

CONNECTING THE WORLD'S ASSETS

**ORBCOMM**<sup>TM</sup>

# BUS MANAGEMENT

## **SAFETY, EFFICIENCY AND COMPLIANCE**

ORBCOMM's Bus Management solution is the most comprehensive, open, scalable and reliable bus management solution on the market today. By combining reliable in-cab devices based on Android, the BT 500 hardware platform and powerful back-end reporting from FleetManager, ORBCOMM's solution helps you achieve higher ROI by improving compliance, driver performance, fleet safety, operational efficiency and workforce productivity.

MULTI-NETWORK CONNECTIVITY • HARDWARE SOLUTIONS • IoT APPLICATIONS

# Adhere to Drivers' Hours

ORBCOMM provides the most comprehensive, driver-friendly Tachograph Management solution on the market. Loved by both drivers and dispatchers, it includes automated downloads of drivers' cards, real-time information on all driver working hours and end-to-end infringement reporting, which eliminates the need for third-party software.

## **Access in-depth live data**

View accurate, live and up-to-date working hours remaining for each driver. ORBCOMM's TachoVision feature calculates complex compliance data live – so dispatchers can keep track of drivers' hours. TachoVision calculates weekly rest compensation, how much time needs to be compensated for, when the time needs to be taken by, how many extended driving days are available, and duration of upcoming daily or weekly rest periods.

## **Live view of working hours**

Immediately view live, accurate and up-to-date drivers' hours information. ORBCOMM's solution downloads the drivers' card information on insertion and calculates their remaining hours before a break or when they are due to finish for the day.

## **Instant data analysis**

ORBCOMM's Tachograph Management solution can be configured to download the card each time a driver inserts it or at set intervals. Supporting both Gen 1 and Gen 2 tachographs, downloads can also be made through a card reader in the back office.

## **Comprehensive information**

Instantly access a live view of each driver's working time, driving time, waiting time, rest times and periods

of availability through FleetManager. Greater access to vehicle activities and location data allows driver managers to discuss infringements in detail and explain how they can be avoided in the future.

## **Driver infringement letters and reports**

Generate full driver infringement reporting quickly with leave letters and calendar controls. ORBCOMM's solution removes the need to send your data for third-party processing and analysis.

## Enhance both fleet and driver safety

Our proven safety solutions keep your transport fleet's assets and reputation protected, while improving bus driver safety, by correcting unsafe driving behaviours that lead to accidents, fines or higher insurance risks.

## **Driver performance scoring**

Give live, on-board driver scoring, feedback and coaching to drivers. Scoring is measured across three categories; safety, compliance and driving performance. All advice for the driver is customisable by the fleet's driver trainer. Simple colour-based scoring and peer comparison highlight areas for improvement.

The screenshot displays a fleet management dashboard. On the left, a map shows a route in Croatia with a pop-up for vehicle RW-BF272. On the right, a 'Vehicle Grid' table lists various vehicles with their status and metrics.

Type	Vehicle	Country	Igniti...	Moving	Speed	Dwell	Fuel ...	Time	Odo...	Status
	RW-BF280	España (mare t...			12	-	40.8	3:41 PM	191,929	
	RW-BF240	Deutschland			3	-	81.6	3:41 PM	388,989	
	RW-BF281	Italia			0	-	100.0	3:41 PM	159,374	
	RW-BF274	Italia			0	36 m	62.4	3:41 PM	289,765	
	RW-BF267	Deutschland			101	-	-	3:40 PM		
	RW-BF2700	España			73	-	46.4	3:39 PM	237,328	
	RW-BF275	Italia			25	-	56.8	3:39 PM	339,319	
	RW-BF273	España			0	11 m	48.0	3:37 PM	250,024	
	RW-BF272	Hrvatska			0	-	54.4	3:37 PM	239,145	
	RW-BF277	Deutschland			81	-	-	3:36 PM	355,325	
	RW-BF276	ElMadoa			0	1 d	76.0	3:35 PM	246,015	
	RW-BF282	Deutschland			0	6 h	90.0	3:33 PM	486,314	
	RW-BF278	Malta			0	1 h	85.2	3:32 PM	129,976	
	RW-BF271	Italia			0	22 h	0.4	3:28 PM	183,581	

Fleet information, mapping, driver messaging, jobs and workflow.

## Electronic DVIR

Complete driver vehicle inspection reports at the push of a button. Be prepared for roadside inspections, with rapid completion and access online and offline to the vehicle's report status.

## Safety reporting and analysis

Determine how a driver is operating the vehicle and assign a safety rating. Drivers are scored and compared across safety data points such as anticipation, harsh braking, over-speeding and hard cornering. In-depth, intuitive reporting compares drivers and drills down to incidents for near-miss reporting or accident reconstruction.

