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Omnitracs MK10-US6GY-1010

Omnitracs Intelligent Vehicle Gateway (IVG) Master Pack User Manual

Model: MK10-US6GY-1010

1. INTRODUCTION

The Omnitracs Intelligent Vehicle Gateway (IVG) is a next-generation telematics solution designed to support the Omnitracs suite of applications. It serves as a single application-enabling platform, reliably scaling for future needs and ensuring compliance with ELD (Electronic Logging Device) mandates. This manual provides essential information for the proper installation, operation, and maintenance of your IVG device.

Important Account Requirement

An Omnitracs Portal account is required for this device to function. Upon purchase, customers will be contacted for an existing Omnitracs account number or to set up new service. A one-time setup fee applies per customer, plus an additional fee for each vehicle registered.

2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these guidelines may result in damage to the device, vehicle, or personal injury.

- Ensure the vehicle's power is disconnected before beginning installation to prevent electrical hazards.
- Install the device in a location that does not obstruct the driver's view or interfere with vehicle controls.
- Secure all cables to prevent interference with vehicle operation and to avoid damage.
- Do not attempt to open or modify the IVG unit. Refer all servicing to qualified personnel.
- While driving, prioritize road safety. Use the Intelligent Voice Interface responsibly to minimize distractions.

3. PACKAGE CONTENTS

Verify that all items are present in your Omnitracs IVG Master Pack:

- Omnitracs Intelligent Vehicle Gateway (IVG) Unit
- 6-Pin Power Cable (Type I harness)

- Mounting Hardware (brackets, screws)



Back view of the Omnitrac's IVG unit, displaying its product label and screw mounting points. This is the main unit of the Intelligent Vehicle Gateway system.



Included mounting hardware for the IVG unit, consisting of a gray mounting bracket, a black swivel arm mount, and a bag of various screws for secure installation.



The 6-pin power cable harness, featuring multiple wires and connectors designed for vehicle integration and power supply to the IVG unit.

4. SETUP AND INSTALLATION

The Omnitrac's IVG is designed for a simplified installation process, typically taking under 30 minutes.

4.1 Pre-Installation Checklist

- Ensure you have an active Omnitrac's Portal account.
- Gather all necessary tools (e.g., screwdriver, wire cutters, zip ties).
- Identify a suitable mounting location in the vehicle that is secure, provides clear visibility of the screen, and does not interfere with vehicle operation or safety features.

4.2 Mounting the IVG Unit

1. Attach the mounting bracket to the IVG unit using the provided screws.
2. Secure the entire assembly to the chosen location in the vehicle using appropriate fasteners. Ensure the mount is stable and can withstand vehicle vibrations.

4.3 Connecting the Power Cable

1. Locate the vehicle's diagnostic port (typically a 6-pin connector).
2. Connect the 6-pin power cable harness to the vehicle's diagnostic port. Ensure a secure and snug fit.
3. Route the cable safely away from moving parts, heat sources, and areas where it could be pinched or damaged. Use zip ties to secure the cable.
4. Connect the other end of the power cable to the IVG unit.



A hand demonstrating the 6-pin vehicle diagnostic connector, which is part of the power cable harness for the IVG unit.



Another perspective of a hand holding the 6-pin vehicle diagnostic connector, highlighting its design for secure connection to the vehicle's system.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The IVG unit typically powers on automatically when the vehicle's ignition is turned on. To power off, follow the on-screen prompts or turn off the vehicle's ignition.

5.2 User Interface Navigation

The IVG features an 8-inch diagonal, 1024 x 600 resolution, resistive touchscreen display with an intuitive, modern interface. Navigate through menus and applications by touching the screen.

5.3 Key Features and Functions

- **Intelligent Voice Interface:** Enables hands-free access to key information and commands, reducing driver distractions.
- **Intuitive Message Notifications:** Designed to provide clear and concise alerts without overwhelming the driver.
- **Connectivity:** Supports Wi-Fi and terrestrial web browsing. Features Bluetooth 3.0 for connecting scanners, printers,

and other accessories.

- **Mobile Wi-Fi Hotspot:** Capability to create a mobile Wi-Fi hotspot (service plan dependent).
- **USB Ports:** Two USB ports are available for connecting external devices.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your IVG unit.

- **Cleaning:** Use a soft, damp cloth to clean the touchscreen and exterior. Avoid abrasive cleaners or solvents.
- **Software Updates:** The IVG platform is designed to scale application needs. Ensure your device's software is kept up-to-date through the Omnitracs Portal to access the latest features and improvements.
- **Cable Inspection:** Periodically inspect all connected cables for signs of wear or damage. Replace any damaged cables immediately.

7. TROUBLESHOOTING

If you encounter issues with your Omnitracs IVG, try the following steps before contacting support:

- **Device Not Powering On:** Check all power cable connections to ensure they are secure. Verify the vehicle's ignition is on.
- **No Network Connectivity:** Ensure the vehicle is in an area with cellular coverage. Check Wi-Fi settings if attempting to connect to a local network.
- **Touchscreen Unresponsive:** Perform a soft reset of the device if possible (refer to on-screen options or Omnitracs support documentation). Ensure the screen is clean and free of debris.
- **Application Issues:** Ensure the device's software is up-to-date. Restart the application or the entire device.

For persistent issues or problems not covered here, please contact Omnitracs customer support.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	MK10-US6GY-1010
Item Weight	2.3 Pounds
Product Dimensions	8.8 x 1.5 x 6.8 inches
Display Size	8 Inches
Display Resolution	1024x600
Voice Command Activation	Touchscreen or Voice Interface
Connectivity Technology	Wi-Fi, Bluetooth 3.0, 3G/EVDO, 4G/HSPA
Operating System	HTML5 Compliant, Windows Embedded Compact 2013
Storage	32GB via Micro SD port

Feature	Specification
Ports	Two USB ports
Special Features	Mobile Hotspot Ready, Built-in Microphone
UPC	818886020223

9. WARRANTY AND SUPPORT

Services for the Omnitrac's IVG are provided pursuant to the terms of Omnitrac's standard End User Agreement. Omnitrac contracts directly with End User Customers for services.

For new customers, an Omnitrac Portal account setup is required. Existing customers should contact their Designated Omnitrac Sales Representative for any service or support inquiries related to their IVG device.

For detailed warranty information and technical support, please refer to your End User Agreement or visit the official Omnitrac support website.