

MasTrack MT-121

MasTrack Hardwired Live GPS Tracker

Model: MT-121

PRODUCT OVERVIEW

The MasTrack MT-121 is a compact, hardwired GPS tracking device engineered for reliable, real-time location monitoring of various vehicles, including cars, trucks, fleet vehicles, and heavy machinery. This device offers robust features for enhanced security, operational efficiency, and driver management. It requires a monthly subscription for service.



This image illustrates the MasTrack MT-121 hardwired GPS tracker alongside a smartphone displaying ignition alerts and a computer monitor showing a detailed map with vehicle tracking history and current location points.

SETUP AND INSTALLATION

The MasTrack MT-121 is designed for simple 3-wire installation, which can typically be completed by an amateur or professional in less than 30 minutes. No external antennas or drilling are required. The device is covert and can be easily hidden within the vehicle.

Installation Steps:

1. **Identify Power Sources:** Locate a constant 12V power source, an ignition-switched 12V power source, and a reliable ground point within your vehicle's electrical system. Consult your vehicle's wiring diagram if unsure.
2. **Connect Wires:** Connect the red wire from the MasTrack device to the constant 12V power source. Connect the white wire to the ignition-switched 12V power source. Connect the black wire to the vehicle's chassis ground. Ensure all connections are secure and properly insulated.
3. **Secure Device:** Once wired, secure the MasTrack device in a discreet location within the vehicle, away from direct heat or moisture. Ensure it is not obstructed by metal, which could interfere with GPS signal reception.

4. **Verify Operation:** After installation, verify the device is receiving power and transmitting data by logging into your MasTrack web portal or mobile app to confirm live tracking.





Mobile App & Tracking Portal



Report	Date/Time	Location	Speed	Direction
32	04/25/18 08:25AM	Taconic State Parkway, Chappaqua NY 10514	SW	65.8 mph
33	04/25/18 08:25AM	Taconic State Parkway, Briarcliff Manor NY 10510	S	60.1 mph
34	04/25/18 08:27AM	Taconic State Parkway, Briarcliff Manor NY 10510	S	60.0 mph
35	04/25/18 09:20AM	Taconic State Parkway, Pleasantville NY 10570	SE	58.4 mph
36	04/25/18 08:29AM	Taconic State Parkway, Pleasantville NY 10570	SE	58.4 mph
37	04/25/18 09:30AM	Taconic State Parkway, Hawthorne NY 10522	SE	55.9 mph

Simply log into the web portal and view live or historical GPS tracking at any time. Access tracking from Computers, Smartphones, Tablets, or other web enabled devices. There is no limit on how often you can view your trips.

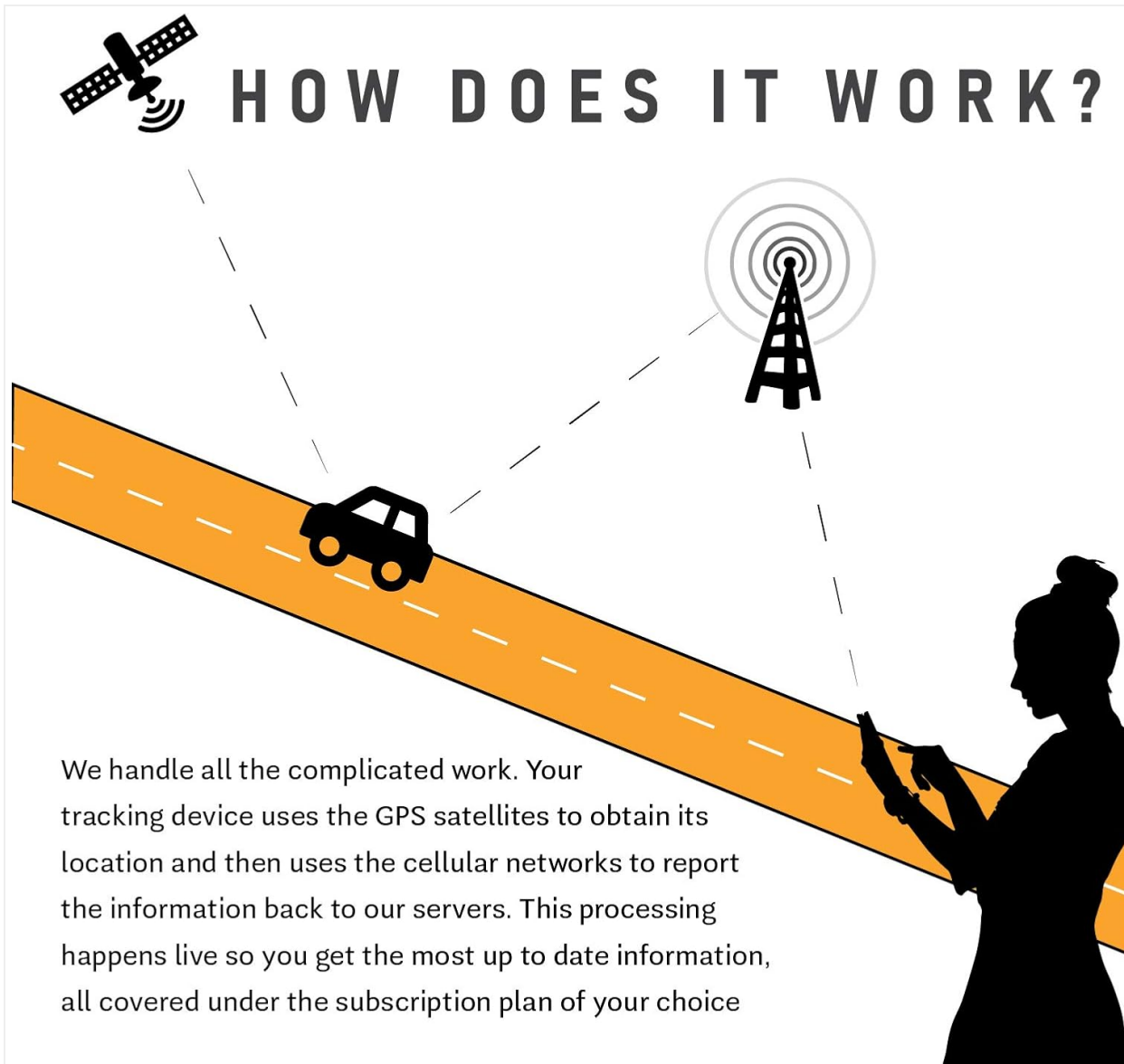
A detailed view of the MasTrack MT-121 GPS tracker, highlighting its compact design and the multi-colored wiring harness used for hardwired installation into a vehicle's electrical system.

