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iGPSPORT BiNavi

iGPSPORT BiNavi GPS Bicycle Computer User Manual

Model: BiNavi

Introduction

The iGPSPORT BiNavi is a high-performance GPS bicycle computer designed to enhance your cycling experience with advanced navigation, precise data tracking, and smart connectivity. This manual provides detailed instructions for setting up, operating, and maintaining your device.

Setup

1. What's in the Box

Verify that all components are present in your package:

- 1 x BiNavi Bicycle Computer
- 1 x Protective Rubber Sleeve
- 1 x Rubber Pad
- 1 x User Manual
- 2 x Elastic Bands
- 1 x Handlebar Mount
- 1 x USB-C Charging Cable
- 1 x Tempered Glass Screen Protector
- 1 x Anti-fall Lanyard

Image: Package contents of the iGPSPORT BiNavi, showing the bicycle computer, protective sleeve, handlebar mount, USB-C cable, lanyard, and user manual.

2. Charging the Device

Before first use, fully charge the BiNavi. Connect the provided USB-C cable to the device and a power source. A full charge takes approximately 1.5 hours and provides up to 35 hours of battery life.

Image: The iGPSPORT BiNavi device screen showing navigation data and a prominent '35h' graphic, illustrating its extended battery life.

3. Mounting the Device

Attach the handlebar mount to your bicycle using the elastic bands. Securely place the BiNavi onto the mount until it clicks into place. Ensure the device is firmly attached before riding.

4. Initial Power On and Pairing

Press and hold the power button to turn on the device. Follow the on-screen instructions to select your language and initial settings. Download the iGPSPORT app on your smartphone and pair the BiNavi via Bluetooth for full functionality and data synchronization.

Operating Instructions

1. Display and Interface

The BiNavi features a 3.5-inch transflective touch display, offering clear visibility even in direct sunlight. Navigate through menus and data screens using the touchscreen or physical buttons.

Image: The iGPSPORT BiNavi bicycle computer mounted on a handlebar, showcasing its 3.5-inch transflective touch display with cycling metrics. A comparison graphic highlights its slim 14.5mm thickness.

For improved readability, activate the Large Character Mode to display essential cycling data in an easily viewable format.

Image: A side-by-side comparison of the iGPSPORT BiNavi display, demonstrating the 'Large Characters' mode for enhanced visibility of data like heart rate, distance, and recovery time.

2. GPS Positioning and Navigation

The BiNavi supports dual-band GPS (L1+L5) and five satellite systems (GPS, Beidou, Galileo, GLONASS, QZSS) for high-precision positioning. It integrates APGS (Assisted Predictive GPS) for rapid and accurate location acquisition, even in challenging environments.

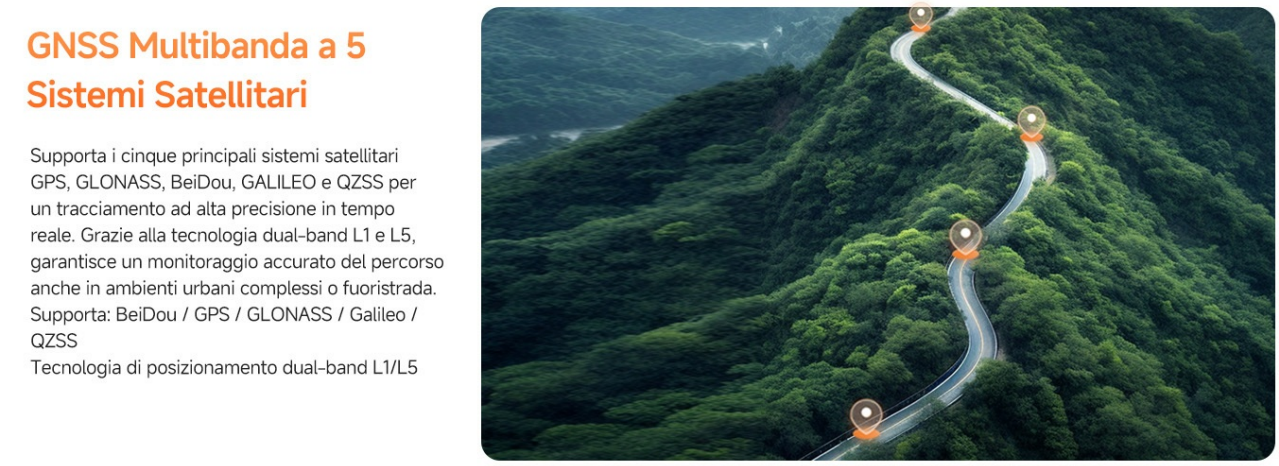


Image: An aerial view of a winding road through lush green mountains, overlaid with GPS tracking points, demonstrating the BiNavi's multi-band GNSS and high-precision satellite tracking capabilities.