## Bus-specific navigation

Bus-specific navigation selects safe and optimal routes based on vehicle height, weight and length restrictions to get drivers to their destinations. We partner with Garmin, TomTom and ALK to ensure you have the choice of system that suits you best.

## Scheduled reporting

Stay on top of key fleet metrics on a regular basis without having to manually run reports. Users can receive PDF or Excel reports directly over any specified timeframe or schedule summary reports to selected staff on a daily, weekly or monthly basis.

## Improve customer satisfaction with better productivity

ORBCOMM's productivity features enhance driver and customer communications and workflow. Choose the

right asset for the job, assign it to where it is needed and match it to the right driver. The results include better asset utilisation, fewer empty miles and reduced overtime costs.

## Driver messaging

Improve communication between drivers and the office. Design custom data entry forms, customisable form messages and workflow, and use text-to-speech functionality for additional safety. Send messages to specific vehicles in your fleet. Messages marked as urgent create audible notifications from the in-cab device to the driver.

## Automated workflow

Easily create, edit, and send jobs to drivers on the road. Schedule a driver's work for the day. The system automatically guides the driver through their working day. Auto-arrive forms display on reaching a destination to deliver instructions for that location.

## Media portal

Send important documents, training guides, videos and images to drivers' devices. The secure in-cab viewer means that drivers can't copy or share any of the content. Send files to an individual device or group of devices, and schedule when files are distributed and when they expire.

## In-cab scanning

Enable drivers to scan documents, capture signatures and take vehicle images with their in-cab device. Auto edge-detection and enhancements ensure image results are high-resolution, clear and readable.

# Make inroads into fleet efficiency

ORBCOMM's platform helps reduce operating and maintenance costs, improve utilisation, and mitigate financial risks through real-time asset management and cargo visibility, reduced risk of fuel loss and preventive maintenance.

## Live tracking and asset management

Live views show vehicle location and status information including driver name, drive time remaining, fuel level and more. Comprehensive reporting gives total visibility including stop details, trip information and route replay. Monitor fleet efficiency against predefined KPIs.

## Advanced fuel management

Protect against fuel theft with our Fuel Auditor. It compares actual fuel burned to fuel purchased over any period. Monitor fuel down to the last litre and receive alerts of any discrepancies between the two figures. The Fuel Auditor also records fuel tank levels every five minutes to detect fill and extraction events together with the time, date and location of each event.

## Maintenance planner

Schedule services and inspections based on time elapsed (e.g. every six months) or distance. The Maintenance Planner will automatically advise when services are due, when they are overdue and schedule the next service once completed.

# Data, analysis and insight from FleetManager

FleetManager is ORBCOMM's cloud-based data analytics and reporting platform – with unrivalled customisation, powerful search, multi-user management, advanced mapping, and more.

## Categorise your data, your way

Categorise your data in as many ways as you require. Organise your information with driver, vehicle or depot locations – or add any new categories that make sense for your fleet.

## Advanced mapping

Become more productive with features like finding nearby vehicles by driver, vehicle or location. Turn on and off locations or location categories, and easily set up geo-fences.

## Enhanced configurability

Utilise different permissions for different levels of users. Decide what information users and groups can see and control, with functionality to suit beginner, advanced or power users.

## Intelligent search

Get advanced data mining capabilities with FleetManager's powerful, intelligent search options. Search across drivers, vehicles, locations, depots or other categories you create.

## Data integration

ORBCOMM's platform has been designed with fleet software integration in mind. By exploring the flexibility in our platform and deployment architecture, fleet managers can easily access, deploy and integrate our critical business data into other transport management systems and mobile devices.

# Powered by the BT 500

The BT 500 hardware platform which powers the bus management solution is designed and engineered in-house. The advanced platform is future-proofed for many years through a range of communications interfaces, storage and connectivity options. Based on Android, ORBCOMM's hardware platform provides Wi-Fi, Bluetooth and OR connectivity and full support for 4G.

Contact us today at [sales@orbcomm.com](mailto:sales@orbcomm.com) to see how our complete, integrated transportation and logistics solutions portfolio can enhance the way you do business.



ORBCOMM is a global leader and innovator in the industrial Internet of Things, providing solutions that connect businesses to their assets to deliver increased visibility and operational efficiency. The company offers a broad set of asset monitoring and control solutions, including seamless satellite and cellular connectivity, unique hardware and powerful applications, all backed by end-to-end customer support, from installation to deployment to customer care. ORBCOMM has a diverse customer base including premier OEMs, solutions customers and channel partners spanning transportation, supply chain, warehousing and inventory, heavy equipment, maritime, natural resources, and government. For more information, visit [www.orbcomm.com](http://www.orbcomm.com)