OPERATING INSTRUCTIONS

The MasTrack MT-121 provides live GPS tracking and comprehensive reporting accessible via a web portal and mobile applications.

Accessing Tracking Data:

- **Web Portal:** Log in to the MasTrack web portal from any computer or web-enabled device. The portal provides a detailed map interface for live tracking, historical trip data, and report generation.
- **Mobile App:** Download the MasTrack mobile application (available on Android and iOS) for convenient tracking on your smartphone or tablet.



This image displays the user interface of the MasTrack mobile application on two smartphones and the web-based tracking portal on a computer monitor, demonstrating the accessibility of live and historical tracking data across different devices.

Key Features and Alerts:

- **Live Map Updates:** View your vehicle's location in real-time with updates as frequent as every 1 minute.
- **Unlimited Reporting:** Access detailed reports on vehicle activity, including mileage, speed, and stop times.
- **Alert Notifications:** Configure various alerts, such as speed alerts, geofence entry/exit, ignition on/off, harsh braking, rapid acceleration, and tow alerts. Notifications can be sent via email or text message.
- **Trip Replay:** Review past trips on the map to analyze routes taken and events that occurred.

This video demonstrates the 'Trip Replay' feature of the MasTrack Live GPS tracking system, allowing users to review past routes and vehicle movements on a map interface.



A conceptual diagram showing the operational flow of the MasTrack GPS system, from satellite signal reception by the vehicle tracker to data transmission via cellular networks to the user's device.

MAINTENANCE

The MasTrack MT-121 is designed for minimal maintenance. As a sealed electronic device, it does not require user-level servicing or part replacement. To ensure optimal performance and longevity:

- Keep the device clean and free from dust or debris.
- Ensure the installation area remains dry and protected from extreme temperatures.
- Periodically check the wiring connections to ensure they remain secure and free from corrosion.

No specific software updates or battery replacements are typically required by the end-user. Any necessary firmware updates are usually performed remotely by MasTrack.

TROUBLESHOOTING

If you encounter issues with your MasTrack MT-121, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
No GPS Signal / Inaccurate Location	Device obstructed by metal; poor cellular coverage; device not powered.	Ensure device is not covered by metal. Verify strong 4G cellular signal in the area. Check power connections.
Device Not Reporting	Power disconnected; cellular network issue; subscription inactive.	Check all 3-wire connections. Confirm 4G cellular network availability. Verify active MasTrack subscription.
Alerts Not Received	Alert settings incorrect; incorrect contact information.	Log into the web portal/app and review alert configurations. Ensure email and phone numbers for notifications are correct.

Problem	Possible Cause	Solution
Device Making Noise / Has Lights	Some devices may have subtle indicators or sounds for driver behavior.	By default, devices are silent. If noise or bright lights are an issue, contact MasTrack support for options. Lights can often be covered without affecting service.

If these steps do not resolve the issue, please contact MasTrack customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Product Dimensions	2 x 1 x 1.8 inches (50.8 x 25.4 x 45.7 mm)
Item Weight	2 ounces (56.7 grams)
Model Number	MT-131 (also referred to as MT-121)
Batteries	1 Lithium Ion battery required (internal backup)
Connectivity Technology	Cellular (utilizes major cellular networks)
Operating Voltage	8V to 32V DC
Operating Temperature	-22°F ~ 140°F (-30°C ~ 60°C)
Digital Input	One positive trigger input for ignition detection
Digital Output	One digital output, open drain, 150 mA max drive current
Antennas	Internal Cellular, Internal GNSS
LED Indicators	CEL, GNSS

WARRANTY INFORMATION

For specific warranty terms and conditions regarding your MasTrack MT-121 device, please refer to the documentation included with your purchase or visit the official MasTrack website. Warranty coverage typically addresses manufacturing defects and hardware malfunctions under normal use. Keep your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For any questions, technical assistance, or service inquiries, please contact MasTrack customer support. Their team is available to help with installation, account management, troubleshooting, and feature utilization.

- **Online Support:** Visit the official MasTrack website for FAQs, support articles, and contact forms.
- **Phone Support:** Refer to your product packaging or the MasTrack website for direct phone support numbers.
- **Amazon Store:** You can also visit the [MasTrack Store on Amazon](#) for additional product information and support resources.

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