One-Touch Navigation

Pre-set frequent destinations in the iGPSPORT app and send them to your BiNavi with a single tap to start navigation instantly. This feature is ideal for routes under 100 km.

Image: A cyclist interacting with a smartphone app to plan a route, which is then transferred to the iGPSPORT BiNavi mounted on the handlebars, illustrating the one-touch navigation feature.

Off-Route Recalculation

If you deviate from your planned route, the BiNavi automatically generates optimal corrective paths to guide you back to the original track. The navigation algorithm displays the route in real-time with multi-color visualization.

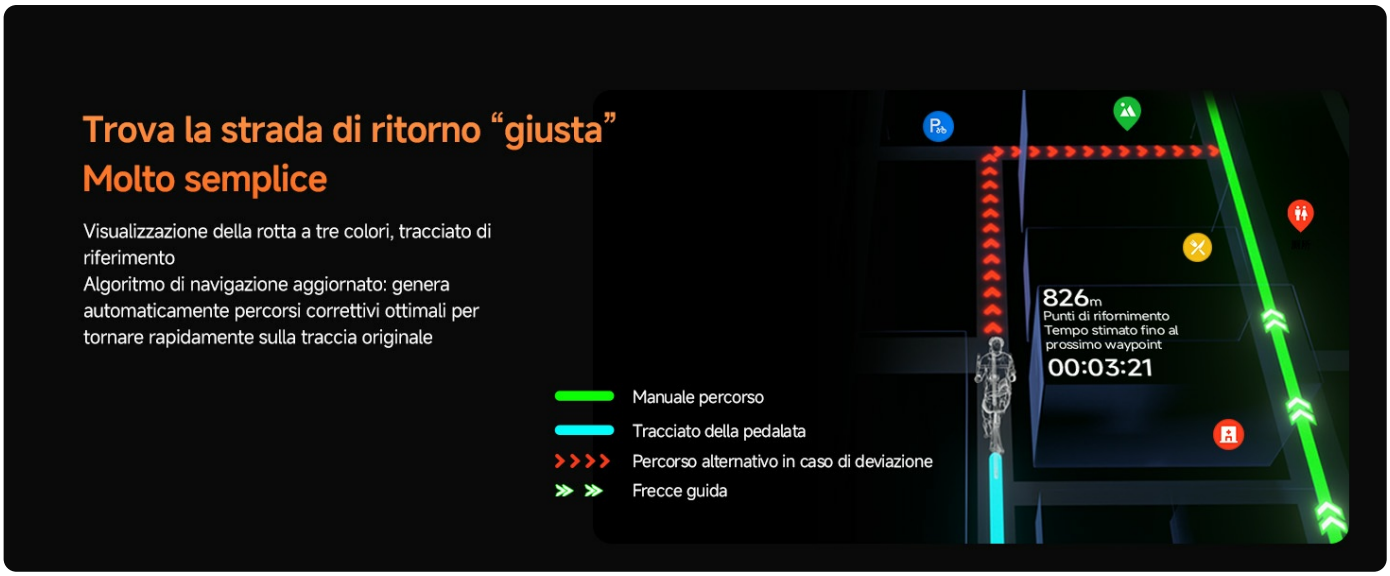


Image: A detailed map display on the iGPSPORT BiNavi, showing a cyclist's position, an original route, and a dynamically generated alternative path for off-route recalculation, with a legend explaining the color codes.

Turn Alerts

The device provides advanced turn alerts, predicting speed for gentle curves and giving clear warnings for sharp turns. Alerts appear and flash based on your direction of travel, ensuring safe and smooth cornering.

