

OBEST X95

OBEST X95 Multifunction GPS Meter and Inclinometer User Manual

Model: X95

1. INTRODUCTION

The OBEST X95 is a versatile multifunction meter designed for vehicles, providing essential driving data and safety warnings. It integrates a GPS speedometer, inclinometer, and head-up display (HUD) to offer real-time information directly within the driver's view. This manual provides detailed instructions for installation, operation, and maintenance of your X95 device.

2. KEY FEATURES

- **Multifunction Display:** Real-time display of GPS speed, altitude, pitch angle, roll angle, driving direction (compass), satellite count, signal strength, UTC time, day, total mileage, segment distance, latitude, and longitude.
- **Warning Systems:** Includes fatigue driving warning for long trips and overspeed alerts with visual icons and optional audible warnings.
- **Wide Compatibility:** Operates on 11.5V-30V, suitable for passenger cars, trucks, vans, and electric vehicles with 12V or 24V systems.
- **High-Definition Color Screen:** TFT display with optimized brightness for clear readability in various lighting conditions. Customizable display modes and menu settings for speed units (km/h, mph), speed alert limits, speed correction, sound (warning sound on/off), and system time.
- **Dual Satellite Module:** Enhances speed and altitude accuracy, even in challenging signal environments, by utilizing dual satellite reception channels. Displays current latitude/longitude and GPS reception quality.
- **Integrated Inclinometer:** Shows front-rear pitch angle and left-right roll angle, useful for off-road driving and navigating uneven terrain.
- **Smart Power Management:** Automatic power-on with vehicle ignition and standby mode (low current consumption) after engine shutdown to protect the car battery.

3. SETUP AND INSTALLATION

1. **Choose Installation Location:** Select a position on the dashboard on the driver's side that does not obstruct your

view. The device has compact dimensions of 85mm x 73mm x 65mm.

2. **Secure the Device:** Use the provided adhesive base to firmly attach the X95 unit to the chosen dashboard location.
3. **Connect Power:** Plug the power cable into your vehicle's 12V cigarette lighter socket. The device is compatible with 11.5V to 30V power systems.
4. **Power On:** Start your vehicle. The X95 HUD will automatically power on, search for GPS satellites, and begin displaying data within a few seconds.

一目で掌握するコントロール

X95は、車両の傾斜角や勾配を正確に測定できるほか、車速、標高、走行方向を提供します。また、高精度な衛星測位によるリアルタイム時刻表示機能も搭載しています



Image: OBEST X95 showing its dimensions (65x73x65mm) and electrical specifications including operating voltage (11.5V-30V DC), operating current (<80mA), standby current (<15mA), and operating temperature (-20°C~75°C).

4. OPERATION

4.1 Display Modes and Data

The X95 offers various display modes to show different combinations of data. You can switch between these modes with a single touch. The device provides real-time information such as:

- GPS Speed (km/h or mph)
- Altitude
- Pitch Angle (front-rear)
- Roll Angle (left-right)
- Driving Direction (Compass)
- Number of Satellites & Signal Strength
- UTC Time & Day
- Total Mileage & Segment Distance
- Latitude & Longitude

X95多機能メーター



速度



移動時間



走行距離



標高



進行方向



衛星時刻



ロール角



ピッチ角



経度と緯度



総走行
距離



曜日



衛星数



Image: An overview of the OBEST X95's multifunction display, showing various icons for speed, travel time, distance, altitude, direction, satellite time, roll angle, pitch angle, latitude/longitude, total mileage, day, and satellite count. The main screen displays speed, clock, altitude, direction, and satellite count.

快適な走行と安全な旅を

ピッチ角表示範囲：-40° ~ +40°

上り坂・下り坂におけるピッチ角を高精度で表示します。傾斜度を目盛りと数値でリアルタイムに確認でき、30度を超えると警告表示およびブザーでお知らせします

上り坂表示



下り坂表示



Image: The OBEST X95 displaying various data screens, including pitch and roll angles, GPS data (speed, altitude, direction, satellites), date and time, and a combined view of speed and other metrics. This illustrates the different display modes available.

4.2 Menu Settings

Access the menu to customize settings such as:

- Speed Unit: Switch between km/h and mph.
- Speed Alert Limit: Set your desired overspeed threshold.
- Speed Correction: Adjust for minor discrepancies.
- Sound: Toggle warning sounds on or off.
- System Time: Set the device's internal clock.

4.3 Inclinometer Function

The integrated inclinometer provides real-time pitch and roll angles:

- **Pitch Angle (Front-Rear):** Displayed on the left dial. A reading above +3 degrees indicates the vehicle's front is rising.

