

# JDLink™/Service ADVISOR™ Remote Telematics System



DCY

## OPERATOR'S MANUAL Modular Telematics Gateway and Satellite Module

OMPFP11388 ISSUE J1 (ENGLISH)

### CALIFORNIA

#### Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

### **⚠ WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.

Additional Proposition 65 Warnings can be found in this manual.

**John Deere Intelligent Solutions Group**  
(This manual replaces OMPFP10493)

LITHO IN THE U.S.A.



OMPFP11388

# Introduction

## Foreword

WELCOME to the JDLink™/Service ADVISOR™ Remote system offered by John Deere.

READ THIS MANUAL carefully to learn how to operate and service your system correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your system and should remain with the system when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction of forward travel.

RECORD PRODUCT IDENTIFICATION NUMBERS (P.I.N.). Accurately record all the numbers to help in

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Service ADVISOR is a trademark of Deere & Company*

tracing the components should they be stolen. Your dealer also needs these numbers when you order parts. File the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied.

JS56696,0000A0A -19-09JUN11-1/1

## [www.StellarSupport.com](http://www.StellarSupport.com)

*NOTE: Product functionality may not be fully represented in this document due to product changes occurring after the time of printing. Read the latest Operator's Manual and Quick Reference Guide prior to operation. To obtain a copy, see your dealer or visit [www.StellarSupport.com](http://www.StellarSupport.com)*

OUC6050,0000FB1 -19-10AUG10-1/1

## Read This Manual

**Before operating display/software, familiarize yourself with components and procedures required for safe and proper operation.**

**IMPORTANT: The following GreenStar components are not weather-proof and should only be used**

**on vehicles equipped with a cab. Improper use may void warranty.**

- GreenStar Displays

JS56696,0000A09 -19-09JUN11-1/1

## FCC Notifications to User

### FCC Notification

These devices comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) These devices may not cause harmful interference, and (2) these devices must accept any interference received, including interference that may cause undesired operation.

These devices must be operated as supplied by John Deere Ag Management Solutions. Any changes or modifications made to these devices without the express written approval of John Deere Ag Management Solutions may void the user's authority to operate these devices.

### Modular Telematics Gateway and Satellite Module

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to part 15 of the FCC Rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, no guarantee shall be made that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

JS56696,0000A08 -19-09JUN11-1/1



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*Original Instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.*

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# Safety

## Recognize Safety Information

This is a safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



T81388 —UN—07DEC88

DX,ALERT -19-29SEP98-1/1

## Understand Signal Words

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



**▲ WARNING**

**▲ CAUTION**

TS187 —19—30SEP88

DX,SIGNAL -19-03MAR93-1/1

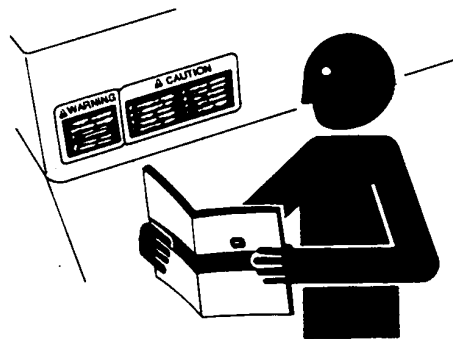
## Follow Safety Instructions

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.



TS201 —UN—23AUG88

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.

DX,READ -19-16JUN09-1/1

### Handle Electronic Components and Brackets Safely

Falling while installing or removing electronic components mounted on equipment can cause serious injury. Use a ladder or platform to easily reach each mounting location. Use sturdy and secure footholds and handholds. Do not install or remove components in wet or icy conditions.

If installing or servicing a RTK base station on a tower or other tall structure, use a certified climber.

If installing or servicing a global positioning receiver mast used on an implement, use proper lifting techniques and wear proper protective equipment. The mast is heavy and can be awkward to handle. Two people are required when mounting locations are not accessible from the ground or from a service platform.



TS249 —UN—23AUG88

DX,WW,RECEIVER -19-24AUG10-1/1

# Overview

## System Overview

### Modular Telematics Gateway Theory of Operation

The JDLINK™ equipment management solution is a telematics system designed to remotely connect owners and managers to their equipment, providing real time alerts and machine information including location, utilization, performance, and maintenance data to make real time decisions.

With JDLINK / ZXLINK, each piece of equipment transmits information via cellular connection from the machine through a wireless gateway (Modular Telematics Gateway or MTG) to the JDLINK / ZXLINK server.

The data collected is made available to registered users via a password-secured JDLINK / ZXLINK Web site, through E-mail, or using SMS text messaging. Machine owners can then access valuable equipment information quickly and efficiently to optimize machine operations.

On the JDLINK / ZXLINK website the user can view the current and historical status of equipment. Information collected by JDLINK / ZXLINK includes location, machine hours, idle time, maintenance intervals, and a variety of other machine settings. Additionally, a user can check the real time status of a machine from his or her computer by sending a request to the controller. This request is sent to the JDLINK / ZXLINK server through the internet and to the MTG on the machine. Once the data is generated from the controller, it is then sent back through the server and ultimately to the user's computer, where the machine can be monitored remotely.

### Satellite Module Theory of Operation

JDLINK also offers an optional satellite communications hardware module that is ordered separately from the MTG.

The JDLINK Satellite Module allows wireless data transfer in remote areas where cellular signal is not available or unreliable. It is connected to the MTG via a wiring harness with associated bracket hardware and satellite specific antenna. It acts as a conduit for the MTG to send machine data to the JDLINK server.

As long as the MTG has cellular coverage, the Satellite Module is NOT used. If the MTG cannot call because of weak or no cellular signal, messages are escalated to the Satellite Module. Messages transferred with satellite signal have the same behavior as those from cellular signal. The call in is just marked with a satellite icon on

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the JDLINK website. For more details see Satellite Module Additional Information section later in this Operator's Manual.

A dual subscription, both satellite and cellular, is required for Satellite Module to work. A satellite only subscription is not available.

Service Advisor Remote is not available when the Satellite Module is in use.

### Components

This system is comprised of the following hardware components:

- MTG Controller
  - SIM Plug
- Wiring Harness
- Cellular Antenna (two options depending on the vehicle)
  - High Performance Antenna
  - Low Profile Antenna
- Satellite Module (optional) (US & Canada Only)
- Satellite Antenna (optional) (US & Canada Only)

### Cell Coverage

JDLINK / ZXLINK relies on cell phone signal to send information. Poor cell phone signal will delay information transmission until adequate signal is acquired. For information on cell coverage, please visit <http://www.wireless.att.com/coverageviewer/US-premium.jsp>

### Data Collection

The JDLINK / ZXLINK product enables John Deere and John Deere dealers to access any data generated by the use of, collected by, or stored in the JDLINK / ZXLINK product or any device interfacing with the JDLINK / ZXLINK product ("Machine Data"). Purchase of the JDLINK / ZXLINK product, either separately or as part of a machine, signifies the purchaser's agreement that John Deere and John Deere dealers may collect, use and disclose the Machine Data as outlined in John Deere's Machine Data Policy ([www.JohnDeere.com/MachineDataPolicy](http://www.JohnDeere.com/MachineDataPolicy)). Purchasers may remove dealers' or John Deere's access to Machine Data via the Deere telematics website ([www.JDLINK.com](http://www.JDLINK.com)). However, removal of John Deere's access to Machine Data will prevent the purchaser from viewing Machine Data and from using the Service ADVISOR Remote service. Machine Data may be transferred out of the country where it is generated, including to the U.S.A.

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## Glossary of Terms

**Modular Telematics Gateway (MTG)** — The primary controller of the JDLINK / ZXLINK system. Manages data collection and cellular communication.

**SIM Plug** — Contains unique identification for cellular access and communication

**Low Profile Antenna** — Antenna for the MTG that allows it to send and receive data.

**High Performance Antenna** — Antenna for the MTG that allows it to send and receive data. Provides longer range and greater performance than the Low Profile Antenna.

**Satellite Module** — Satellite communications controller for use in areas with limited cellular signal.

**Satellite Antenna** — Antenna for Satellite Module that allows it to send and receive data.

**Cellular Signal/Coverage** — The strength of cellular communication in an area and the networks ability to send information reliably.

**Terminal** — A MTG that has been installed and recognized on the JDLINK / ZXLINK network.

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## Levels of Service

There are two different levels of service for JDLink / ZXLink: JDLink / ZXLink Select and JDLink / ZXLink Ultimate.

### JDLink / ZXLink Select

JDLink / ZXLink Select is an all-makes, all-models telematics solution compatible with any 12- or 24-V power source. JDLink / ZXLink Select is a basic package and is capable of managing the following information:

- Road Map/Satellite Map Location/Driving Directions
- Machine hours
- Geofence and curfew alerts
- Maintenance Management
- Utilization Profile
- Export/Scheduled E-mail report
- Enables Service ADVISOR™ Remote

*NOTE: Requires JDLink / ZXLink Ultimate capable vehicle*

JDLink / ZXLink Select allows a manager to track the machine hours and machine location through one simple location. Machine hours allow users to determine when tractors and vehicles are on or off. Users can select the dates they want to view when looking at machine hours. JDLink / ZXLink also offers the ability to view machine location using the Google Maps™ mapping service. The user receives updated vehicle location information in minutes by simply pressing a ping button.

The maintenance profile allows users to view when their machines are approaching, due, or overdue for maintenance. Users may elect to allow third-party access to their local John Deere dealer, so maintenance can be scheduled right away.

Because it is not practical to drive a machine away from the field every night, JDLink / ZXLink Select offers geofence and curfew alerts. The geofence feature allows the user to set up a defined area. An alert can be set up to notify the owner if a machine enters or exits that specific geofence. The curfew-alerts feature allows users to set up a curfew alert for each machine. For example, if users only want a machine to operate from 9 a.m. to 5 p.m. and that machine is started at 6:05 p.m., JDLink / ZXLink sends the owner an alert to let them know the machine has been started. These alerts can be sent through e-mail or SMS text message, per the operator's preference.

### JDLink / ZXLink Ultimate

JDLink / ZXLink Ultimate is an advanced fleet management solution offering the user a wider range of management tools to benefit their operation. JDLink / ZXLink Ultimate contains all of the features of JDLink / ZXLink Select. Much like JDLink / ZXLink Select, all information can be accessed on any Internet-connected computer. Information from the machine's CAN bus system is then accessed to provide these additional tools:

- Machine states

- Advanced machine utilization
- Fuel Utilization
- Export/Scheduled E-mail report
- Remote diagnostics via diagnostic trouble codes
- System usage information (percent of AutoTrac™ utilization)
- Machine comparison

With JDLink / ZXLink Ultimate, users can view the machine's utilization and readings, view machine settings, and generate customized reports right from their computer through the JDLink / ZXLink Web site. Managers can easily see the productivity for all of their machines.

