is then sent by LIMS on the central server to WeighWiz at the receiving station and matched to the incoming load for full Chain of Custody.

As shown below, a load can be created very easily from a remote device. A trip ticket (which can be completely configured) can be generated as a hard copy—or the information can be electronically transferred to the truck driver's device as an eTicket.



Industry Proven Solution

The LoaderWiz solution is the most widely used application in the industry for managing the chain of custody of timber. There are thousands of users already throughout North America and the user base continues to grow year-over-year.

Benefits



Why LoaderWiz?

The LoaderWiz mobile application allows you to use your iOS or Android based device (such as an iPhone, iPad and Android phone or tablet) to manage loads from their origination in the forest to their final destination—wherever that may be.

LoaderWiz is essentially a penless load slip entry application designed for loaders or logging contractors to ensure truck loads are shipped and tracked properly. LoaderWiz creates load slips or trip tickets with GPS coordinates and then optionally prints the ticket with QR barcodes or it can send it electronically as an eTicket to the drivers device.

Additionally, LoaderWiz allows for two way synchronization with your corporate LIMS system allowing loaders to identify loads at the point of loading in the forest.

At the time of loading a unique trip ticket number is created along with the exact Latitude and Longitude for the load as shown below.

“We have been using LoaderWiz for several years now and absolutely love it. It not only manages the chain of custody for us but it also improves the accuracy of our loads and provides real-time access to all the information which is invaluable for managing our operations.” **Paula Brown, Weyerhaeuser Company**

There are many users of LoaderWiz and all the stakeholders can benefit in different ways as outlined below.

Service Contractors / Loaders

- Automatically generate Daily Loader log report
- Monitor loader location with status near real-time
- Timely access to load information with weights and mill data

Haulers / Truckers

- Accurate cycle times and reporting
- Simplify weighing at the scales by scanning QR barcoded trip tickets
- Less need to key information in by hand making it more accurate
- Quicker turnaround in the woods and at the mill

Mills / Landowners

- Track geo data from the source to the destination to prove chain of custody traceability for certifications
- Know what, when and where the load was transported
- Timber security—prevent opportunity for fraud by proactively managing any loads that do not reach their final destination
- Ensure proper payments from buyers and harvesting company
- Printed trip tickets are easier to read and normally the information is more accurate

Feature Highlights

Administration

- Highly configurable features allow you to quickly tailor LoaderWiz to fit your unique business needs
- Centrally create and manage loader operator accounts, their devices and printers in LIMS
- Complete configurability for the lookup of data and filtering logic governing what data gets synchronized to devices
- Configurable data entry fields and associated screen logic for the load creation form that loaders will see during the creation process
- Each loader account can be configured differently resulting in unique experiences for each loader
- Granular authentication: operator, device and admin password
- Require device verification when a new device is connected—admin must approve before device can communicate with server
- Require ticket sequence exception—when the next load is out of sequence

User Friendly Interface

- User friendly interface for the loader (shown below on the iPhone on the left) and user friendly interface for the hauler (shown below on the Android on the right)

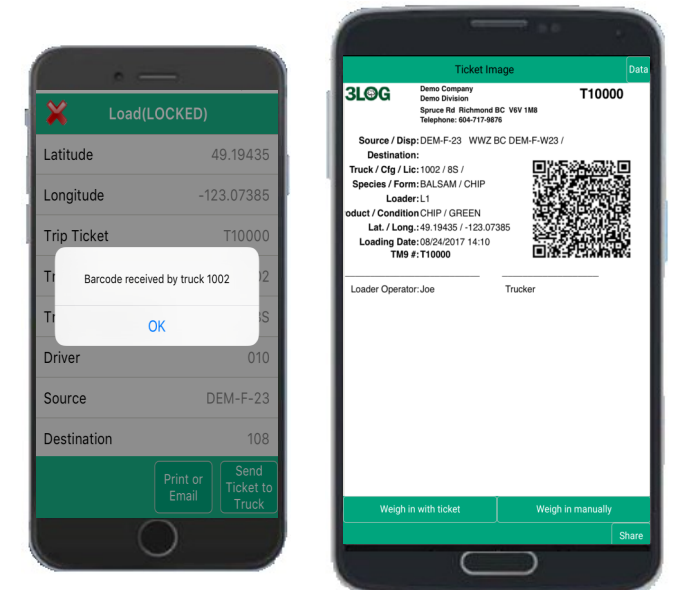


- The loader operator can either print a load slip with a scannable QR barcode and hand it to the truck driver or the trip ticket can be electronically transmitted to a driver's device that is running WeighWiz Mobile



Electronic Trip Ticket

- LoaderWiz operated by the loader operator (shown below on the iPhone on the left) captures all the load information and generates the electronic trip ticket (eTicket) with a QR barcode which is transmitted to the truck drivers device (as shown below on the Android on the right)



Receiving a Load

- When the truck driver arrives at the destination they either scan the QR barcoded load slip to initiate the weigh-in process or, if using WeighWiz Mobile, they can use their device with an eTicket so they don't even need to leave the truck
- The completed load along with weight and yard times synchronizes from WeighWiz to LIMS
- The load is validated against LIMS data for accuracy and consistency
- Loads can be exported to Excel and emailed if desired

Reporting

- Once the load is received in WeighWiz and synchronized with LIMS the data is accessible to authorized personnel
- Reports can be generated and scheduled to send automatically

Web Portal

- Logon as corporate admin to manage all accounts and devices
- Logon as an account to manage devices, loads or run reports specific to your account as authorized