Image: A comparison showing the iGPSPORT BiNavi's advanced turn alerts with precise distance and a 99.9% curve recognition rate, contrasted with a generic cycle computer's simpler alert.

3. iClimb Pro - Elevation Planning

iClimb Pro uses an advanced gradient classification algorithm to optimize your pedaling rhythm based on the route, scientifically managing your energy. It includes a climb preview for return routes, allowing quick planning. Climb sections are overlaid directly onto the map for intuitive visualization.

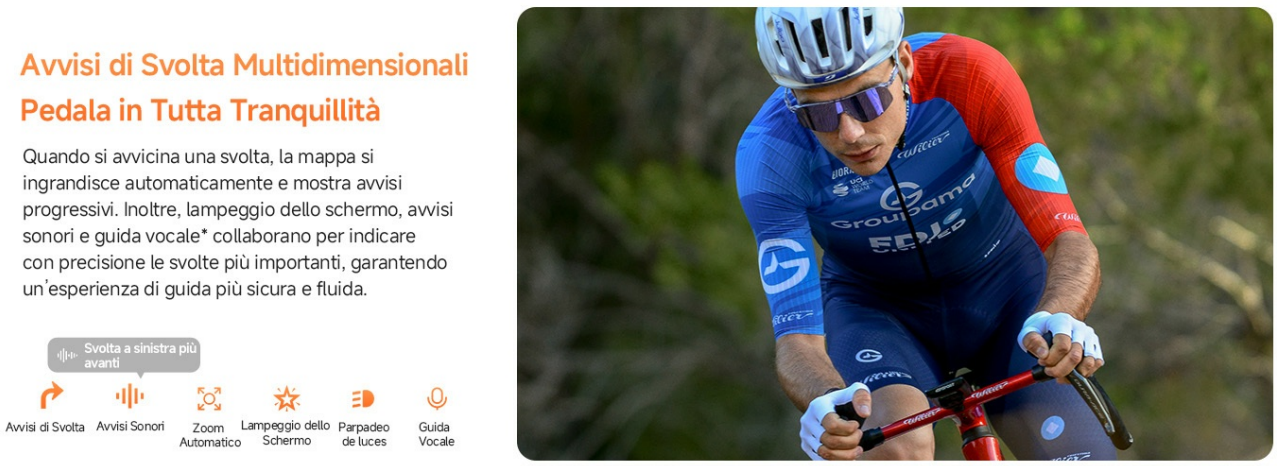


Image: The iGPSPORT BiNavi screen showing the iClimb Pro feature, with an elevation profile overlaid on a map, indicating gradients with a color-coded scale and displaying real-time speed and incline data.

4. Activity Tracking and Data Recording

The BiNavi offers intelligent movement detection, automatically recognizing when you start pedaling and recording data. It also supports ride continuity, allowing you to pause and resume recording without losing data, even on long journeys.

Image: A cyclist taking a break, with the iGPSPORT BiNavi displaying 'Activity Resume' and 'Movement Detected' prompts, highlighting its ability to prevent data loss during pauses.

The device monitors real-time aerobic/anaerobic activity, training load, and endurance. It provides detailed fitness analysis, including VO2Max, FTP, and MAP, to help you optimize training and track progress.

Ciclismo in Tempo Reale Monitoraggio della Forma Fisica

Monitora in tempo reale attività aerobica/anaerobica, carico di allenamento e resistenza durante la pedalata. Visualizza i dati chiave su un'interfaccia personalizzabile per ottimizzare la distribuzione delle energie. In combinazione con il sensore di frequenza cardiaca, fornisce dati più precisi e analisi approfondite.