Machine reports allow the user to set up an alerts report, on a time period set by the user. The user can choose whether they want to see the report daily, weekly, monthly, or yearly. An example of machine utilization information would be a table with the amount of fuel consumed of each machine. Other examples would be average fuel rate, average ground speed, average engine speed, and average coolant temp.

JDLink / ZXLink Ultimate also allows users to be alerted when one of their machines issues a diagnostic trouble code. The code can be viewed through the Web site, so a manager can contact the dealership, letting them know exactly which code has been thrown on the machine. Users can give a dealership access to their JDLink / ZXLink account to view the maintenance profile of their machines. Also, users can set up their JDLink / ZXLink account to send alerts to a dealership through E-mail or SMS text.

### Vehicle Compatibility

While JDLink / ZXLink Select is compatible with any vehicle that has a 12V or 24V power source, JDLink / ZXLink Ultimate is limited to certain machine models. For a complete list, please contact your John Deere Dealer or visit [www.StellarSupport.com](http://www.StellarSupport.com)

### Satellite Module

When the Satellite Module is in use, the full features provided with JDLink Select are utilized. However, not all JDLink Ultimate features are utilized. On the next cellular call, the remaining Ultimate data not sent by Satellite will be updated with the MTG.

There are currently nine data items that are common across the Enterprise for Satellite Ultimate. Receiving these data items at the website is confirmation that the Satellite Module is calling in and the MTG has a satellite configuration.

- Fuel Tank Level
- Fuel Utilization
- Last Engine Hourmeter
- Machine Utilization
- Max Coolant Temp
- Max Hydraulic Oil Temp
- Max Transmission Oil Temp
- Number.Aborted.Regen

Continued on next page

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- Number.Complete.Regen

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AutoTrac is a trademark of Deere & Company*

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## Getting Started

### JDLINK / ZXLINK Setup

Setup for the MTG can only be done through the JDLINK / ZXLINK website or by the dealer via Service ADVISOR.

*NOTE: MTG is not compatible with the vehicle display or the AMS display for setup.*

### Required Information

Every terminal will be transferred from a dealership account to a customer account. The following information will be needed for the transfer to be processed.

- Organization Information  
This is the account that manages all the terminals and users for a business or group.

- Customer User Name  
This profile will need to be the main user for the account so they can be setup as an administrator. This is also the same user name that the customer uses to access [www.stellarsupport.com](http://www.stellarsupport.com). If the customer does not have a Stellar Support profile, the dealership will need contact information to create the profile.

### New Transferred Terminal

Once the dealer has transferred the terminal to the customer's organization, the customer will then log in to the JDLINK / ZXLINK website using their user name and password. Once transferred, the user can change the terminal setup information and settings.

When the terminal is configured to the user's preferences, it is ready to go.

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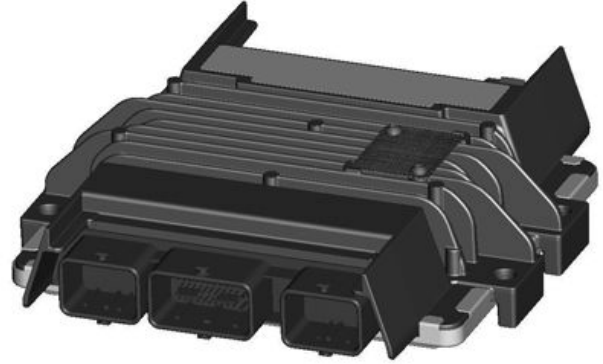
# Components

## Required Components

The Modular Telematics Gateway (MTG) system is composed of several onboard components. The first is the MTG controller.

### Modular Telematics Gateway Controller

This controller contains the main processor, cellular modem, GPS chipset, and communications ports for the system.



Modular Telematics Gateway Controller

PC10657WY —UN—10JUN10

JS56696.0000A0F -19-09JUN11-1/3

## SIM Plug

The MTG also incorporates a removable SIM plug which contains a sled for the GSM cellular Subscriber Identity Module (SIM). The SIM plug is a plastic component that contains cellular network identification information that the cellular modem uses for, among other things, connecting to the network. The SIM plug is fastened to the MTG using two small M4 TORX® screws.

If there is an occasion where this needs to be removed and replaced, it should be ensured that the plug is fully seated into the MTG before the screws are installed to retain the plug. Hold the plug, fully inserted, for several seconds before installing screws. This will allow the seal to relax. The screws should not be used to draw the plug in tight.



SIM Plug

PC12639 —UN—10JUN10

TORX is a trademark of Camcar/Textron

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### GSM Cellular/GPS Antenna

The second component is a GSM cellular/GPS antenna. There are three possible choices in GSM/GPS antennas. The first is the High Performance antenna which has the highest gain and will provide the longest range and performance. The second and third are the Low Profile antennas of which there are two versions, one for North American frequencies (black) and one for European frequencies (gray).

Each antenna has two separate coaxial cables that run to it, one for GSM cellular and one for GPS, within a single housing for ease of mounting. The connectors on the antenna are polarity matched to the MTG to minimize the possibility of incorrect assembly.

*NOTE: It is advised to use the High Performance whenever possible as it will give the best field performance.*

*NOTE: GPS accuracy will be degraded if there is not a clear view of the sky. GPS signal might not be received inside a building.*



High Performance Cellular/GPS Antenna

PC12641 —UN—11JUN10



Low Profile Cellular/GPS Antenna

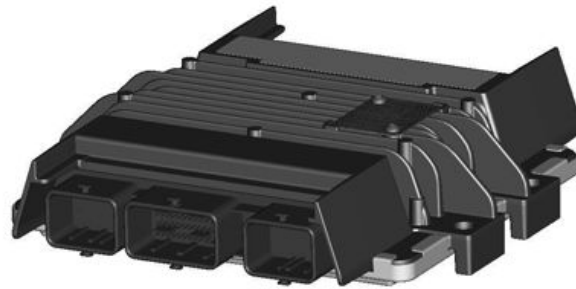
PC12693 —UN—19JUL10

JS56696,0000A0F -19-09JUN11-3/3

### Optional Components

#### Satellite Module (US & Canada only)

The next major optional component of the remote telematics system is an optional satellite module. This device is intended to be a slave to the MTG, and will not function properly as a standalone. In locations with poor cell coverage, the satellite module can be used to communicate instead of the MTG.



Satellite Module

PC12694 —UN—19JUL10

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**Satellite Antenna (US & Canada only)**

The last component is a satellite antenna, which sends and receives messages from the satellite module.



Satellite Antenna

PC12642 — UN — 11JUN10

JS56696,0000A10 -19-09JUN11-2/2

# Connectors

## Molex CMC Main Connector

- Molex™ CMC Mating: The mating plug for the MTG and Satellite module Molex CMC connector is shown. It requires very little insertion force because it utilizes a rotating cinch action to pull it into the mated position and lock it into place.

*NOTE: The MTG and Satellite module use the same Molex connector and header. The pin outs have been arranged such that if the wrong connector is attached to one of the modules, the unit will not be damaged.*



Molex CMC Plug

PC12643 —UN—11JUN10

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## Antenna Connections

- MTG: The MTG utilizes coaxial TNC connectors for both the GPS and cellular. In order to prevent incorrect connections, the connectors have opposite genders. The GPS connector is a male TNC and the cellular is a female TNC. The mating connector for the cellular and GPS header is integrated into the antenna cable itself.



MTG Header

PC12695 —UN—19JUL10

CZ76372,0000018 -19-02AUG10-1/2

- Satellite Module: The Satellite Module utilizes a single coaxial TNC connector for the antenna. The connector is a female TNC. The mating connector is integrated into the antenna cable itself. There are two LED indicators on the endcap for the satellite module. In this photo the power indicator is on the left and the network available indicator on the right. The power indicator LED (Green) will glow whenever the module is commanded on by the MTG, and the network indicator LED will glow (Red) when the satellite modem can "see" the satellite network.



Satellite Module Header

PC12696 —UN—19JUL10

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# JDLink Website

## Website Log In

### Log in

Once entering the JDLink website, the user will be prompted for a user name and password. Those users that only have access to one organization will be taken directly to their account. If a user has access to multiple organizations, the user will be prompted to select an organization from a drop down list. The organizations in

the user's drop down list are all the organizations the user has been given access to. Select an organization to view the information for that account.

### Viewing multiple companies with one user ID

The user will need to log out and log back in using their same user ID and password, then select a different organization. This will need to be done each time the user wishes to view a different organization.

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## Website Navigation

PC12706 —UN—27JUL10

### Website Icons

**Pencil icon** — Edit button, takes user to editable functions

**On/Off icon** — Turns features On or Off

**Trash Can** — Delete button

**Viewing Pane** — A separate area in a split window.

**Magnify Glass** — Centers the vehicle in the map viewing pane.

**Machine Key** — It is located on the lower left hand side of the Dashboard page. A green circle next to the machine name indicates the machine has JDLink Select active. A yellow circle next to the machine



name indicates the machine has JDLink Ultimate active. A blank/black circle next to the machine name indicates the machine is inactive.

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**Dashboard**

The screenshot shows the JDLink Dashboard interface. At the top, it displays 'JDLink™' and 'JOHN DEERE'. Navigation tabs include 'DASHBOARD' and 'ADMIN/SETTINGS'. The user is identified as 'CHRIS FORD Region Marketing Account (R4) - Act.# 2'. There are links for 'Website Feedback', 'Help', and 'Log Out'. The main section is titled 'MACHINES 2' and includes filters for 'TIME' (By Date, By Hours, Rolling 7) and 'By Group' (All Machines, 8R MY11 LPB Service Train..., 8R MY11 Production, AU John Deere Training Ce..., CEP TRACTOR, College Programs, Columbus Training Center, Dallas Training Center, Davenport Training Center, Div 8 Machines, EA DIV 1, EA DIV 2, EA DIV 3). A sidebar on the left lists various training centers and equipment types (Express, Select, Ultimate). The main content area is divided into several sections: 'MAP' showing a Google Map of the Hanford area; 'ALERTS' with a table of unacknowledged alerts; 'MISSED CALLS' with a line graph showing the number of missed calls over 100 days; and 'ENGINE HOURS' with a table showing hours for two machines and a total.

Type	Machine	Name	Date	Acknowledged...
OTH...	RW8235R041051		04/05/2011 12:31 pm	Acknowledge...
OTH...	RW8235R041051		04/06/2011 5:11 pm	Acknowledge...
YEL...	RW8235R041051		04/06/2011 11:57 am	Acknowledge...
OTH...	RW8235R041051		04/06/2011 11:47 am	Acknowledge...
YEL...	RW8235R041051		04/11/2011 3:47 pm	Acknowledge...

