

JDLink

Remote Machine and Logistics Optimisation



Liberate your business

Remember the time you got to own your first car... your first mobile phone... your passport? It brought you freedom. The freedom to be you. The freedom to enjoy new experiences. The freedom to be in control.

JDLink gives you the freedom to run your business in completely new ways.

Using telematics – the combination of your machine's inbuilt CAN Bus system with satellite positioning and wireless communications technology, it lets you monitor and manage your equipment remotely.

Track equipment in real-time for better fleet management. Analyse your machine's working hours and loading to minimise fuel consumption and maximise performance. Compare harvest yields between machines so all your operators are your best and, let your dealer remotely monitor and manage your machine's maintenance.

From your office. From the field. Wherever you want.

Now there's a completely new way to run your business:
JDLink.





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John Deere FarmSight – a new way of farming

JDLink is a key enabler of the new John Deere FarmSight strategy. John Deere FarmSight integrates wireless technology and advanced precision farming solutions to connect equipment, owners, operators and dealers to provide new levels of productivity and farm management. It is designed to help agricultural producers around the world manage their equipment fleet more efficiently and make informed agronomic decisions.

John Deere FarmSight can help you in three important ways:

Machine Optimisation – using precision guidance technology and wireless data networks to improve productivity and increase the uptime of your equipment.

Logistics Optimisation – machine-to-machine communication and remote connectivity improves fleet management.

Ag Decision Support – advanced documentation supports better decision making on use of inputs, yield analysis and farm management.

All systems are 'plug-and-play', with seamless integration and connectivity. That's because we manufacture the machinery and develop the software and wireless connectivity ourselves.

With JDLink you'll be able to improve the logistics of your equipment during harvest and you'll be able to optimise the productivity of each machine for maximum efficiency and lower fuel consumption.





Solutions that grow with your business

JDLink telematics solutions let you track all of your machines and applications from the convenience of your office or wherever you have an internet connection. You can access the data on www.jdlink.com.

To meet your specific needs JDLink delivers machine information at three levels: JDLink Select, Ultimate and Harvest Modules. JDLink select is the ideal introduction into telematics. This entry level service provides machine location data for all makes and models.

JDLink Ultimate gives you a true “green-to-green” advantage. The system links into the machines Controller-Area network (CAN) and delivers machine generic data from your John Deere equipment in addition to JDLink Select data.

JDLink Harvest Module is designed as a tool to monitor your complete harvesting operations. The system gives you access to agronomic and other machine specific data to help you improve your machine optimisation and harvesting efficiency.

Your dealer can use the JDLink infrastructure for additional monitoring services such as Service Advisor Remote. This is a new tool which enables your dealer’s service manager to access your machine’s diagnostic system remotely to ensure your equipment is operating at peak performance.



“I can now manage my fleet more effectively. It’s improved machine utilisation and the service I deliver.”

JDLink Select

An excellent entry-level to remote machine monitoring, JDLink Select provides location based data. It really comes into its own during operations with mixed fleets when optimising machine logistics can make a huge difference to the overall efficiency and speed of tasks.

- Geo-fence individual machines
- Monitor machine hours
- Plan maintenance



“It’s helped me reduce my fuel costs significantly. JDLink is worth it for that alone.”

JDLink Ultimate

A powerful tool for optimising your fuel consumption and performance, JDLink Ultimate connects to the CAN Bus system on your machine to give you access to all the essential performance data. You can analyse machine utilisation, loadings and carry out detailed fuel consumption analysis.

- Improve fuel efficiency
- Increase machine utilisation
- Obtain valuable diagnostics



"It gives me the confidence that I can quickly get any inexperienced seasonal operators performing as well as my best operators."

JDLink Harvest Module

This extends JDLink to your John Deere harvesting machines and gives you all the important data to compare harvesting performance from machine to machine. It can be used as a training tool to improve individual operator's skills and boost your overall harvesting productivity.

- Monitor harvesting settings
- Analyse productivity data
- Improve operator performance



"I'm in the business of farming, not machine maintenance. With Service ADVISOR Remote I've handed over all the scheduling to my dealer."

Service ADVISOR Remote

Let your dealer use your JDLink infrastructure to carry out remote diagnosis without having to make a visit. It saves time on unnecessary call-outs and improves first time fix rates for increased uptime.

- Reduce diagnostic call-outs
- Increase machine uptime
- Identify potential issues early

	JDLink Select	JDLink Ultimate	JDLink Harvest Module
Machine Location	✓	✓	✓
Geofencing	✓	✓	✓
Machine hours	✓	✓	✓
Maintenance planning	✓	✓	✓
Fuel consumption	–	✓	✓
Machine utilisation	–	✓	✓
Machine diagnostics	–	✓	✓
Machine settings	–	–	✓
Machine productivity data	–	–	✓
Service ADVISOR Remote	capable	capable	capable

JDLink Select. Tells you where your machines are in real-time

JDLink Select helps you optimise your machine logistics. It shows you the exact location of every machine on detailed, full colour Google maps. So the next time you send a tractor to a harvester or a harvester to a customer, you can give operators clear directions and plan more accurately.