A reading below -3 degrees indicates the front is descending or heavy braking is applied.

- **Roll Angle (Left-Right):** Displayed on the right dial. If the left tilt exceeds +3 degrees or the right tilt falls below -3 degrees, a vehicle icon on the display will visually represent the tilt. This feature is particularly useful for off-road driving, navigating steep inclines, sharp curves, or uneven terrain.

GPS衛星測位によるリアルタイム車速表示

X95はGPS衛星測位により正確な車速を計測し、設定した制限速度を超えると自動で警報を発します。これにより、スピードメーターを視線を落として見る必要がなくなり、安全なドライブをサポートします

100 Km/h



設定した制限速度
(例：100Km/h)を超えると、音
と画面表示で即座に警告します。



Image: The OBEST X95 displaying pitch angle. The image shows examples of uphill (+30°) and downhill (-30°) pitch, with corresponding vehicle icons indicating the angle.

5. WARNING SYSTEMS

The X95 is equipped with two primary warning systems to enhance driving safety:

- **Fatigue Driving Warning:** The device will issue an alert during prolonged periods of continuous driving, reminding the driver to take a break. This is especially beneficial for long-distance journeys.
- **Overspeed Alert:** When your vehicle exceeds the preset speed limit, an alert icon will appear on the screen. If the

sound setting is enabled, an audible warning will also sound. This helps prevent accidental speeding.

Additionally, the device may provide vibration alerts and automatically activates upon vehicle ignition.

多機能一体型ヘッドアップディスプレイ

X95は、高精度なデュアルチャンネル衛星測位モジュールを内蔵しており、リアルタイムで複数の衛星を捕捉し、正確な測位データを提供します。標高、緯度・経度、衛星数といったプロ仕様のオフロードデータを表示する機能も搭載します。アウトドアや長距離ドライブ、クロスカントリー走行を強力にサポートします

リアルタイム標高 (Altitude)

現在地の海拔高度を表示し、起伏の激しい地形でも安心です

衛星受信数と強度 (Satellite Signal)

現在捉えている衛星の数と、受信強度（緑色バー）を表示します

現在地の緯度・経度 (Coordinates)

現在位置の正確な緯度と経度を表示します



Image: The OBEST X95 displaying real-time GPS speed (100 km/h) and an overspeed alert icon. The image shows how the device warns the driver when a set speed limit (e.g., 100 km/h) is exceeded, with both visual and audible alerts.

6. MAINTENANCE

To ensure the longevity and optimal performance of your OBEST X95, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device's screen and body. Avoid abrasive cleaners or solvents that could damage the surface.
- **Environmental Conditions:** While designed for automotive use, avoid exposing the device to extreme temperatures outside its operating range (-20°C to 75°C) for extended periods. Protect it from direct water exposure.

- **Cable Management:** Ensure the power cable is not pinched or damaged. Secure it properly to prevent interference with driving controls.

7. TROUBLESHOOTING

If you encounter issues with your OBEST X95, refer to the following common problems and solutions:

- **Device does not power on:**
 - Check if the power cable is securely connected to the 12V cigarette lighter socket.
 - Ensure the vehicle's ignition is on.
 - Verify that the vehicle's 12V socket is functioning correctly.
- **No GPS signal or inaccurate data:**
 - Ensure the device has a clear view of the sky. Tall buildings, tunnels, or dense foliage can obstruct GPS signals.
 - Allow a few minutes for the device to acquire satellites after startup.
 - Move the vehicle to an open area if signal acquisition is consistently poor.
- **Inclinometer readings seem incorrect:**
 - Ensure the device is mounted on a flat, stable surface on the dashboard.
 - The inclinometer may require a few moments to calibrate after startup or significant movement.
- **Warning sounds are not working:**
 - Check the sound settings in the device's menu to ensure warning sounds are enabled.

If problems persist, please contact customer support.

8. SPECIFICATIONS

Brand	OBEST
Model Number	X95 (Manufacturer Model: 32356)
UPC	784482526356
Operating Voltage	11.5V - 30V DC
Operating Current	<80mA
Standby Current	<15mA
Operating Temperature	-20°C ~ 75°C
Product Dimensions (L x W x H)	85mm x 73mm x 65mm

Included Components	OBEST X95 Unit, Power Cable, Adhesive Base, User Manual (Japanese)
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9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or contact OBEST customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.

For more information about OBEST products, visit the official OBEST store on Amazon:[OBEST Amazon Store](#).

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