Machine	Time Filter Hours	Engine Hours
RW8310R905302	39.37	62.03
RW8235R041051	14.2	50.23
Total	53.57	112.26

Dashboard Tab

The JDLink website's Dashboard tab displays the information pertaining to the machines in user's vehicle fleet. Machines can be shown by groups, individually or all at the same time. Machine information can also be sorted by a date and time range or by an engine hour range.

All machines will display information on the JDLink Select page. If a machine has been upgraded to Ultimate, additional information will be available on the JDLink Ultimate page.

Machine reports are available to the user in several formats. Vehicle information can be printed, exported in .CSV format, or exported to a .PDF.

Landmarks can also be added to remember important locations. These landmarks can be added, removed, or edited by expanding the landmarks button in the lower left hand corner of the page.

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**Filter Information**

Go to the Dashboard tab. In the upper left hand corner of the Dashboard tab there is a Filter for Time. If Date is selected, the dashboard will display all the machines data for the time period selected. If Hours is selected, the dashboard will display all data for machines within that engine hours selected. Once the filter is changed click on the Update Data to enable the filter. If Update Data is grayed out, make a reasonable change to engine hours or date range. Update Data will then be available again.

PC12646 —UN—21JUN10

The screenshot shows the 'Engine Hours Filter' interface. It includes a 'TIME' dropdown menu with options 'By Date', 'By Hours', and 'ENGINE HOURS FROM 0 TO 50'. Below this, a message states 'Selected time range and/or machine(s) has changed.' and an 'Update Data' button is visible.

Engine Hours Filter

JS56696,0000A14 -19-09JUN11-1/1

## Alerts

### Acknowledge Alert

Go to the Dashboard tab. In the Alerts Viewing Pane select Unacknowledged Alerts. Click on the alert to get the alert details. To acknowledge the alert, click on the Acknowledge button in the Acknowledge column. This will stop E-mail and text message alert notifications from being sent and move the alert to the All Alerts list. The alert will no longer show under the Unacknowledged Alerts list unless the alert happens again.

The screenshot shows the 'ALERTS' section with a sub-tab for 'Unacknowledged Alerts'. It displays a table with the following data:

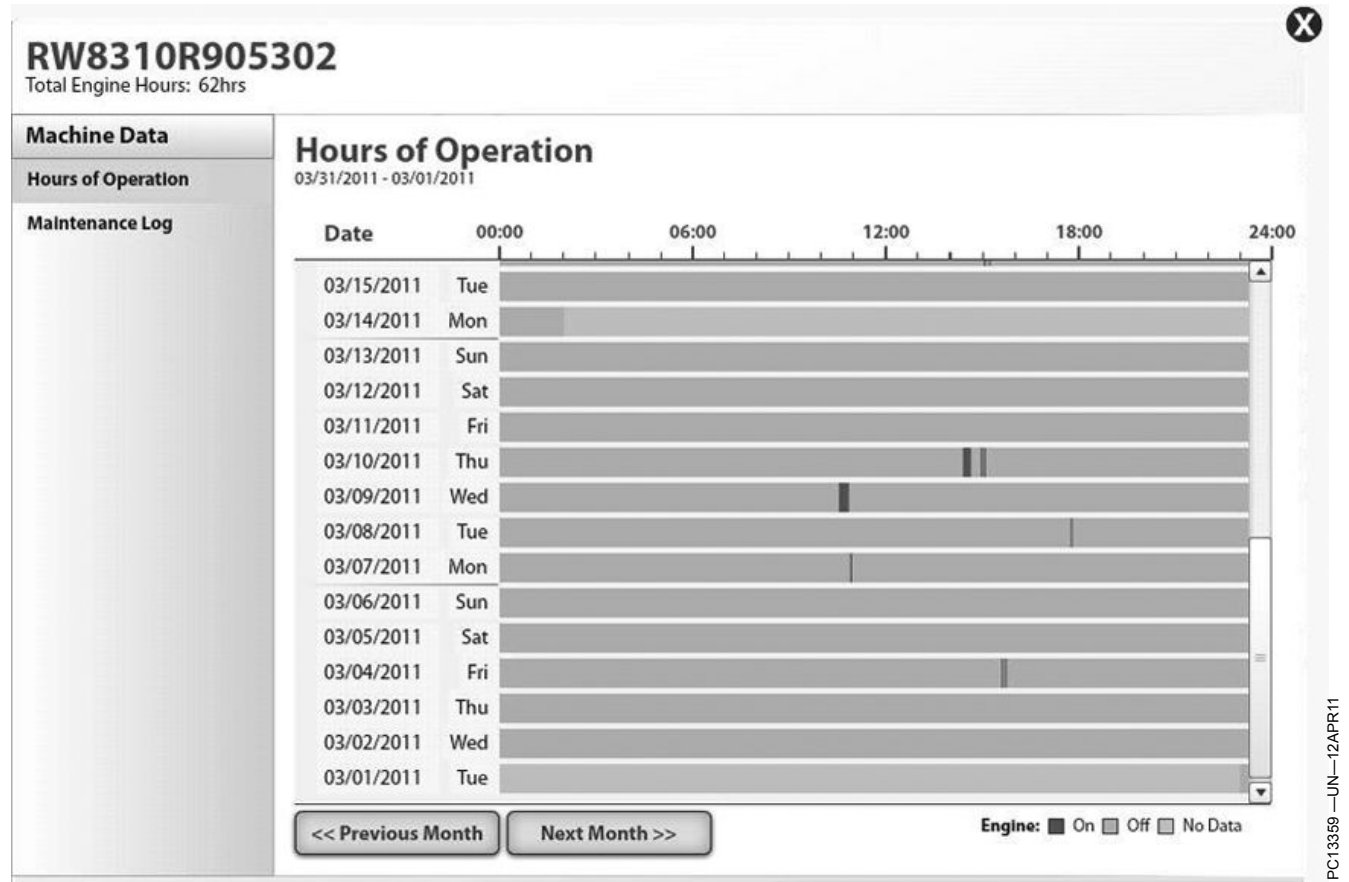
Type	Machine	Description	Date	Acknowledge
	8345R Tillage	Machine Alert	8/07/10	<a href="#">Acknowledge</a>
	8345R Tillage	Event Alert	8/07/10	<a href="#">Acknowledge</a>
	8345R Tillage	Event Alert	8/07/10	<a href="#">Acknowledge</a>
	8345R Tillage	Event Alert	8/06/10	<a href="#">Acknowledge</a>
	8345R Tillage	Event Alert	8/06/10	<a href="#">Acknowledge</a>
	8345R Tillage	Maintenance AL...	8/05/10	<a href="#">Acknowledge</a>
	8345R Tillage	Event Alert	8/05/10	<a href="#">Acknowledge</a>
	8345R Tillage	Maintenance AL...	8/04/10	<a href="#">Acknowledge</a>

Alert Viewing Pane

JS56696.0000A15 -19-09JUN11-1/1

PC12647 -UN-14JUL10

**Machine Data**  
View Hours



Hours of Operation

Go to the Dashboard tab. On the left hand side of the screen select the desired machine by expanding the groups. Click on the group name to expand the group, then click on the magnifying glass icon next to the machine name. The location map will zoom in on that machine. Click on the machine marker on the location

map. A popup will appear, select Machine Details. This will bring up the hours of operation for the machine. The hours will show up in one month increments. Other months can be viewed by clicking on the Previous Month and Next Month buttons. To exit this window, click on the "x" in the upper right hand corner of the popup screen.

Continued on next page

JS56696,0000A16 -19-09JUN11-1/2

## Maintenance Log

### RW8360R041005

Total Engine Hours: 27hrs

X

**Machine Data**

Hours of Operation

Maintenance Log

## Maintenance Log

[Setup Maintenance Plan](#)

+Add Entry
Print Entries
Export Entries to PDF

04/08/2011 11:28 AM	
<p><b>04/08/2011 11:28 AM</b></p> <p><b>Performed by:</b> CHRIS FORD</p> <p><b>Performed at Hours:</b> 23 hrs</p> <p><b>Maintenance Interval Performed:</b> 0</p> <p><b>Adjust Next Interval:</b> No</p> <p><b>Service Type:</b> No Service Done</p> <p><b>Notes:</b> This is just a test entry no service was done.</p>	

PC13360 —UN—12APR11

Maintenance Log

On the Machine Data page there is a maintenance log. This allows a user to enter in information for the services done to a machine.

link will take the user to the John Deere maintenance calculator web site.

Setup Maintenance Plan allows use to create a maintenance plan for the machine selected. Clicking the

JS56696.0000A16 -19-09JUN11-2/2

## Machine Location

### Location Summary

Go to the Dashboard tab. On the left hand side of the screen select the desired machine by expanding the groups. Click on the group name to expand the group, then click on the magnifying glass icon next to the machine name. The location map will zoom in on that machine. Move the computer cursor over the map viewing pane. Above the viewing pane on the right side there are two options, Map View and Location Summary. Select Location Summary. This will display the last time the unit called in and its location.

Machine	Call In Time	Location
8345R Tillage	8/7/10 11:16PM	LAT: 42.45 LONG: -92
8345R Planter	8/7/10 11:22PM	LAT: 41.48 LONG: -92.58
SPFH Arizona	8/7/10 1:41PM	LAT: 41.5 LONG: -92.1

Machine Location Summary

PC12649 —UN—14JUL10

Continued on next page

JS56696.0000A17 -19-09JUN11-1/3

### Location History

Go to the Dashboard tab. On the left hand side of the screen select the desired machine by expanding the groups. Click on the group name to expand the group, then click on the magnifying glass icon next to the machine name. The location map will zoom in on that machine. Move the computer cursor over the map viewing pane, above the viewing pane on the right side there are two options Map View and Location Summary. Select Location Summary. This will display last time the unit called in and its location. Click on the machine and the location history will appear.

Machine	Call In Time	Location
8345R Tillage	8/7/10 11:16PM	LAT: 42.45 LONG: -92
	8/7/10 10:15PM	LAT: 42.45 LONG: -92
	8/7/10 9:15PM	LAT: 42.45 LONG: -92
	8/7/10 8:15PM	LAT: 42.45 LONG: -92
	8/7/10 7:15PM	LAT: 42.65 LONG: -92.05
	8/7/10 6:15PM	LAT: 42.85 LONG: -92.25
	8/7/10 5:15PM	LAT: 42.55 LONG: -92.15

Machine Location History

JS56696,0000A17 -19-09JUN11-2/3

PC12650 -UN-14JUL10

### Get Directions

The screenshot shows a map of the central United States with various cities and highways labeled. In the bottom left corner, there is a 'Directions' panel with two input fields labeled 'From' (A) and 'To' (B). Each field has sub-fields for 'ADDRESS', 'CITY', and 'STATE'. A 'Get Directions' button is located to the right of the input fields. In the top right corner of the map area, there are tabs for 'Map', 'Satellite', 'Hybrid', and 'Terrain', with 'Map' currently selected.

