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wiiyii A500

wiiyii A500 HUD Head-Up Display User Manual

Model: A500

1. Introduction

The wiiyii A500 is a multi-functional Head-Up Display (HUD) for vehicles, featuring both OBD2 and GPS modes. It is equipped with a high-tech chip and an LCD instrument that clearly displays various vehicle data directly on the screen, enhancing driving safety and convenience.



Figure 1: The wiiyii A500 HUD displaying essential vehicle information.

2. Product Features

The A500 HUD offers comprehensive data display and warning functions across two primary modes:

2.1 OBD Mode Functions

- Displays: Car speed, engine rotation (RPM), water temperature, battery voltage, booster gauge, progression direction, mileage, time, satellites, altitude, braking performance, 0-100m acceleration time, vehicle data reading, and error codes.
- Warnings: Overspeed warning, speed warning, overheating warning, low battery warning, and overworking alert.

2.2 GPS Mode Functions

- Displays: Speed, battery voltage, driving direction, mileage, time, satellite number, altitude, braking performance, and 0-100m acceleration time.
- Warnings: Overspeed warning, low battery voltage warning, and overworking alert.



Figure 2: Detailed data display in OBD mode, including various icons for different metrics.



Figure 3: The A500 HUD highlighting its dual OBD+GPS system for enhanced compatibility and stability.

3. Setup

3.1 Compatibility

The OBD2 mode is compatible with vehicles released after September 2010 that use a 12V battery. Please note that certain special vehicles are not OBD compatible, including diesel cars, light trucks, trucks, SUVAL, Daihatsu Suzuki, and other JOBD regulated vehicles. If the speedometer initially only shows voltage after powering on, switch to GPS mode for continued use.

3.2 Installation Methods

The wiiyii A500 HUD offers flexible installation options to suit your vehicle's dashboard layout.

- **Dashboard Placement:** Position the device directly on your vehicle's dashboard using the provided anti-slip mat or adhesive.
- **Windshield Attachment:** Securely attach the device to your windshield for a projected display, if applicable to

your model.



Figure 4: Illustration of the two primary installation methods for the A500 HUD.

3.3 Device Overview

Familiarize yourself with the device's buttons and dimensions for proper handling and operation.