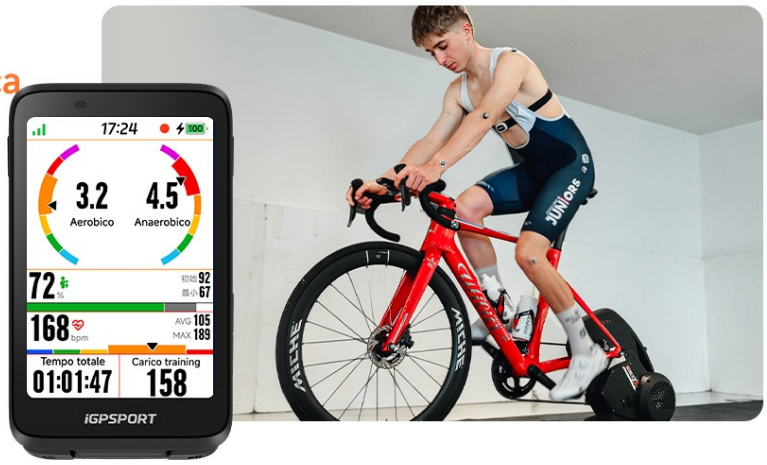


Image: The iGPSPORT BiNavi screen showing real-time cycling fitness data, including aerobic and anaerobic zones, heart rate, and total training load, with a cyclist on a stationary bike in the background.

Monitor your current recovery status based on residual energy and recovery time since your last workout.

Monitoraggio del Recupero Fisico

Monitora in tempo reale il tuo stato di recupero attuale in base all'energia residua e al tempo di recupero dall'ultimo allenamento.

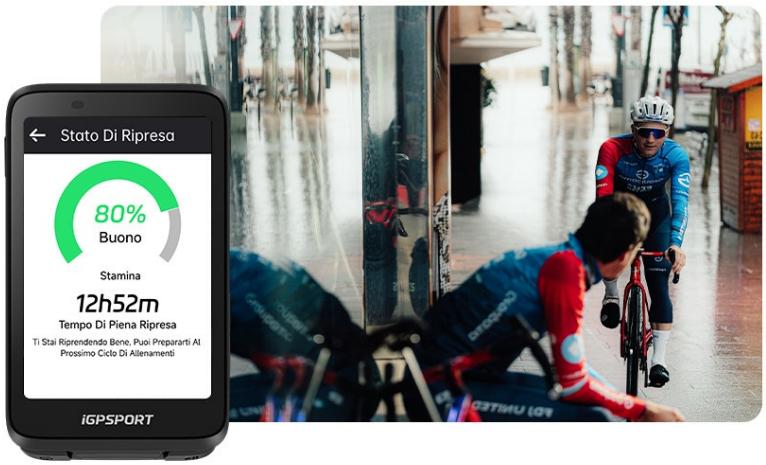


Image: The iGPSPORT BiNavi screen displaying 'Physical Recovery Monitoring' with an 80% 'Good' status and remaining recovery time, with cyclists in the background.

Assess your current condition based on training load and fitness trends over the last 7 days to achieve peak performance.

Prodotto	BiNavi 239.99€	BiNavi Air 189.99€
Dimensione dello schermo	3,5 pollici	3,0 pollici
Risoluzione dello schermo	320x480	240 × 400
Tipo di display	Touchscreen a colori	Touchscreen a colori
Dimensioni del dispositivo (senza supporto)	101×60×14,5 mm	91,2 × 51,3 × 13,8 mm
Peso	103 g	77 g
Numero di pulsanti	6 pulsanti	6 pulsanti
Lingue supportate	Supporto multilingue	Supporto multilingue
Capacità della batteria	1250 mAh	1020 mAh
Tempo di ricarica	Circa 1,5 ore	Circa 1,5 ore
Autonomia della batteria (uso continuo)	Oltre 35 ore	Oltre 30 ore
Porta USB	Type-C	Type-C
Memoria integrata	32 GB	32 GB
Grado di impermeabilità	IPX7	IPX7
Sistema GPS	GNSS COMPLETO + GPS a doppia banda (L1+L5)	GNSS completo + GPS a doppia banda (L1+L5)
Corsi di allenamento / Piani di allenamento	Supportato	Non supportato
Registri di allenamento / Calendario di allenamento	Supportato	Non supportato
Monitoraggio dei dati biometrici	Supportato	Non supportato
Partner virtuale	Supportato	Non supportato
Analisi dell'allenamento	Supportato	Non supportato
Allenamento virtuale	Non supportato (supporto previsto in futuro)	Supportato
Allenamento con confronto personale	Non supportato (supporto previsto in futuro)	Supportato
Pianificazione delle salite	Supportato (※Il nuovo algoritmo adottato in BiNavi Air è previsto per la sincronizzazione in un aggiornamento futuro)	Supportato (risposta dei dati più rapida tramite ottimizzazione dell'algoritmo; tuttavia, è necessario precaricare il percorso in anticipo)
Sensore di temperatura corporea CORE	Supportato	Non supportato

Image: The iGPSPORT BiNavi displaying 'Training Status Assessment' and 'Training Load' over the last 7 days, with a cyclist drinking water in the background.