Map Directions

Go to the map viewing pane. Choose "Map view" in the upper right corner. In the lower left hand corner select the directions button. The map will expand, allowing the user to select an A point and B point. The A and B points can be toggled between Lat/Lon and address by clicking the

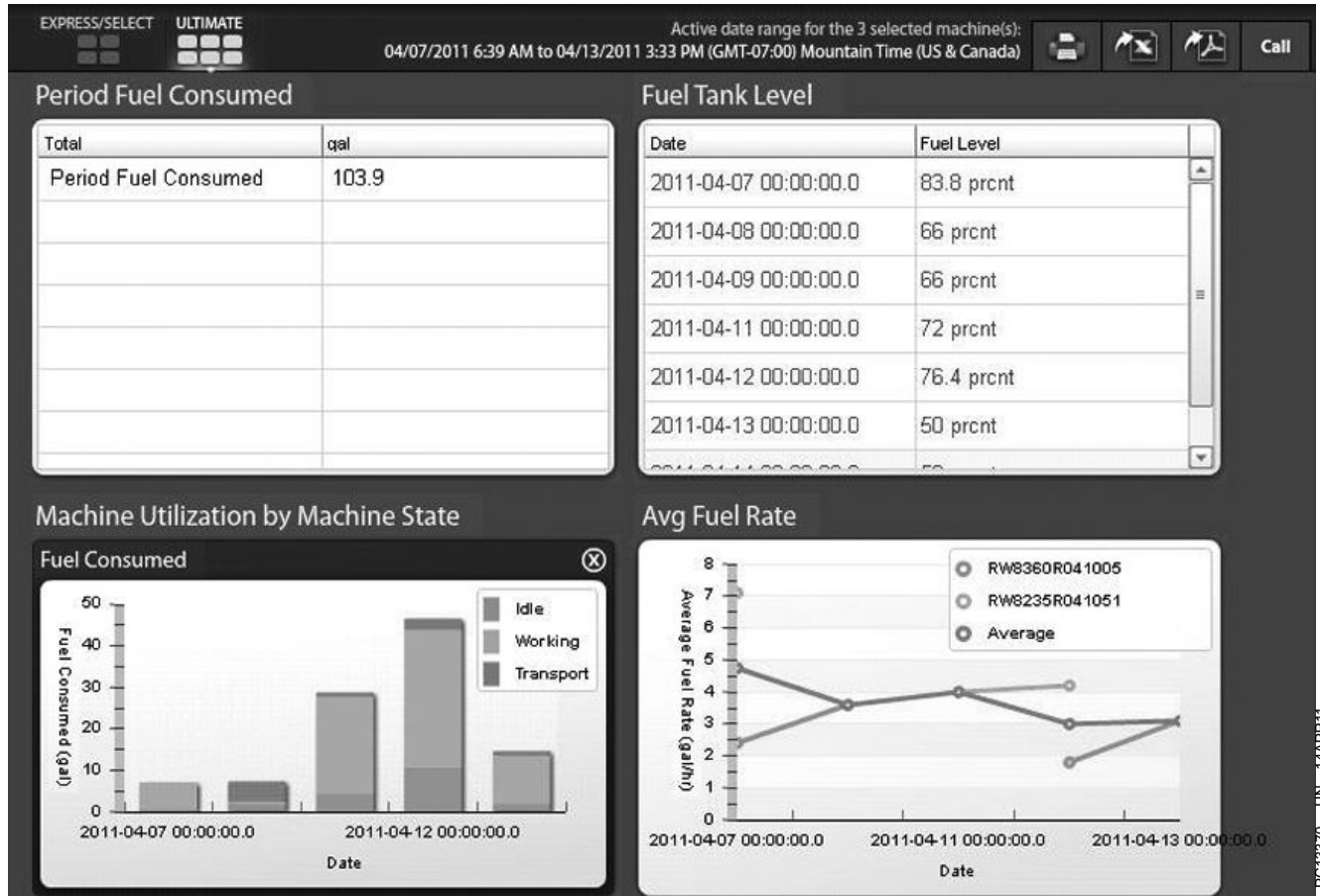
yellow globe icon. Once the appropriate information is filled in click the Get Directions button.

**CAUTION: Directions are suggestions and may not include all roads or road changes. Disregard any hazardous or illegal directions.**

JS56696,0000A17 -19-09JUN11-3/3

PC12651 -UN-21JUN10

## Ultimate Access/Setup



Ultimate Pane

Go to the Dashboard Tab. Select the Ultimate button just above the map viewing pane. Scroll down to the desired viewing pane. To expand the viewing pane, place the cursor over the viewing pane. On top of the viewing pane on the left-center side an icon with an arrow pointing to the right will appear, this will expand the viewing pane for a larger view. Each viewing pane will have the option for Summary, Details and Data. Some viewing panes have the Compare option, which will allow the user to compare multiple sets of machine data for that viewing pane in one chart.

For tractors the definitions of Idle, Work, and Transport are

**Idle** — Engine speed greater than 500 rpm and wheel speed is equal to 0 and PTO speed is less than 200 rpm.

**Work** — Wheel speed greater than 0 and less than 20 km/h or PTO speed greater than 200 rpm and wheel speed less than 20 km/h

**Transport** — Wheel speed greater than 20 km/h

JS56696.0000A18 -19-09JUN11-1/1

## Admin/Settings

The Admin/Settings tab allows the user to setup the JDLink organization account. This is where machine terminals will need to be initialized and then managed. The user will also be able to determine the settings for

alert escalation, custom alerts, geofences, curfews, and company preferences. Additionally, the user will be able to create and manage users and equipment groups for the organization.

JS56696.0000A19 -19-09JUN11-1/1

## Profile Maintenance

In order for individuals to use the JDLink website, they must be given access to an organization. This is either done by an organizations' administrators and managers or by dealers during the initial setup of an organization.

### Create Organization Accounts

Go to the Admin/Settings tab. Select the Organizations button. Search the organization being created for a duplicate account. If an account exists, select the existing account. If the account does not exist select the Add New Organization button.

Enter the organization name and press Continue. The user will need to assign an account administrator (admin). Search for an existing user profile, enter either user ID, first or last name then press Search. Select the user account that will be the admin for this organization.

If the user does not exist, press the button to create a new user. Once the profile is created, follow the previous instructions.

Fill out the organizations information in the next window and then the organizations Company Preferences.

After all data is entered press Save and Close. The organizations account has been created.

### Create Users

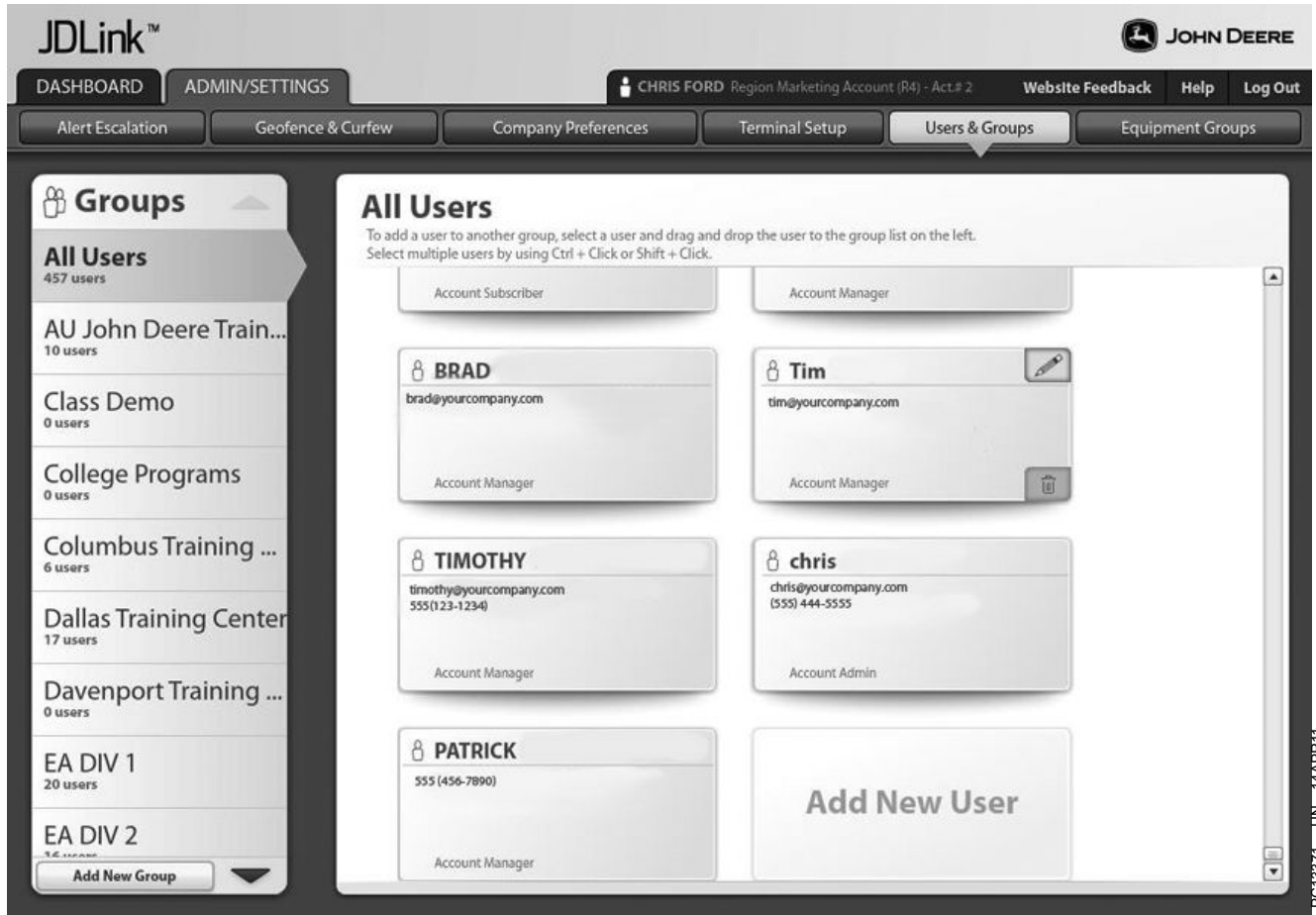
Go to the Admin/Settings tab. Select the Users & Groups button. Select the group All Groups on the left hand side of the page. Click on the box that says Add New User. Search the site for duplicate user accounts. If the account exists, select the account and assign what type of user rights they will have.