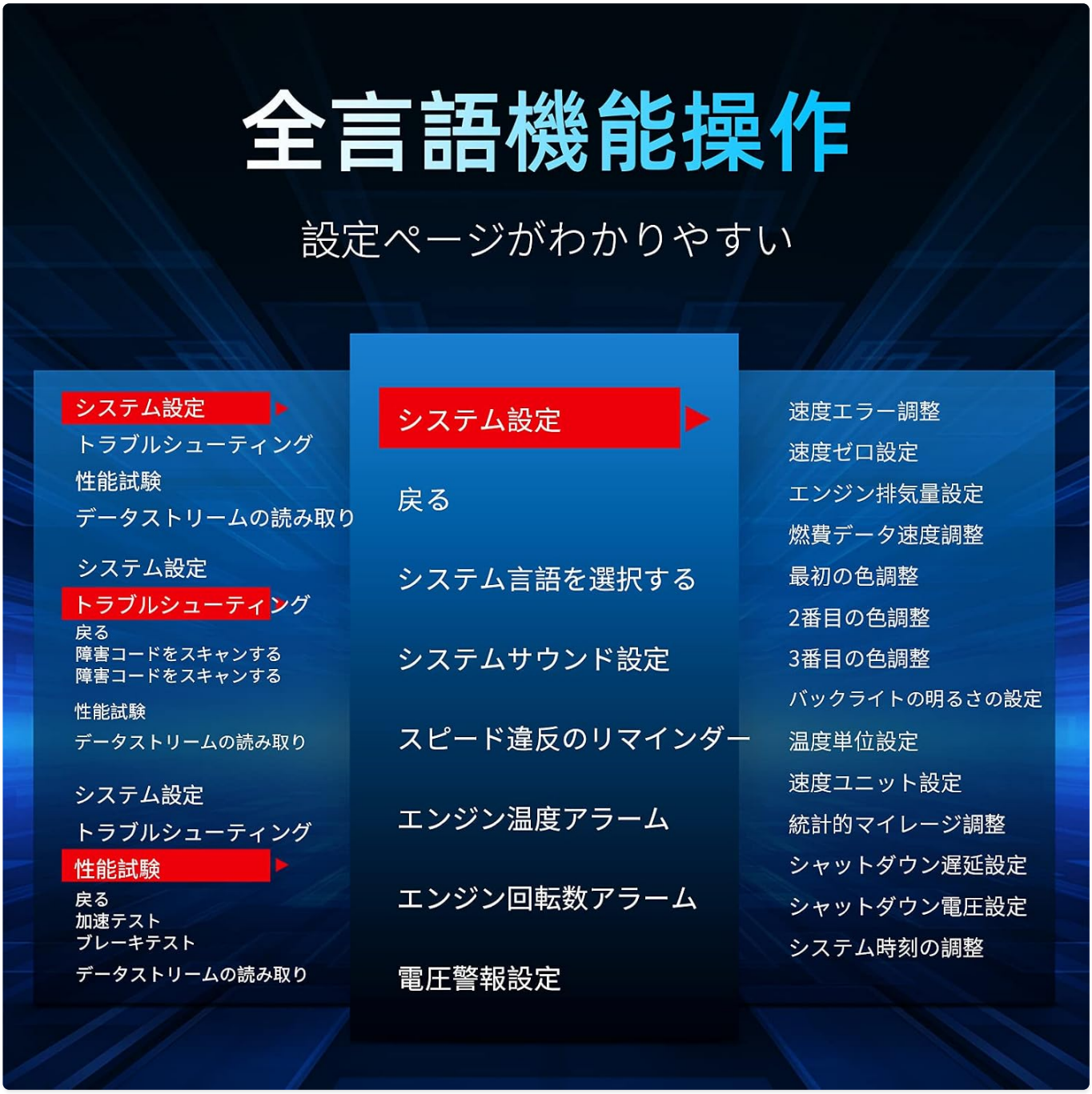


Figure 5: Device dimensions and button functions for the wiiyii A500 HUD.

4. Operating Instructions

4.1 Display Interfaces

The A500 HUD allows you to switch between 10 different display interfaces to customize the information presented. Use the navigation buttons (Left, Right, OK) to cycle through these options and select your preferred view.



Figure 6: Examples of the 10 customizable display interfaces.

4.2 Ambient Light and Alarms

The device features an ambient light that indicates its status:

- Upon startup, the light will be bright and blue, indicating normal operation.
- When an alarm is triggered (e.g., overspeed, low voltage), the light will flash red. Ensure the brightness is set to its highest level for clear visibility of alarms.
- Brightness can be adjusted manually or set to automatic. Even if the brightness is off, the alarm will still flash red when activated.



Figure 7: Ambient light indicators for normal operation and alarm conditions.

4.3 Performance Tests and ECU Data

The A500 HUD can display various performance metrics and vehicle ECU data.

- **Acceleration Test:** Measures the time it takes to accelerate from 0 to 100 km/h. This is a key performance indicator for your vehicle.
- **Brake Test:** Evaluates braking performance, providing important reference data for vehicle safety.
- **Turbo Pressure:** Displays real-time turbo pressure for vehicles equipped with a turbocharger.
- **ECU Data Display:** Access and view various ECU data streams, including fault codes, engine load, fuel pressure, and more.



Figure 8: Performance tests and ECU data display options.

4.4 System Settings

The device features an easy-to-understand settings page for customization. Use the navigation buttons to access and adjust various parameters, including:

- System language selection
- System sound settings
- Speed error adjustment
- Engine displacement setting
- Fuel data speed adjustment
- Temperature unit setting
- Speed unit setting
- Engine temperature alarm
- Engine RPM alarm
- Voltage alarm setting

- Shutdown delay setting
- System time adjustment

5. Maintenance

To ensure the longevity and optimal performance of your wiiyii A500 HUD, follow these general maintenance guidelines:

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure the device is securely mounted to prevent damage from vibrations or impacts.
- Avoid exposing the device to extreme temperatures or direct sunlight for prolonged periods, as this may affect its display and internal components.
- Regularly check the connection cable for any signs of wear or damage.

6. Troubleshooting

If you encounter issues with your wiiyii A500 HUD, refer to the following common solutions:

- **Device only shows voltage after turning on:** This indicates the device is in GPS mode. If your vehicle is OBD2 compatible, ensure the OBD2 cable is properly connected. If the issue persists, manually switch the device to OBD mode through the system settings.
- **No display or power:** Check the power connection. Ensure the OBD2 cable is firmly plugged into both the vehicle's OBD port and the HUD device. Verify the vehicle's ignition is on.
- **Incorrect speed reading:** Adjust the speed error setting in the system settings menu to calibrate the display with your vehicle's actual speed.
- **Fault codes displayed:** The device can read and display vehicle fault codes. Refer to your vehicle's service manual or a professional mechanic for interpretation and resolution of specific codes. The device also has a function to clear fault codes, which can be accessed through the operating menu.
- **Inaccurate GPS data:** Ensure the device has a clear view of the sky for optimal satellite reception. Move the device away from any obstructions that might interfere with the GPS signal.

7. Specifications

Specification	Detail
Brand	wiiyii
Model Number	A500
Material	Plastic
Item Dimensions (L x W x H)	10.4 x 8 x 6.1 Centimeters
Item Weight	290 Grams
UPC	723497750363
Manufacturer	wiiyii
First Available Date	20 April 2023

8. Warranty and Support

wiiyii provides warranty and long-term after-sales service for this product. If you encounter any problems while using the wiiyii A500 HUD, please contact us directly through your Amazon purchase history. Our support team will respond as soon as possible to assist you with any issues or questions you may have.

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