5. Smart Features and Connectivity

The BiNavi connects to a wide range of devices including Di2, e-bikes, heart rate monitors, cadence/speed sensors, rear radars, iGPSPORT smart lights, smart trainers, and power meters.

Image: A diagram illustrating the iGPSPORT BiNavi's connectivity with various cycling accessories like heart rate monitors, power meters, speed/cadence sensors, smart lights, and radar, forming a complete cycling ecosystem.

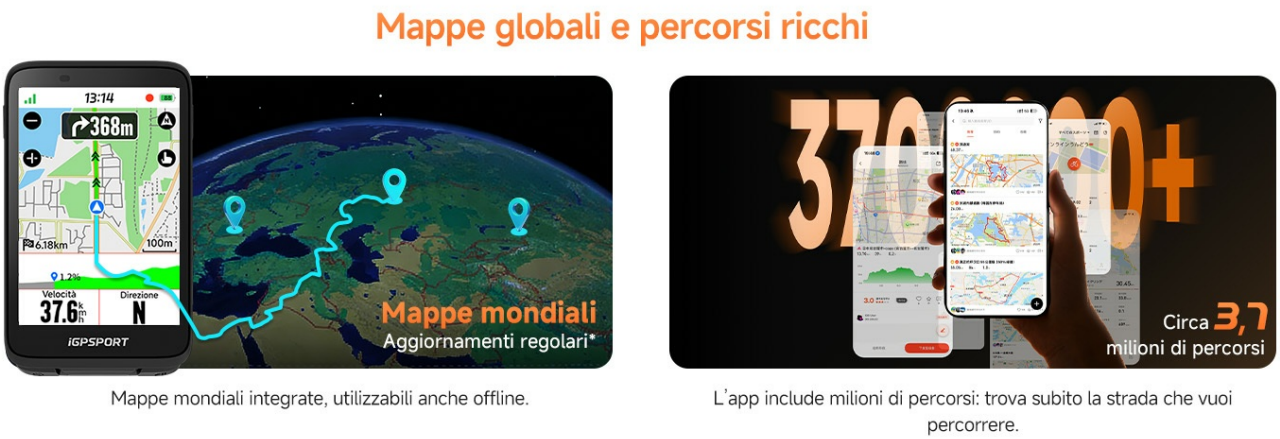
Music Control and Call Alerts

Control music playback and view incoming call notifications directly on the BiNavi display, allowing you to stay focused on your ride while staying connected.

Image: The iGPSPORT BiNavi screen showing music playback controls and an incoming call notification, demonstrating its smart assistant features.

E-Bike Mode

Connect to your e-bike to receive real-time data for a smarter riding experience.



Mappe mondiali integrate, utilizzabili anche offline.

L'app include milioni di percorsi: trova subito la strada che vuoi percorrere.

Image: A cyclist on an e-bike with the iGPSPORT BiNavi mounted on the handlebars, demonstrating the e-bike smart cycling mode.

iGPLink Smart Connectivity

The iGPLink technology allows seamless interaction with iGPSPORT smart lights and other devices. It supports real-time data reception from sports watches (e.g., heart rate via vibration alerts) and synchronization of courses, segments, and tracks between devices.

