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Acumen Track Z1

Generic Track Z1 4G Dash Cam User Manual

Model: Acumen Track Z1

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Generic Track Z1 4G Dash Cam. Designed for vehicle security and fleet management, this device offers 1080p Full HD video recording, 4G connectivity, and advanced GPS tracking capabilities. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

Product Overview

Components Included

- Dash Cam Unit
- GPS Tracker
- Mounting Bracket
- Power Cable
- User Manual

Key Features

- **1080p Full HD Video Recording:** Captures clear video footage.
- **4G Connectivity:** Enables remote live video streaming and data transmission.
- **Dual GPS & BDS Positioning:** Provides precise real-time location tracking and path replays.
- **Mobile Application Control:** Manage settings, view live location, monitor speed, and communicate via two-way audio.
- **G-Sensor Crash Detection:** Automatically detects collisions and triggers alerts.
- **SOS Functionality:** Allows for emergency alerts.
- **Two-Way Audio:** Communicate with the driver from the mobile app.
- **Ignition Detection:** Provides alerts related to vehicle ignition status.



Image 1: The Track Z1 Dash Cam shown alongside a smartphone displaying its companion application interface, including a live map and a view of the car's interior from the dash cam.

Setup Guide

1. Prepare for Installation

- Ensure the vehicle's engine is off.
- Select a suitable location on the windshield that does not obstruct the driver's view.

2. Insert SIM Card and Memory Card

- Locate the SIM card slot and microSD card slot on the dash cam unit.
- Insert a compatible 4G SIM card (not included) into the SIM slot. Ensure it is activated and has a data plan.
- Insert a compatible microSD card (up to 32GB, not included) into the memory card slot. It is recommended to use a

Class 10 or higher card.

3. Mount the Dash Cam

- Attach the mounting bracket to the dash cam unit.
- Clean the chosen area on the windshield.
- Securely attach the dash cam with its bracket to the windshield.

4. Connect Power

- Connect the provided power cable to the dash cam unit.
- Route the cable neatly along the windshield and dashboard to a 12V power outlet (cigarette lighter socket) or a dedicated fuse box connection (professional installation recommended for fuse box connection).
- Plug the power cable into the vehicle's power source.

5. Install Mobile Application

- Download the dedicated companion application from the Apple App Store (for iOS devices) or Google Play Store (for Android devices). Search for "Acumen Track" or refer to the QR code in the packaging for direct download.
- Install the application on your smartphone.

6. Initial Configuration and Pairing

- Turn on your vehicle's ignition to power the dash cam.
- Open the installed mobile application.
- Follow the on-screen instructions to register an account and add your device. This typically involves scanning a QR code on the device or entering its unique ID.
- Once paired, verify that the dash cam is connected and displaying live video feed and GPS data within the app.



Image 2: The Track Z1 Dash Cam unit positioned beside a smartphone, illustrating the device's compact size and its integration with the

mobile tracking application.

Operating Instructions

Live Video Streaming

- Open the mobile application and select your device.
- Tap on the "Live Video" or "Monitor" option to view real-time 1080p Full HD footage from your dash cam.

GPS Tracking and Location Services

- The app's main interface displays the current location of your vehicle on a map (Google Maps).
- To view past routes, select the "Path Replay" or "History" function within the application and choose a date range.
- Real-time speed monitoring is also available on the app interface.

Two-Way Audio Communication

- Within the live view or device control section of the app, locate the microphone icon.
- Press and hold the icon to speak through your phone, and the audio will be transmitted to the dash cam's speaker.
- The dash cam's built-in microphone will capture audio from inside the vehicle, which can be heard through the app.

Safety Alerts and Notifications

- **G-Sensor Crash Alert:** The device automatically detects sudden impacts or collisions. An alert will be sent to your mobile application.
- **SOS Functionality:** If the dash cam has a physical SOS button (check device for details), pressing it will send an emergency alert to pre-configured contacts via the app.
- **Ignition Detection:** Receive notifications when the vehicle's ignition is turned on or off.
- Configure alert preferences within the mobile application settings.

Maintenance

Memory Card Management

- Regularly format the microSD card (e.g., monthly) through the mobile application settings to ensure optimal performance and prevent data corruption.
- Replace the microSD card if you experience frequent recording errors or data loss.

Cleaning the Device

- Use a soft, dry cloth to clean the dash cam lens and body.
- Do not use abrasive cleaners or solvents, as they may damage the device.

Software Updates

- Check the mobile application periodically for available firmware updates for your dash cam.
- Follow the in-app instructions carefully to perform any updates.

Troubleshooting

Device Not Powering On

- Ensure the power cable is securely connected to both the dash cam and the vehicle's power source.
- Check the vehicle's 12V power outlet or fuse for proper function.

No Live Video or GPS Data in App

- Verify that the 4G SIM card is correctly inserted, activated, and has an active data plan.
- Ensure your smartphone has a stable internet connection.
- Check the dash cam's signal strength indicators (if available) or within the app.
- Restart both the dash cam (by cycling vehicle ignition) and the mobile application.

Recording Errors or Corrupted Files

- Format the microSD card through the app.
- Ensure you are using a high-quality microSD card (Class 10 or higher).
- Replace the microSD card if the issue persists.

Inaccurate GPS Location

- Ensure the dash cam has a clear view of the sky for optimal satellite reception. Avoid mounting it under metallic tints or other obstructions.
- Allow a few minutes for the device to acquire a stable GPS signal after powering on.

Specifications

Feature	Detail
Model Name	Acumen Track Z1
Resolution	1080p Full HD
Connectivity Technology	4G, BDS, GPS, Wi-Fi
Supported Satellite Navigation System	BeiDou, GPS
Map Type	Google Maps
Audio Output Mode	Two-way Audio
Mounting Type	Windshield Mount
Compatible Operating Systems	Android, iOS
Memory Storage Capacity	Up to 32 GB (microSD, microSDHC, microSDXC)
Display Type	No Built-in Display (app-based Interface)
Control Method	App, Push Button
Item Dimensions (L x W x H)	7.5L x 6W x 6H centimetres
Item Weight	150 Grams
Country of Origin	China

Warranty Information

The Generic Track Z1 4G Dash Cam comes with a**2-year limited warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.
Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the product packaging or contact customer support.

Customer Support

If you encounter any issues or have questions regarding your Generic Track Z1 4G Dash Cam that are not addressed in this manual, please contact your retailer or the manufacturer's customer support. You may find contact information on the product packaging or the official website of the manufacturer, Acumen Track.
When contacting support, please have your product model (Acumen Track Z1) and purchase details ready.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question