



Head-Up Display & GPS Navigator



***“Eyes on the road, hands on the wheel”
— the fundamental requirement for safe driving***

In the United States, over 6 million automobile collisions occur each year, resulting in more than 3 million injuries and 40,000 deaths. The cost to society of these incidents, most of which can be attributed to “driver inattention”, amounts to US\$230 billion.

One of the main reasons for driver inattention is that the human-machine interfaces (HMI) for various devices are not positioned suitably, or are scattered in different locations inside the car. In order to obtain desired information or operate different equipment, the driver must take his eyes off the road, or his hands off the steering wheel, thereby diverting attention from the driving task. Most of the public take a complacent attitude, believing that such brief, seconds-long distractions will not unduly affect driving safety, while in fact, such momentary inattention is typically the main reason for automobile collisions.



WeGo is the world's first product to integrate satellite navigation and a head-up display in an all-in-one design. Navigation data is projected via a head-up display directly in front of the driver onto the windshield. The driver can use a wireless remote attached to the steering wheel to operate the unit, keeping his eyes on the road, and his hands on the steering wheel. As a result, WeGo is not only easy to use, but it also greatly enhances driving safety.

Features:

1. Combines a head-up display and satellite navigation

WeGo is the world's first all-in-one product to combine a head-up display and satellite navigation. WeGo projects navigation data directly onto windshield in the driver's line of sight. That means the driver never has to look away from the road to obtain navigation information, alleviating the risk of dangerous accidents.

2. RF-based remote control, attachable to the steering wheel

WeGo is operated via a remote that can be attached to a steering wheel, so that the driver does not have to take his hands off. The remote uses RF technology, whose signals are not restricted directionally, adding to its ease of use.



3. Ultra-high brightness and contrast for daylight use, with clear visibility even in strong sunlight

WeGo uses an LED module for backlighting, ensuring a high-contrast image is projected on the transparent display panel. Even in bright sunshine, the content is displayed clearly for quick, easy viewing.

4. Patented reflective image display technology, eliminates the need to adjust focusing

WeGo's patented reflective image display technology differs from traditional image projection technologies, by virtue of eliminating the need to adjust focal length, while maintaining a constant image size with distance. Patents for this technology have been granted in Taiwan, with patents pending in the U.S., the E.U., Japan, and China.

5. Intelligent optical sensor mechanism, automatically adjusts brightness

WeGo incorporates a mechanism for monitoring the ambient environment, and based on measured light levels, automatically adjusts the luminance of the displayed image so that the driver can comfortably view navigation data both during the daytime and at night.

6. High-tech coating and heat dissipation design

WeGo's cooling system draws on rigorous thermal analysis, making use of advanced coatings and a sophisticated heat dissipation design to efficiently shunt generated heat out of the device, greatly increasing reliability and durability.

7. Sophisticated base stand, easy to use and suitable for various dashboards

WeGo's base stand is designed so that WeGo can be used without altering the car's interior. No tools are required, and WeGo can be installed securely on any dashboard.

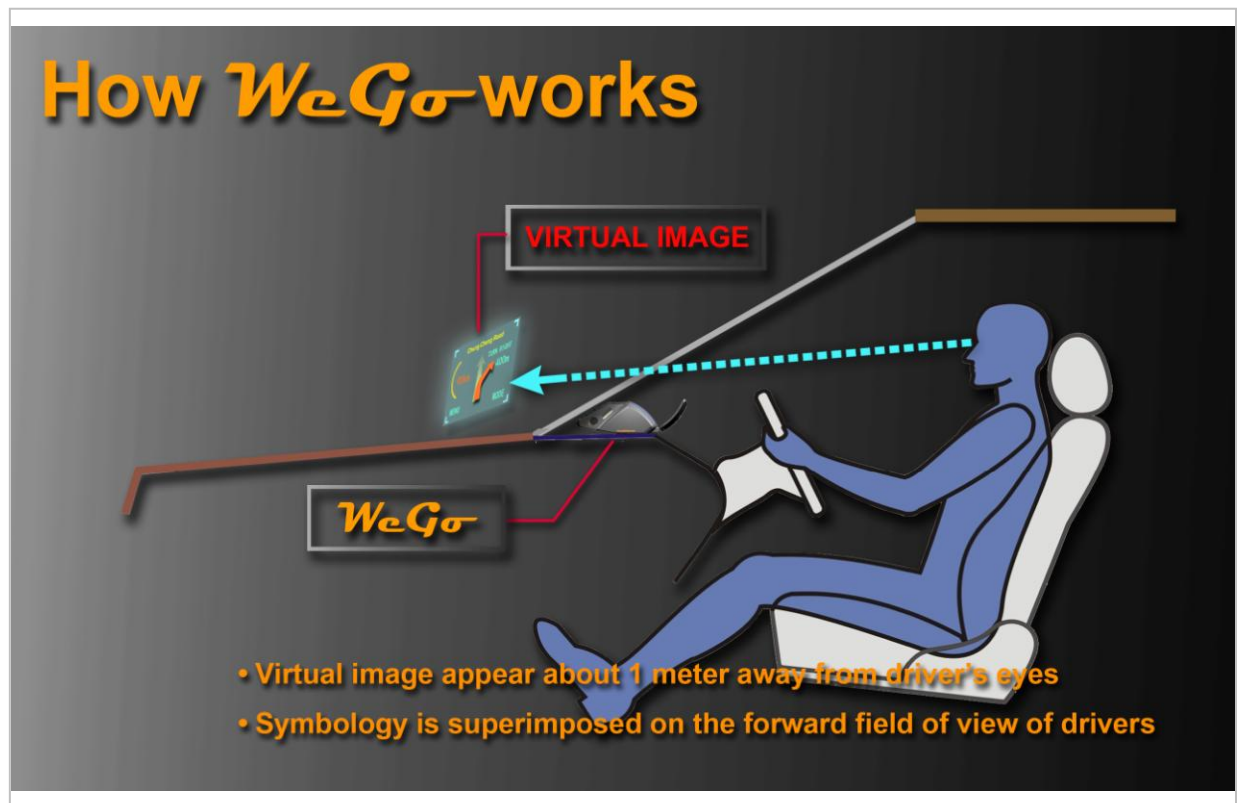
8. Operable at a wide range of temperatures, able to withstand both hot summer and cold winter conditions