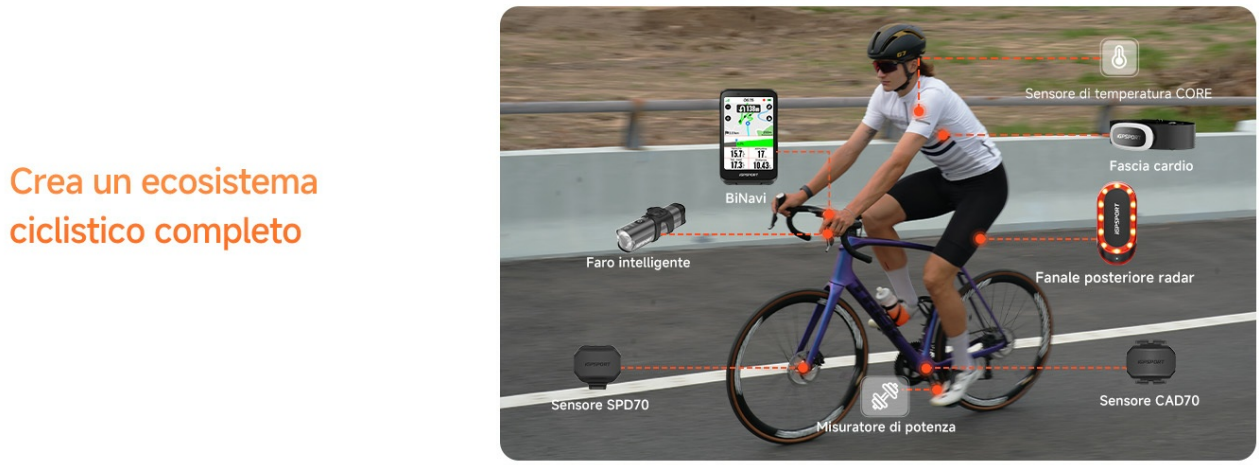


Image: A collage demonstrating iGPLink smart connectivity, showing a cyclist with a smart light, a smartwatch monitoring heart rate, and a smartphone syncing data with the BiNavi.

6. Data Synchronization

Easily upload your cycling data to popular platforms like iGPSPORT, Strava, DJ Mimo, Insta360, TrainingPeaks, and Komoot with a single click.

Image: The iGPSPORT BiNavi and a smartphone displaying synchronized cycling data and maps, with logos of compatible platforms like Strava, TrainingPeaks, and Komoot, highlighting one-click data sharing.

Maintenance

1. Cleaning

Wipe the device with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners, which can damage the screen or casing.

2. Battery Care

To prolong battery life, avoid fully discharging the device frequently. Store the device in a cool, dry place when not in use for extended periods.

3. Water Resistance

The BiNavi has an IPX7 water resistance rating, meaning it can withstand immersion in up to 1 meter of water for 30 minutes. It is suitable for use in rain but should not be submerged for prolonged periods or used for diving.

Troubleshooting

1. GPS Signal Loss

- Ensure you are in an open area with a clear view of the sky.
- Wait a few moments for the device to reacquire the signal.
- Update the device firmware via the iGPSPORT app to ensure optimal performance.

2. Connectivity Issues (Sensors/Phone)

- Ensure Bluetooth and ANT+ are enabled on your BiNavi and external sensors.
- Check that the iGPSPORT app is running on your smartphone and Bluetooth is active.
- Restart both the BiNavi and your smartphone.
- Re-pair sensors or the smartphone if necessary.

3. Screen Visibility

- Adjust the backlight brightness in the device settings.
- The transflective display performs best in direct sunlight. In low light, ensure the backlight is active.

4. Device Not Responding

- Perform a soft reset by holding down the power button for 10-15 seconds until the device restarts.
- Ensure the device is charged.

Specifications

Feature	Detail
Brand	iGPSPORT
Model Number	BiNavi
Color	BiNavi-Nero
Product Dimensions	6L x 16.8W x 12.1H cm
Item Weight	103 Grams
Screen Size	3.5 Inches
Display Type	LCD
Battery Life	35 hours
Battery Composition	Lithium Ion
Connectivity Technology	ANT, Bluetooth
Screen Resolution	320 x 480 pixels
Mounting Type	Handlebar Mount
User Interface Input	Buttons, Touchscreen
International Protection Rating	IPX7

Feature	Detail
Included Components	1 BiNavi Cycle Computer, 1 Protective Rubber Sleeve, 1 Rubber Pad, 1 User Manual, 2 Elastic Bands

Warranty and Support

1. Product Warranty

The iGPSPORT BiNavi comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

2. Customer Support

For technical assistance, troubleshooting, or further inquiries, please refer to the following resources:

- **iGPSPORT Official Website:** Visit the official iGPSPORT website for FAQs, updated manuals, and support contact information.
- **iGPSPORT App:** The companion app often includes support sections and direct contact options.
- **Retailer Support:** Contact the retailer from whom you purchased the device for assistance.

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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.

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