If you need to send several machines to the same customer, you can see at a glance which machines are closest. You can also see where your machines were – and for how long – from the moment they leave the farm in the morning.

You can also define a geographic radius that the machine operates within. If anyone tries to steal your equipment, you'll get an alert on your mobile phone, as well as on the website. The website also tracks the position of your machines at short, regular intervals so you'll know exactly where it's heading.

And if anyone tries to 'borrow' a machine for unauthorised work, you'll know all about that too – thanks to the detailed overview of running hours that JDLink Select provides.





"Knowing where all my machines are at any one time has allowed me to manage my fleet much more effectively than I used to. Before I had JDLink Select I was constantly on the phone checking with operators, now I only phone them when I want them to do something – not to find out where they are.

Scheduling machines during the harvest season can be a real challenge. If I know where they are it helps me keep my foragers working continuously with less stoppages. Over a day all those saved minutes add up. It means you can be moving your machines onto the next job faster – and when the weather is uncertain those saved minutes give you much greater flexibility in scheduling jobs.

I can also set geo-fence areas for individual machines. It's a useful feature when we're harvesting a long way from our farm and we have to leave machines overnight without any security. If a machine moves out of the specified area I get an instant text alert."

JDLink Ultimate. Takes the guess work out of optimising fuel consumption

JDLink Ultimate gives you the hard facts on fuel consumption so you know exactly how your fuel is being used and can take actions to improve efficiency.

For instance, you can identify the amount of time spent doing different tasks and cut down on non-productive engine hours such as idling which unnecessarily burns fuel and puts extra hours on your machines. You can see how the machines are being utilised with analysis of engine load for better working efficiency. Plus you can set your own alerts on individual machines so you'll know if fuel consumption goes above a certain level, fuel is running low or you're not performing the task as fast as you had expected you would.

With all the facts right there in front of you there's no longer hours of debate over different settings. JDLink Ultimate takes the guesswork out of improving fuel economy.



"I used to keep a log of my fuel consumption, machine hours and fuel used. But it didn't really tell me how I was using my fuel and if I was using it in the best way.

If you think about your car, you might choose to drive fast to get to your destination quickly. You use more fuel, but you have more time to spend when you get there. Or, you can drive more slowly, save fuel but have less time at the destination. If it's an important meeting, I know what I'd do because the extra time I get is more important to me than the extra cost of the fuel.

JDLink Ultimate gives me the information I really need to make informed decisions about how I use fuel. I've saved fuel and I've got work done faster because I've rebalanced my tractor and implement combinations so they are better suited for each individual job."



JDLink Harvest Module. Makes every operator your best operator

JDLink Harvest Module gives you all the vital information you need to maximise your harvesting potential.

The harvesting season is always a challenge. Time is precious. Yields are vital for long-term profitability and accurate data is essential for managing costs and inputs for next season's crops.


JDLink Harvest Module extends JDLink connectivity to your John Deere combines and forage harvesters. By combining machine and crop data, it provides you and your operator with machine-specific data including yield, throughput and moisture information. You can monitor the machine settings on-the-go for optimum throughput and you even set your own real-time alerts to your mobile phone so you know when fuel levels are running low, harvesting rates are dropping below a certain level and much more.

By having complete transparency on machine performance you can see how many hectares a particular machine is harvesting per hour and all the critical harvesting information set by that operator. This allows you to share it amongst different operators so every operator is running with the optimum settings on their machine. So no matter how skilled or inexperienced an operator – every operator can be your best operator.

*Compare the settings
between your machines*

S690i – 1
Chris

● S690i – 1 Chris		● S690i – 2 Alex	
Measurement	Last	Measurement	Last
Rotor Speed	830 rpm	Rotor Speed	930 rpm
Wind/ Fan Speed	1000rpm	Wind/ Fan Speed	1100rpm
Concave Clearance	15 mm	Concave Clearance	15 mm
Chaffer	17 mm	Chaffer	20 mm
Sieves	6 mm	Sieves	6.5 mm
Driving Speed	5 km/h	Driving Speed	6.5 km/h
Engine Speed	2100 rpm	Engine Speed	2100 rpm



S690i – 2
Alex

"I use a lot of seasonal labour during the harvest season. Some of the operators are very familiar with the machines, but some are new to the job.

I have no problem with using new people but I can't afford for them not to be able to get the most from a machine. Harvest performance can vary by a hectare or more per hour and fuel consumption can be higher for less productivity. So a less experienced operator can be a costly mistake.

That's why I use JDLink Harvest Module. It gives me all the information I need to optimise every machine in my fleet. The operators like it too because they know they are doing the best possible job they can – sometimes it becomes a competition to see who can get the best possible figures!

I've also been working with my dealer to share harvest performance data from other farmers in the area so I know how I compare to the other operations."

Service ADVISOR Remote. Gives you your own virtual technician

Service ADVISOR Remote is an additional feature of Service ADVISOR – our well established service tool used by John Deere dealers to perform diagnostics as well as updates to machine settings and software. Now you can let your dealer remotely access your machine's diagnostics systems via the JDLink infrastructure and they'll make sure it's running at peak performance. It's like having your own personal infield technician who travels with your machine everywhere it goes.

