



# **Product Specification**

## **Overview**

Virtual Wrench™ is a remote service system that can be used by resellers to provide high level, instant support to their customers. Via the built-in cell phone connection on Leica Geosystems products, the service person can log on to a web browser and monitor, configure, upgrade, update and maintain their customers' electronics from any web browser.

## **Features**

#### ■ Remote view



- Allows the service person to see what the user sees to diagnose common problems
- Remote button and dial controls allow service personnel to walk the customer through the system's capabilities
- Generic architecture can easily be adapted to support user interfaces other than mojoRTK

### ■ Remote statistics

- See all key diagnostic parameters in real-time such as software version, current satellite visibility at the base station and rover, battery levels and CAN bus status to quickly assess your customer's situation. Items that need attention are highlighted in red
- On J1939 and/or ISO11783 tractors, the system can be configured to see all available messages, including engine and transmission speeds, implement activity and fluid levels

#### On-Board software update

 There is no need to send a service person to a customer site for a software upgrade. When the customer requests, the mojoRTK console will download the latest version from Virtual Wrench™ and install this via a simple wizard

#### Customer View



- View customer status and current authorization levels at a glance
- Update customer details and assign service level agreements

#### Location view



• This feature allows customer service personnel to see where the vehicle and base station are located to determine any geographical issues and advise the customer accordingly

## ■ Automated Customer Service ticket system

- Tickets are automatically raised when a customer requests service from their controller and advises the customer service personnel by SMS and e-mail of the pending ticket, associated phone number and system details
- Allows service personnel to record service conducted to ensure that customer issues are resolved, that recurring issues can be attended to, and for billing purposes



## Leica service support

## Configuration View



- This feature allows Leica Geosystems technicians to view all customer settings remotely and modify them to optimize system performance or rectify incorrect configurations
- It is also possible to reset the controller defaults via this feature

## ■ Remote feature upgrades



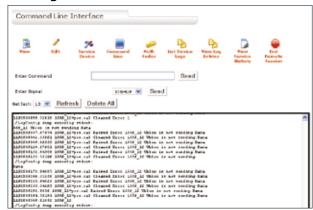
- Leica Geosystems technicians can instantly provide upgrades such as extended baselines and GLONASS capabilities either on a temporary or permanent basis, without the need for user interaction
- Details of the upgrade are sent by e-mail and SMS automatically

#### Download Logs



 Leica Geosystems technicians are able to download log files to see what occurred before the customer contacted customer service, to understand and rectify any issues that instigated their call

### Configuration View



• If, by any chance, something is not covered by the other features in the system, Leica Geosystems' engineers can access the device and quickly determine all possible status

Feature	Reseller	Leica Geosystems Technician
Remote view	<b>✓</b>	<b>✓</b>
Remote Statistics	V	<b>V</b>
Location view	<b>V</b>	<b>✓</b>
Software update	V	<b>V</b>
Customer Alert	<b>V</b>	<b>✓</b>
Configuration View		<b>✓</b>
Customer View		<b>✓</b>
Remote Feature Upgrades		<b>~</b>
Download Logs		<b>✓</b>
Command Line Interface		<b>~</b>

# System requirements

Browser	Microsoft Explorer v6.x or higher	
	Mozilla Firefox v1.08 or higher	
Resolution	1024x768 or better preferred	
	800 x 600 also possible.	

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