If the account does not exist, press the button to create a new user. Once the profile is created, follow the previous instructions.

- Admin — The user will have full capability within the account.
- Manager — The user will have the ability to do everything except change organization preferences and create addition account admins.
- Subscriber — The user will only be able to view the account.

JS56696,0000A1A -19-09JUN11-1/1

**User Groups**  
**Create User Groups**



Users & Groups

Go to the Admin/Settings tab. Select the Users & Groups button. On the left side of the screen under the groups section go to Add New Group. Fill out the group information and press Save.

**Add Users to User Group**

To add users to a group, select users and drag and drop the users to the desired group list on the left. Select multiple users by using ctrl + click or shift + click.

Continued on next page

JS56696.0000A1B -19-09JUN11-1/2

PC13371—UN—14APR11

### Setup Third Party Access

Go to the Admin/Settings tab. Select the Users & Groups button. Select the group All Groups on the left hand side of the page. If a user has already been created, select the pencil icon in the upper right hand corner of the user's viewing pane. Change the user role to Subscriber and then press the Save & Close button. If the user has not been created, follow the instruction for creating a new user. While creating the profile, set the user role to Subscriber.

**Mike Olson**  
User Profile

User Name: molson  
User Role: Account Subscriber  
First Name: Account Admin  
Last Name: Account Manager  
Primary Email: Account Subscriber  
Phone: [Redacted]  
Mobile: 0987654321  
Email 2: email2@email.com  
Fax: [Redacted]  
Address: 1234 Street Rd.  
City State, null

**SMS Notification Numbers**

1	319-555-5555	United States
1	888-888-8888	Canada

[-Supported Cellular Carriers](#)  
[-Privacy Policy](#)  
[-Terms & Conditions](#)

Cancel Save & Close

Third Party Access

PC12654 —UN—14JUL10

JS56696,0000A1B -19-09JUN11-2/2

## User Groups Create User Groups

The screenshot shows the JDLink Admin/Settings interface. The top navigation bar includes 'DASHBOARD' and 'ADMIN/SETTINGS'. The 'ADMIN/SETTINGS' tab is active, and the 'Users & Groups' sub-tab is selected. The left sidebar shows a 'Groups' section with a list of groups and an 'Add New Group' button. The main content area is titled 'All Users' and contains a list of user cards. Each card displays the user's name, email address, and role. The users listed are BRAD (Account Manager), Tim (Account Manager), TIMOTHY (Account Manager), chris (Account Admin), and PATRICK (Account Manager). An 'Add New User' button is located at the bottom right of the user list.

Users & Groups

Go to the Admin/Settings tab. Select the Users & Groups button. On the left side of the screen under the groups section go to Add New Group. Fill out the group information and press Save.

### Add Users to User Group

To add users to a group, select users and drag and drop the users to the desired group list on the left. Select multiple users by using ctrl + click or shift + click.

Continued on next page

CZ76372,000036A -19-14OCT11-1/2

### Give User Read-Only Access

Go to the Admin/Settings tab. Select the Users & Groups button. Select the group All Groups on the left hand side of the page. If a user has already been created, select the pencil icon in the upper right hand corner of the user's viewing pane. Change the user role to Subscriber and then press the Save & Close button. If the user has not been created, follow the instruction for creating a new user. While creating the profile, set the user role to Subscriber.

**Mike Olson**  
User Profile

User Name: molson  
User Role: Account Subscriber  
First Name: Account Admin  
Last Name: Account Manager  
Primary Email: Account Subscriber  
Phone: [Redacted]  
Mobile: 0987654321  
Email 2: email2@email.com  
Fax: [Redacted]

Address: 1234 Street Rd.  
City State, null

**SMS Notification Numbers**

1	319-555-5555	United States
1	888-888-8888	Canada

[-Supported Cellular Carriers](#)  
[-Privacy Policy](#)  
[-Terms & Conditions](#)

Cancel Save & Close

Read-Only Access

PC12654 —UN—14JUL10

CZ76372.000036A -19-14OCT11-2/2

## Equipment Groups

### Equipment groups

#### Create Equipment Groups

Go to the Admin/Settings tab. Select the Equipment Groups button. On the left hand side of the screen under Groups press the Add New Groups button and select Equipment Group. Create a New Equipment Group name and press Save.

#### Add Machines to Equipment Group

To add equipment to another group, select equipment and drag and drop the equipment to the group list on the left.

Select multiple equipment by using ctrl + click or shift + click.

#### Create Dealer Access Group

Go to the Admin/Settings tab. Select the Equipment Groups button. On the left hand side of the screen under groups press the Add New Groups button and select Dealer Access Group. Search for the dealership that will have access and press Save. The dealer selected will have access to any machines added to that group.

JS56696,0000A1C -19-09JUN11-1/1

## Company Preferences

### Region Marketing Account (R4)

Account #: 2

Country: UNITED STATES

Address: 203 South 98th Ave

City: Yakima

State: Wash... Zip: 98908

Language Preference for SMS, Text and Email Messages:

en\_US  es\_US

fr\_FR  de\_DE

it\_IT  ru\_RU

fr\_CA  en\_AU

en\_NZ

Time Zone: (GMT-05:00) Eastern Time (US & Cana...)

Unit of Measure: English

Email Date Format: MM/DD/YYYY

Machine Location Reference: Longitude/Latitude

Theme: JDLink Neutral

Printing Preferences

Header Text:

Footer Text:

Report Preferences

Alerts Report

Sort: By Equipment Group

Frequency: Weekly

Email Report to: (maximum of 5 addresses, separated with a comma)  
person@yourcompany.com

Utilization Report

Sort: By Equipment Group

Frequency: Weekly

Email Report to: (maximum of 5 addresses, separated with a comma)  
person@yourcompany.com

Fuel Report

Sort: By Equipment Group

Frequency: Weekly

Email Report to: (maximum of 5 addresses, separated with a comma)  
person@yourcompany.com

CANCEL SAVE

Company Preferences

Once an organization account has been created, the preferences for that account must be set. The settings in Company Preferences are universal for the account and will apply to all users.

Go to the Admin/Settings tab. Select Company Preferences button. Enter in the appropriate information for the company. This includes language of messages, time zone, unit of measure, E-mail, date format, machine location reference, report printing preferences and theme. Once changes are made press the Save button.

#### Measurement System

Go to the Admin/Settings tab. Select the Company Preferences button. Select the correct unit of measure from the drop down list.

#### Language Preferences for SMS, Text, and Email Messages

Go to Admin/Settings tab. Select the Company Preferences button. Select desired language for SMS, Text, and Email messages.

Languages are en\_US (English United States), es\_US (Spanish), fr\_FR (French), de\_DE (German), it\_IT (Italian), ru\_RU (Russian), fr\_CA (French - Canada), en\_AU (English - Australia), and en\_NZ (English - New Zealand).

#### Time Zone

Go to the Admin/Settings tab. Select the Company Preferences button. Select the correct time zone from the drop down list.

#### Change Location Reference (Lat/Lon, Proximity or Landmark)

Go to the Admin/Settings tab. Select the Company Preferences button. Go to the option Machine Location Reference. From the drop down box choose the preferred method to view location then press Save.

JS56696.0000A1D -19-09JUN11-1/1

## Alert Notification

The screenshot shows the JDLink Admin/Settings interface. The top navigation bar includes 'DASHBOARD' and 'ADMIN/SETTINGS'. The user is identified as 'CHRIS FORD Region Marketing Account (R4) - Act.# 28'. The 'Alert Escalation' tab is selected, showing a grid of notification groups. Each group has a 'People' and 'Machines' count, and an 'ON' status indicator. The groups shown are NotificationGroup33, NotificationGroup34, NotificationGroup35, Jakes, and Jim. An 'Add Notification Group' button is visible in the bottom right of the grid.

Group Name	People	Machines	Status
NotificationGroup33	0	0	ON
NotificationGroup34	0	0	ON
NotificationGroup35	0	0	ON
Jakes	1	3	ON
Jim	1	1	ON

Alert Notification

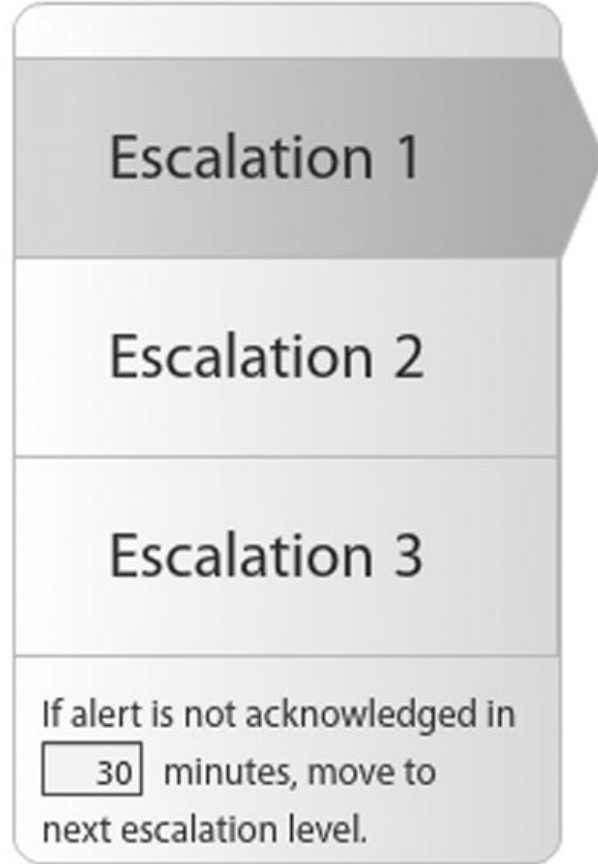
Go to the Admin/Settings tab. Select the Alert Escalation tab. If the notification group does not exist select the Add Notification Group box.

Continued on next page

JS56696.0000A1E -19-09JUN11-1/5

**Escalation**

Once in the Alert Escalation tab, click on the People box. There are three different escalation options. Users in the Escalation 1 box will be contacted first. If the alert is not acknowledged in the selected time frame the next escalation group will be contacted. The Escalation Acknowledge Time is found just below Escalation 3, click on the box and type in the appropriate time.



Escalation

PC12657 —JUN—23JUN10

JS56696.0000A1E -19-09JUN11-2/5

**Edit Alert Contact**

To add users to the escalation process the users must be an existing user for this account. Click on the Add Contact box, and a new contact box will appear. Click on the edit button for the contact box (pencil icon). In the drop down, select the user to be contacted and place a check in the box for method of contact (E-mail and/or text). Select the alert category this user will receive (Red, Yellow or Info) and the alert type (Machine, Geofence, Maintenance and/or Custom) by checking the box next to the category or type. Then press Apply.