WeGo's operating temperature ranges from -10°C to 60°C , meaning that it operates smoothly even in extreme weather conditions.

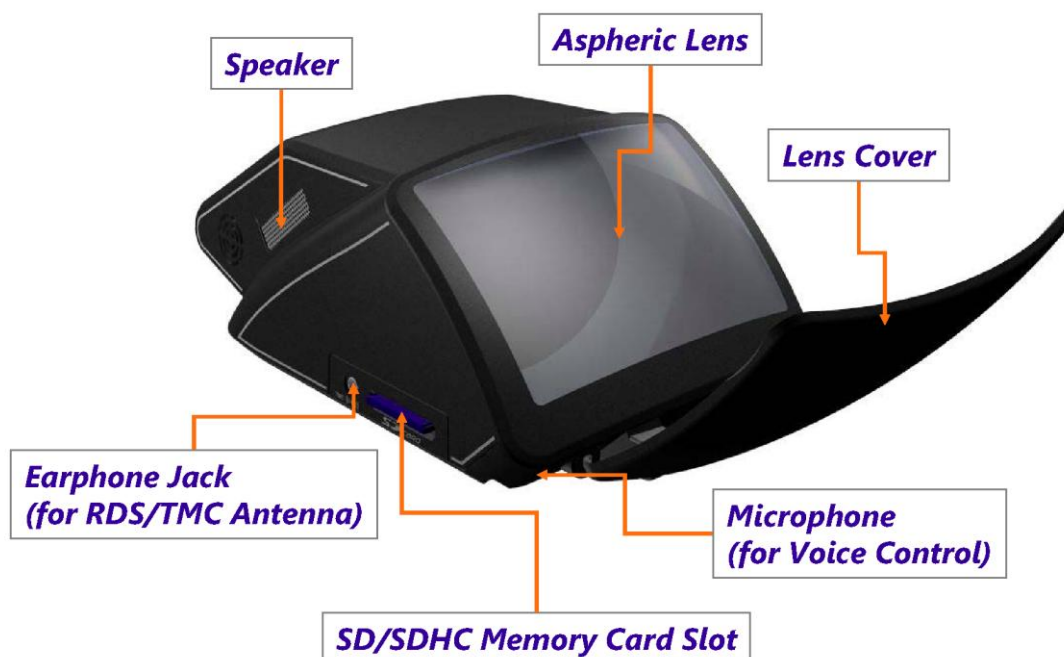
9. Compact and suitable for different types of vehicles

WeGo is specifically developed for the automotive aftermarket, and its compact size makes it suitable for any class of vehicle.

How WeGo works:



Top View:



Remote Control Key Functions:



Base Stand:



Specifications:

Model Name	WeGo
Processing Unit	Telechips TCC7901 (500MHz) processor chip 128MB RAM, capable of handling signals from up to 32 satellites
GPS	SiRF Star III
GPS Antenna	Embedded patch antenna
Positioning Speed	Warm Start: Approximately 3 seconds Cold Start: Approximately 45 seconds
Power Supply	Vehicle power cable Input voltage: 9V to 16V
RDS/TMC	Built-in LOCOSYS TMC-1009 RDS module Interface: Earphone Jack
Screen	4.5" (virtual image) Aspect Ratio: 5:3 Resolution: 400 x 240 Brightness: 3,100 cd/m ² (typical), 13,000 cd/m ² (max.) Contrast ratio: 500: 1
Built-in Memory	128MB NAND flash
Expansion Slot	Supports SD/SDHC memory cards
Operating System	Microsoft Windows CE 5.0
Remote Control	RF-based, attachable to steering wheel 10 buttons (power, menu, back, up/raise brightness, down/reduce brightness, left/volume -, right/volume +, OK, voice control, navigation/map/vehicle position) Dimensions: 79.6 x 36 x 20 mm (L x W x H)
Voice Recognition	Built-in Microphone & Voice Recognition Hardware module
Operating Environment	Operating Temperature : -10°C to 60°C Storage Temperature : -20°C to 70°C Operating Humidity: 45% to 80% RH Storage Humidity: 30% to 90% RH
Dimension	189 (L) x 110 (W) x 74 (H) (mm)
Weight	400 g (system unit excluding base), 930 g with full package
Accessories	RF remote control & Snap ring & Binding straps Base stand Slide rails Cigarette lighter adapter RDS/TMC Antenna (optional) Reflective film

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