Service ADVISOR Remote saves you time on repairs as your dealer doesn't have to make a visit to carry out diagnosis and then a follow-up visit with the appropriate parts. Instead they can remotely identify any issues, diagnose the problem and bring out the right parts – all in a single visit. And, if there's ever an intermittent fault, they can set thresholds which are automatically recorded if they are exceeded. Analysing these recordings helps your dealer find the right fix faster.




"The other morning I got a call from my dealer asking if it was OK for him to come out and change an air filter on my 6R. He said it was almost blocked and if it was left the engine could start to overheat.

I'd been doing a lot of tillage the previous week and the ground was dry. The filter must have taken in a lot of dirt. I had no idea it needed replacing and if I hadn't had Service ADVISOR Remote I probably wouldn't have noticed until it had become a problem.

To me it makes total sense. I'm in the business of farming, not machine maintenance. This gives me one less thing to think about. I don't have to think about maintenance schedules or worry if my equipment is performing as good as it should be. My dealer now takes care of everything, identifying maintenance items when they need doing and making sure my machines are always running perfectly."



Alerts are monitored via www.jdlink.com

Type	Machine	Description	Date	Acknowledge
	6150R_1	Oil change	8/08/11	Acknowledge

JDLink in your pocket

Our iPhone and iPad application (app) gives you all the critical functionality of JDLink in your pocket:

Location data lets you pinpoint individual machines. So you can manage the logistics of your fleet with precision on-the-go and even get driving directions based on Google maps.

Instant alerts advise you of any critical issues or can be set as reminders for items that need attention such as low fuel levels or hours spent in the field.

What's more, it's free. Just download it from the App Store straight onto your iPhone or iPad. And if you're not yet familiar with JDLink, the app offers a demo to help you explore its capabilities and simply enjoy this smart new tool. So why not download it today and give it a test?





"During the harvest season I'm often behind the wheel of a combine as we need all the operators we can to work day and night. But being away from the office used to make it really tough to keep track of what was going on with all the different machines. I'd be on the phone for hours every day.

The JDLink iPhone app has changed all that. Now I can check up on the location of all the machines from my cab as if I was sitting in my office. I can also set text alerts to notify me of fuel levels and grain tank fill levels which means I have much greater flexibility in managing the logistics of every single machine.

Thanks to the app I never have combines sitting idle waiting to unload grain tanks or stopping for fuel. And I'm not constantly bothering my operators with phone calls either. What's more: It's fun to use as well!"

Supporting your business efficiency and profitability

JDLink is creating totally new ways in which your dealer can support your business.

Up until now their services have primarily been sales as well as maintenance and repair of your machines. Although these will remain important functions, your dealer will now be able to offer in-depth analysis of the way you use your machines and the different inputs you make throughout your operations.

Thanks to JDLink your dealer can now remotely monitor many of your machines' functions on your behalf. For example, they can analyse your fuel consumption so you can optimise individual machines for specific tasks like tillage or harvesting. They can also share with you the knowledge they have from hundreds of different machines within their territory, so you can benchmark your performance against other operations in your area.

With your permission they can also use Service ADVISOR Remote to monitor the servicing and maintenance requirements of your machine and provide proactive maintenance for improved machine uptime.



"JDLink has made a big difference to my role as a technician. It's become a lot more rewarding as I'm far more pro-active, diagnosing customer's machines and fixing things before they become a problem.

The mobile app has also changed the way I work, particularly during the harvest season. With the machine mapping I can pinpoint the exact location of a customer's machine and get straight there without any delays. It really comes into its own when I'm travelling off-road, late at night. Conventional maps and even satellite navigation just don't compare.

Even before I get to a customer I can check on the JDLink website any alerts and performance data for a particular machine which often gives me a good idea of what the issue might be.

Customers like the new services we're offering and the ability to take control of all their servicing and repairs remotely gives them more time to concentrate on other areas of their business."



A new way of farming

Satellite navigation, the internet, mobile communications and applications are changing the way we live our lives. Now we can do things we never thought possible, wherever we are.

John Deere is bringing these innovations to farming and setting the directions for the future with John Deere FarmSight. We first introduced satellite guidance systems almost 15 years ago and now we are continuing to innovate with wireless technology solutions like JDLink.

John Deere solutions aren't just green and yellow either. We know there are many farmers and contractors with mixed fleets who want to take advantage of our unique technology. That's why we offer JDLink Select as a universal solution, just like we developed the AutoTrac Universal steering kit as an AutoTrac solution for all makes and models.

Building on our existing range of integrated wireless technology and precision farming solutions your John Deere dealer will be able to offer you even more advanced products and services in future.

A new way of farming has arrived. John Deere FarmSight.



JOHN DEERE



John Deere Financial – A range of finance options as powerful as our products. Contact your John Deere dealer for a comprehensive range of finance options to suit the specific needs of your business. Not available in all countries please consult your local dealer.

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