The three alert categories rank the severity or importance of alerts. Red is the most important and Info is the least.

**Delete Alert Contact**

To delete a contact from an escalation group click on the delete icon (trash can) on the contact's box.



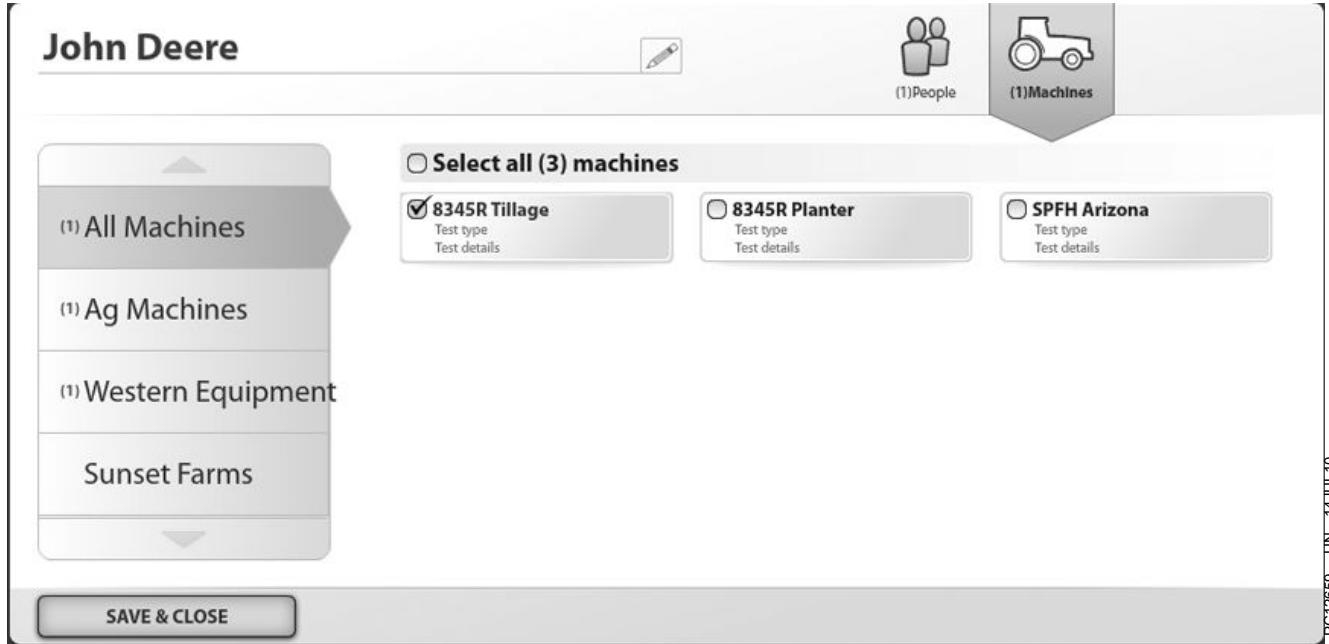
Edit Alert Contact

PC13363 —JUN—12APR11

Continued on next page

JS56696.0000A1E -19-09JUN11-3/5

**Add Machines to Alert**



*Add Machines to Alert*

To add machines to the notification group, click on the Machine tab. On the left hand side of the screen, select the group that the intended machines are in. Then place check

marks next to the machines that will send notifications. After all the machines are selected press Save and Close.

JS56696,0000A1E -19-09JUN11-4/5

**Turn Alert On/Off**

After creating a notification group it has to be turned on. Under the Alert Escalation menu there is an on/off indicator in the upper right corner of the notification group box. Toggle the on/off button to the desired state for the notification group.



*Turn Alert Notification On*

JS56696,0000A1E -19-09JUN11-5/5

## Configure Terminal

1RW8335RCAD900105

Details

Setup

Notes

### Equipment Details

<small>EQUIPMENT ID</small>	<small>MAKE</small>	<small>Type</small>	<small>MODEL</small>
1RW8335RCAD900105	JOHN DEERE	Tractor	8335RT
<small>PIN</small>	<small>GPS ANTENNA</small>		
1RW8335RCAD900105	OK		

### Terminal Details

<small>LICENSE TYPE</small>	<small>SATELLITE ID</small>	<small>Cell Id</small>	<small>JDLINK TERMINAL</small>
Ultimate		355943020158327	PCMAMGA400053
<small>REGISTRATION STATUS</small>	<small>REGISTRATION DATE</small>	<small>COMAR NUMBER</small>	
Registered	10/07/2010		

TRANSFER TERMINAL

ASSIGN TERMINAL TO EQUIPMENT

### Call History

04/06/2011	▶ 2:17 PM <small>(142hours ago)</small>	
04/04/2011	▶ 10:38 AM <small>(194hours ago)</small>	
03/15/2011	▶ 2:49 PM <small>(669hours ago)</small>	
03/15/2011	▶ 12:49 PM <small>(671hours ago)</small>	
03/15/2011	▶ 12:47 PM <small>(671hours ago)</small>	
03/12/2011	▶ 8:08 PM <small>(735hours ago)</small>	
03/07/2011	▶ 5:34 PM <small>(857hours ago)</small>	

Contact This Terminal

CANCEL

SAVE & CLOSE

### Terminal Details

#### Transfer Terminal

When a terminal is purchased it will be moved to the purchasing dealer's account. It is up to the dealer to transfer the terminal to the customer's account. If a customer purchases a terminal from another customer, the terminal needs to be transferred to a dealership account and the dealer will need to transfer the terminal to the new customer's account.

Go to the Admin/Settings tab. Select the Terminal Setup button. Select the terminal to transfer by clicking on the name. Select the Transfer Terminal button. The Move Terminal to Dealer popup will appear. Search for the dealership that the terminal will be transferred to. Select the correct dealer profile. To retain previous machine data, place a check in the Transfer Machine Data box. Then press Save & Close to transfer the unit to the dealership.

#### Transfer Terminal (Dealer Only)

Go to the Admin/Settings tab. Select the Terminal Setup button. Select the terminal to transfer by clicking on the name. Select the Transfer Terminal button. The Move Terminal to Customer popup will appear. Select the

customer check box to search for customers. Search for the customer that the terminal will be transferred to. Select the correct customer profile. To retain previous machine data, place a check in the Transfer Machine Data box. Then press Save & Close to transfer the unit to the customer.

#### Assign Terminal to Equipment

Go to the Admin/Settings tab. Select the Terminal Setup button. Select the terminal that will be assigned by clicking on the name. Select the Assign Terminal to Equipment button. The Assign Terminal to Equipment popup will appear. If the machine already exists in the system, but is inactive, select it from the list in the popup. If the machine does not exist, click on the Add Equipment button (plus sign). Enter in the Equipment information. When all the information has been entered press the Save & Close button.

#### Call the Terminal (Ping)

Under the call history on the Terminal Setup page there is a button labeled Call Now. By pressing this button a call is forced to the terminal.

Continued on next page

JS56696,0000A1F -19-09JUN11-1/2

PC13364-UN-12APR11

25-18

101811  
PN=34

Setup Terminal Preferences

**1RW8335RCAD9001**  
8335RT

Details Setup Notes

**Preferences**  
Note: Any changes made on this screen will not take effect until the unit calls in and receives the changes. Until the changes are received, the previous settings will still appear on this page.

**Cellular Report Interval**

- Weekly
- Every 24 Hours
- Every 12 Hours
- Three Times Per Day
- Hourly

**Service ADVISOR™ Remote**

- All Dealers Authorized
- No Dealers Authorized
- Approved Dealers Authorized

[0 Approved Dealers](#)

**Terminal Power Savings Settings**

After key off, stay awake for...  
 **Hour(s)**

Automatically determine sleep mode

...then, go into sleep mode for...  
 **Day(s)**

...after the period of sleep, the terminal will go into hibernate until the engine key is turned on again.

**Energy Conservation**

Battery Type: **UNKNOWN**

Automatically determine voltage thresholds

Low voltage hibernation threshold (volts)

Low voltage duration (seconds)

**Disconnect Switch?**

Yes  No

**Engine Hours**

**182.73 hrs.**

Last known engine hours: 182.73 Hrs 03/15/2011 03:50 PM

**Maintenance/Service Plan**

[Setup Maintenance Plan](#)

CANCEL SAVE & CLOSE

PC13385 —UN—12APR11

Terminal Setup

Go to the Admin/Settings tab. Select the Setup Terminal button. From the list on the Terminal Setup page click on the desired terminal. Go to the setup option in the upper right hand corner of the screen.

The follow preferences can be changed for each terminal.

- Battery Type (12 vs 24)

- Threshold
- Low Voltage Duration
- Sleep After Time
- Hibernation After Time
- Status Report interval (Call in Frequency)
- Stay Awake After Alert

## Curfew Setup

The screenshot displays the JDLink Curfew Setup interface. At the top, the JDLink logo and John Deere logo are visible. The navigation bar includes 'DASHBOARD', 'ADMIN/SETTINGS', and 'Geofence & Curfew'. The user is identified as 'CHRIS FORD' with the account 'Region Marketing Account (R4) - Act.# 2'. The interface shows two existing geofences: 'Columbus TC' and 'Geofence 8335R'. Each geofence card displays a clock icon for curfew times, a tractor icon for the number of machines, and a map icon for the area in square miles. 'Columbus TC' has Weekdays (04:00am - 05:00pm), 0 Machines, and 0.24 square miles. 'Geofence 8335R' has Tuesday - Thursday (08:00am - 01:00pm), 1 Machine, and 1.41 square miles. A large 'Add Another Geofence' button is visible at the bottom left. The bottom right corner of the screenshot shows the text 'PC13386 - UN - 12APR11'.

Geofence & Curfew Tab

Go to the Admin/Settings tab. Select the Geofence & Curfew button. Click on the Add Another Geofence box. A new box named Untitled Geofence will appear. Click on

the clock icon in the Untitled Geofence box. There will be a Machine Curfew box and a Machine Geofence box, click on the Machine Curfew box edit button (pencil icon).

Continued on next page

JS56696,0000A20 - 19-09JUN11-1/2

### Edit Curfew Settings

The dates and times entered for the curfew are when the machine will be operated. If the engine is started or the vehicle moves outside this time span an alert will be sent.

If there is an existing time span, edit the dates and times to change the curfew. If there are no existing time spans, click on the Add New Time Span button. Select the desired dates and times to have the curfew active.

If there is an existing time span that needs to be removed, move the cursor over the time span and press the "x" in the right hand side of the entry. This will delete the time span from the curfew.

In addition, select the type of alert to be sent and the trigger for sending the alert message. The type of alert can be either Info, Yellow or Red, and the trigger can be either engine start or machine movement. When finished, click Apply to save settings.

#### Machine Curfew

**Define Operating Hours**

Mon	Tue	Wed	Thu	Fri	Sat	Sun
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

12:00 a.m. to 11:59 p.m.

**Send** Info Alert ▼

If  engine starts \*

(machine)  moves more than  feet \*

\*Outside of Defined Operating Hours

Machine Curfew

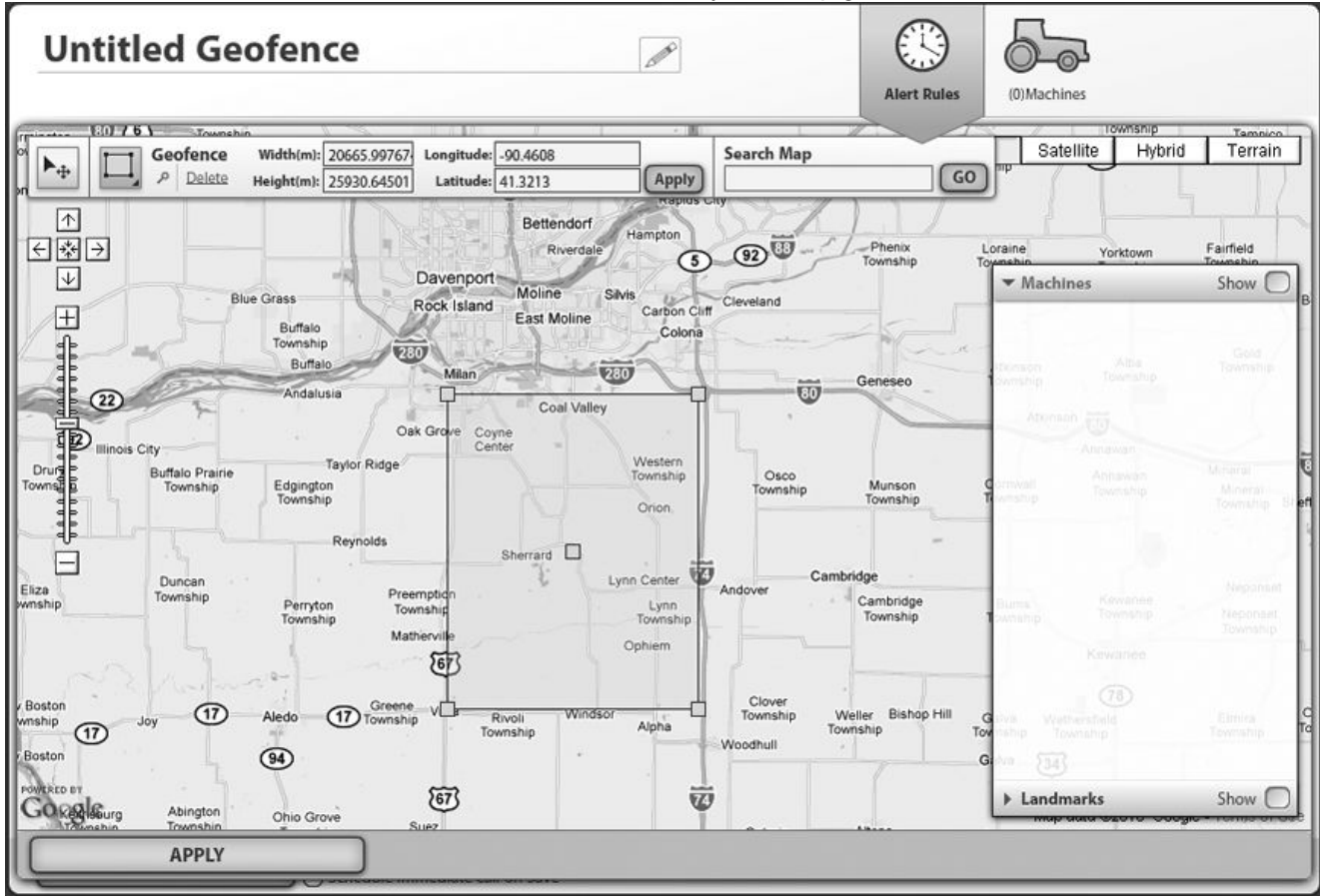
PC13367 —UN—12APR11

JS56696,0000A20 -19-09JUN11-2/2

## Geofence Setup

Go to the Admin/Settings tab. Select the Geofence & Curfew button. Click on the Add Another Geofence box. A new box named Untitled Geofence will appear. Click on the clock icon in the Untitled Geofence box. There will

be a Machine Curfew box and a Machine Geofence box, click on the Machine Geofence box edit button (pencil icon). Click on the Attach Geofence button. There are two ways to setup geofences.



Create Geofence

### Create Geofence

First, a geofence can be created by entering a latitude and longitude of the central point of an intended area. Then entering the width and height to extend the geofence boundaries in opposite directions of the central point. Once the values are entered select the Apply button next to the latitude box to preview the geofence. The geofence can be deleted by clicking the Delete button to the left of the height box, or it can be accepted by clicking the Apply button on the bottom left hand side of the map.

The second option is to center the map over the intended area by click and holding the map and dragging it so that

the desired area is in the middle of the map. Double click on the map to zoom in or use the plus and minus scale on the left side of the map to zoom in and zoom out. Click on the button with the box in the upper left hand side of the screen (move the cursor over the button and it will display Draw Geofence). Click and drag the cursor over the area to create a geofence. A box will be displayed on the map, this is the geofence. Delete the geofence by clicking on the Delete button to the left of the height box, or accept the geofence by clicking the Apply button on the bottom left hand side of the map.

Continued on next page

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### Geofence Settings

Select the active date range for the geofence by clicking on the calendar boxes and selecting the desired dates. Select the type of alert to be sent and the trigger for sending the alert message. The type of alert can be either Info, Yellow or Red and trigger can be either crossing in or out of the geofence. Then click Apply to save the settings.



The image shows a 'Machine Geofence' settings dialog box. At the top, it displays '0 square feet' and an 'Attach Geofence' button. Below this is the 'Active Date Range' section, which includes a date input field containing '03/22/2011', a calendar icon, the word 'to', another empty date input field, and another calendar icon. The 'Send' section features a dropdown menu currently set to 'Info Alert'. The 'If (machine)' section has two radio button options: 'Machine Exits Geofence' and 'Machine Enters Geofence'. At the bottom of the dialog is a large 'CLOSE' button.



Geofence Settings

PC13368 —UN—12APR11

JS56696.0000A21 -19-09JUN11-2/2

## Assign Equipment to Geofence and Curfew

### Geofence 8335R

 Alert Rules  (1)Machines

Select all (2 of 2) available machines

RW8310R905302  
IN:  
PEND:

RW8235R041051  
IN:  
PEND:

- (1) All Machines
- 8R MY11 LPB Service Training
- 8R MY11 Production**
- AU John Deere Training Centre
- CEP TRACTOR
- College Programs
- Columbus Training

**SAVE** **CANCEL** Saved Changes are sent to each machine on its next scheduled call-in.  
 Schedule immediate call on Save

Add Machines to Geofence

Click on the machine icon in the desired box on the main Geofence & Curfew page. If the geofence or curfew is already selected, click on the Machine tab in the upper right corner of the page. Once in the Machine tab, mark the machines that will use the selected geofence and/or

curfew. When finished click Save and Close. For the changes to take immediate effect, check the box next to the Save and Close button that says "Schedule immediate call on Save".

PC13369—UN—12APR11

JS56696,0000A22 -19-09JUN11-1/1

# Satellite Module

## Additional Information

### Conditions for Satellite Calling

As long as the MTG has cellular coverage, the Satellite Module is NOT used.

Once the MTG fails to connect with a cellular call, it will continue trying to connect for one hour. After that hour, messages are allowed to escalate to the Satellite Module.

If the vehicle moves out of cell coverage permanently this will only happen once. If the vehicle moves in and out of cell coverage, this one hour delay for the Satellite Module will happen every time it moves out of cell coverage.

### Alert Messages

All telematics messages have a routing class and priority that determines whether they are to be sent right away or at next call in, and whether that message is allowed to escalate to satellite should the cellular call fail.

- Red Alerts are queued immediately after being triggered.
- Yellow and Informational Alerts must be at least two hours old, and are then sent at the next scheduled call in or when the terminal is called from the website.

### Daily Call In

Once the Satellite Module is registered, it is scheduled to call in to the host once a day by default. This can be changed by the user to weekly on the web.

If the MTG is set for a daily call in, makes a call, then moves out of cell coverage and there are no red alerts or immediate calls required, it will be 24 hours before the next call attempt is made. This means that it could be 25 hours before you hear from that vehicle or can contact it. So if the user were to try and push a geofence after the last cell call and wants the geofence sent immediately to the MTG, it might be 25 hours before the geofence is actually received by the MTG over satellite.

This is because messages are sent from the JDLINK server according to the LAST method that the device called in with. So, if the last message received from the terminal was over cellular signal, only cellular messages will be sent to the terminal. Likewise, if the last message received was from satellite signal, only satellite messages will be sent back.

CZ76372.0000366 -19-14OCT11-1/1

# Service ADVISOR Remote

## Overview

### Theory of Operation

Service ADVISOR™ is a diagnostic tool used by John Deere dealers to perform diagnostics as well as updates to machine settings and software. Dealers can access diagnostic trouble codes and diagnostic addresses, create readings and recordings, and program controllers. This technology consists of both software and hardware. Technicians attend a minimum of 8 hours of training to become certified in utilizing this tool.

Service ADVISOR™ Remote (SAR) is a function of Service ADVISOR™ that allows the dealer technician to connect to a SAR enabled machine via the JDLink™ network to remotely access diagnostic trouble code information and record diagnostic data, as well as to remotely program controllers on SAR-enabled machines.

Similar to software (payload) updates in the computer industry, SAR enables John Deere to remotely deliver

updated software via the JDLink hardware onboard. Remote programming gives John Deere the ability to update software to enhance the performance of the machine. This capability can be used to reprogram most machine controllers. The user actively participates with the dealer in this process by both downloading the software update and installing the software update.

*NOTE: Some vehicle controllers may not be compatible for SAR reprogramming.*

### Vehicle Compatibility

*NOTE: If equipped, Access Manager provides the capability to unlock, partially lock, or lock operator access to specific components, including the ability to download and install software updates. Please refer to your machine's OM for more details.*

For a current list of approved vehicles, please contact your John Deere Dealer or visit [www.StellarSupport.com](http://www.StellarSupport.com).

JS56696,0000A23 -19-09JUN11-1/1

## Vehicle Reprogramming

With SAR dealers have the ability to send new software to a vehicle to update controllers. Once the dealer sends the software, a message will appear on the display stating that there is new software available. Pressing Accept will take the user to the software updates page.



PC12691—UN—27JUL10

Software Update Available

Continued on next page

JS56696,0000A24 -19-09JUN11-1/5

If the message is cancelled, the user can access the page by selecting the Menu button and then Remote Software Updates.

PC8663 —UN—05AUG05



MENU button

PC12671 —UN—21JUL10



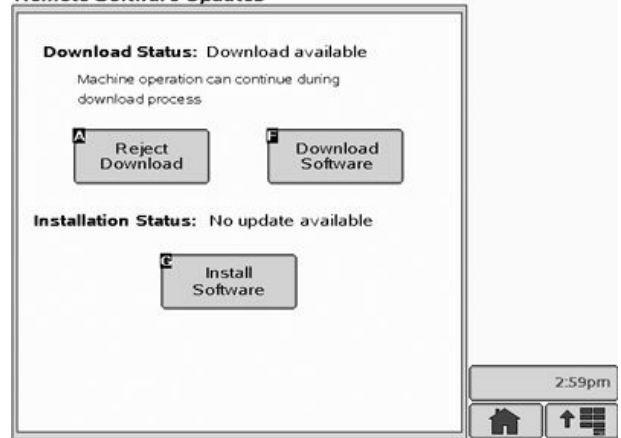
Remote Updates Menu Button

JS56696,0000A24 -19-09JUN11-2/5

### Download Updates

On the Remote Software Updates page, the operator can either reject or download the new software. Pressing the Download Software button will start the download process. This process will continue in the background and normal machine operation can continue.

#### Remote Software Updates



Remote Software Updates

PC12670 —UN—03SEP10

Continued on next page

JS56696,0000A24 -19-09JUN11-3/5

### Install Updates

Once the software has been downloaded and it is ready for installation, a message will appear on the display. Press the accept button to go to the Remote Software Updates page.

Software installation can take up to 40 minutes. Pressing the cancel button enables you to update the software at a later time if desired.

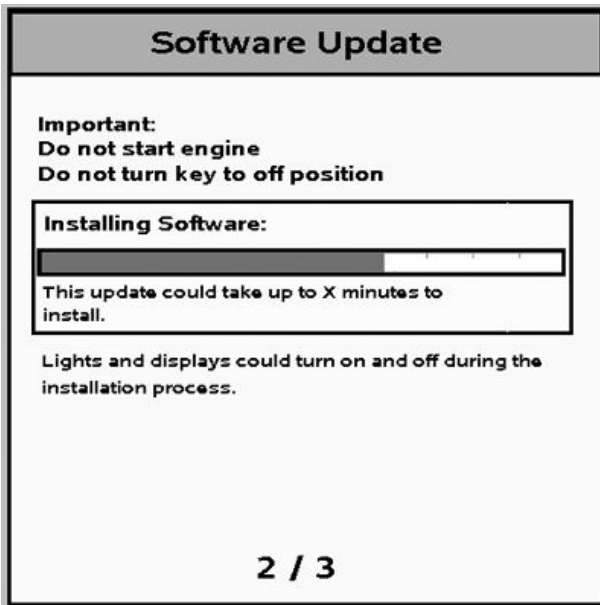
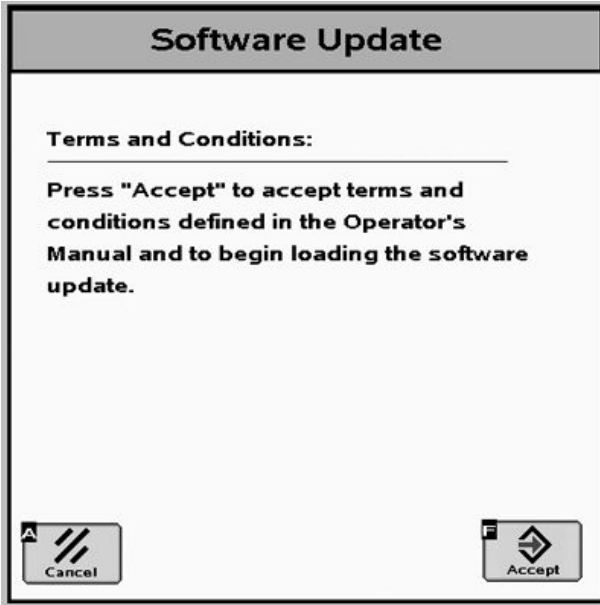


PC12692 — UN—27 JUL 10

*Update Ready for Install*

Continued on next page

JS56696,0000A24 -19-09JUN11-4/5



On the Remote Software Updates page, press the Install Software button to begin the installation process.

**CAUTION:** Some vehicle functions, including lights, may become inoperable during reprogramming. To avoid injury, ensure the vehicle is in a safe location and configuration before reprogramming. Do not reprogram near public roadways or in active work sites.

Once prompted, accept the terms and conditions and then follow the on screen instructions.

If there is a problem during the install process, the system will try a second install. If the second attempt fails, please contact your John Deere dealer.

JS56696,0000A24 -19-09JUN11-5/5

## Troubleshooting - Reprogramming

Symptom	Problem	Solution
<b>Accessory Power Lost</b>	Engine Started or key turned off	Do not start engine or remove power while software updates are being installed. Turn key off and return to ON position.
<b>Voltage Low</b>	The system voltage is too low to proceed with the software installation.	Turn off or remove accessories that are unnecessary.  Check battery voltage and recharge battery if necessary.
<b>Communication Fault</b>	The software installation cannot be completed because of a communications fault	Turn key off and then back to on. Then retry software installation.  Contact a John Deere Dealer if communication cannot be established.
<b>Remote Software Updates icon not on display</b>	Cannot access Remote Software Updates page on the display	Check harness and connections to MTG.

*NOTE: Remote Software Icon shall be available at all times, whether there is a payload or not.*

JS56696,0000A25 -19-09JUN11-1/1

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Place of Purchase	Address	Governing Law	Venue
United States of America	John Deere Shared Services, Inc. One John Deere Place Moline, IL 61265 U.S.A.	State of Illinois, USA	Rock Island County, Illinois, USA
Argentina	Industrias John Deere Argentina, S.A. Casilla de Correo 80 Rosario (Santa Fe), 2000, Argentina	Province of Santa Fe, Argentina	Province of Santa Fe, Argentina
Australia or New Zealand	John Deere Limited (Australia) P.O. Box 2022 Crestmead, Queensland, Australia 4132	State of Queensland, Australia	State of Queensland, Australia
Canada	John Deere Limited 295 Hunter Road P.O. Box 1000 Grimsby, ON L9K 1M3	Province of Ontario, Canada	Province of Ontario, Canada
Chile	John Deere Water, S.A. Cerro Santa Lucia 9990 Quilicura, Santiago, Chile	Province of Santiago, Chile	Province of Santiago, Chile
Mexico	Industrias John Deere, S.A. de C.V. Boulevard Diaz Ordaz #500 Garza Garcia Nuevo Leon 66210, Mexico	State of Nuevo Leon, Mexico	State of Nuevo Leon, Mexico

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Service ADVISOR Remote

Europe	ETIC Strassburgerallee 5 67657 Kaiserslautern, Germany	Federal Republic of Germany	Kaiserslautern, Germany
Other	The John Deere entity identified for the location of your Machine on www.JDLink.com.	The John Deere entity identified for the location of your Machine on www.JDLink.com.	The John Deere entity identified for the location of your Machine on www.JDLink.com.

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# Specifications

## Electrical Specifications

### Modular Telematics Gateway and Satellite Module

- Input Voltage—The voltage range for switched and unswitched power 9-32VDC.

- Fuse recommendations—The device should be protected with a 10A fuse maximum.

CZ76372.000010B -19-10JUN11-1/1

## EC Declaration of Conformity

**Deere & Company**  
**Moline, Illinois U.S.A.**

The person named below declares that

Products: Modular Telematics Gateway  
Satellite Module

fulfill all relevant provisions and essential requirements of the following directives:

Directive	Number	Certification Method
Radio and Telecommunications Terminal Equipment (R&TTE)	1999/5/EC	Annex III

Name and address of the person in the European Community authorized to compile the technical construction file:

Henning Oppermann  
Deere & Company European Office  
John Deere Strasse 70  
Mannheim, Germany D-68163  
EUConformity@johndeere.com

Place of declaration: Kaiserslautern, Germany

Date of declaration: 10 August 2010

Manufacturing unit: Phoenix International Corporation

Name: Hans Juergen Nissen

Title: Engineering Manager, Ag Management Solutions



DXCE01 —UN—28APR09

CZ76372.0000109 -19-11AUG10-1/1

Specifications

**EC Declaration of Conformity**

**Deere & Company  
Moline, Illinois U.S.A.**

The person named below declares that

Products: High Performance Antenna

Part PF81426, PFP10525

Numbers

fulfills all relevant provisions and essential requirements of the following directives:

Directive	Number	Certification Method
Radio and Telecommunications Terminal Equipment (R&TTE)	1999/5/EC	Annex III

Name and address of the person in the European Community authorized to compile the technical construction file:

Henning Oppermann  
Deere & Company European Office  
John Deere Strasse 70  
Mannheim, Germany D-68163  
EUConformity@johndeere.com

Place of declaration: Kaiserslautern, Germany

Name: Aaron M. Senneff

Date of declaration: 20 August 2010

Title: Engineering Manager, Ag Management Solutions

Manufacturing unit: AeroAntenna Technology, Inc.



DXCE01 —UN—28APR09

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ZXLink

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# John Deere Service Keeps You On The Job

## John Deere Parts

We help minimize downtime by putting genuine John Deere parts in your hands in a hurry.

That's why we maintain a large and varied inventory—to stay a jump ahead of your needs.



TS100 —UN—23AUG88

DX,IBC,A -19-04JUN90-1/1

## The Right Tools

Precision tools and testing equipment enable our Service Department to locate and correct troubles quickly . . . to save you time and money.



TS101 —UN—23AUG88

DX,IBC,B -19-04JUN90-1/1

## Well-Trained Technicians

School is never out for John Deere service technicians.

Training schools are held regularly to be sure our personnel know your equipment and how to maintain it.

Result?

Experience you can count on!



TS102 —UN—23AUG88

DX,IBC,C -19-04JUN90-1/1

## Prompt Service

Our goal is to provide prompt, efficient care when you want it and where you want it.

We can make repairs at your place or at ours, depending on the circumstances: see us, depend on us.

JOHN DEERE SERVICE SUPERIORITY: We'll be around when you need us.



TS103 —UN—23AUG88

DX,IBC,D -19-04JUN90-1/1









