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EASYGUARD EM212

EASYGUARD EM212 2-Way Motorcycle Alarm System User Manual

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EASYGUARD EM212 2-Way Motorcycle Alarm System. This system is designed to enhance the security of your DC12V motorcycle with advanced features including a 2-way LCD pager, shock sensor, and microwave sensor.



Image: EASYGUARD EM212 product packaging, showing the alarm system box.

PRODUCT OVERVIEW

System Components



Image: All components of the EASYGUARD EM212 2-Way Motorcycle Alarm System, including the main unit, two remote controls, siren, sensors, and wiring harnesses.

The EASYGUARD EM212 system includes the main alarm unit, two LCD pager remote controls, a siren, a microwave sensor, an antenna, and various wiring harnesses.

Key Features

- Arm/Disarm/Silent arm
- Shocking alarm warning
- Microwave/proximity sensor detecting
- Illegal ACC ON trigger
- Siren pause
- Arm reminding
- Anti-hijacking
- Remote engine start/cut off (optional, may require extra relay or bypass module)
- Auto-rearm (Anti-false disarm)
- Motorcycle locating/panic mode
- Power off memory

- Day & night 24 hours real-time monitoring
- Emergency disarm
- LED indicator & Signal indicator
- Special music reminding for no action & power status indication
- Time alarm setting & Programming method
- Transmitter vibration sensitivity adjusting



- Microwave sensor detecting
- Shock sensor warning
- Rechargeable 2 way LCD pager with super long remote distance

Image: The system features a 2-way LCD pager remote for real-time monitoring and feedback, along with microwave and shock sensors for comprehensive protection.

SETUP AND INSTALLATION

Important Installation Notes

Professional installation by a qualified motorcycle alarm installer is highly recommended. A detailed wiring diagram is available upon request to assist with the installation process.

The system is compatible with most DC12V motorcycles and scooters.

For the remote engine start feature, some newer motorcycles may require an additional relay or bypass

module. Consult with your installer for compatibility and proper integration.

OPERATING INSTRUCTIONS

Remote Control Functions



Image: The LCD pager remote control allows you to manage various alarm functions. Refer to the image for button assignments.

- **Arm/Mute Arm:** Press this button to arm the alarm system. A short press may activate mute arming.
- **Disarm/Remote Engine Stop:** Press this button to disarm the alarm system or to stop the engine if remote started.
- **Panic/Motorcycle Location:** Use this button to activate the panic mode or locate your motorcycle in a parking area.
- **Remote Engine Start:** Press this button to remotely start your motorcycle's engine. Ensure the motorcycle is in neutral and safe to start.

Remote Engine Start

Remote Engine start



Remote engine start(optional, see description)

Image: The remote engine start function allows you to start your motorcycle's engine from a distance. This feature is optional and may require additional components for certain motorcycle models.

Microwave/Proximity Sensor

The microwave sensor detects movement around your motorcycle, providing an early warning. Its sensitivity can be adjusted according to your preference and environment.

Shock Sensor

The built-in shock sensor detects impacts or vibrations to the motorcycle, triggering an alarm to deter theft or tampering.

MAINTENANCE

Remote Control Battery Replacement

The remote control requires an AAA battery. For rechargeable functionality, use a rechargeable AAA battery. If a non-rechargeable AAA battery is used, the remote will not be rechargeable.

Battery replace



- 1.Unlock & push the remote shell
- 2.Replace with new AAA battery

Image: Instructions for replacing the AAA battery in the remote control. Unlock and push the remote shell, then replace the battery.

USB Charging

The remote control features a USB charging port. This is only active when a rechargeable AAA battery is installed. Use the provided USB charging wire for this purpose.



Image: Front and back view of the EASYGUARD EM212 remote control, highlighting the USB charging port.

TROUBLESHOOTING

- **Parasitic Battery Drain:** If the motorcycle battery drains quickly, ensure all connections are correct and consider the system's power consumption. Disconnecting the alarm when the motorcycle is stored for extended periods may be necessary.
- **Remote Engine Start Issues:** If remote start does not function, verify that your motorcycle does not require an additional relay or bypass module. For fuel-injected bikes, ensure the fuel pump primes fully before attempting to start.
- **Microwave Sensor Sensitivity:** If the microwave sensor is too sensitive or not sensitive enough, adjust its settings according to the detailed instructions in the full user manual.
- **Auto-Rearm Function:** The system may auto-rearm after a set period (e.g., 30 seconds) if the ignition is not turned on after disarming. To prevent this, turn the ignition on briefly after disarming if you need more time before riding.
- **Siren Malfunction:** If the siren does not sound, check its wiring connections and ensure it is not damaged.

SPECIFICATIONS

- **Model Number:** EM212
- **Operating Voltage:** DC12V
- **Maximum Range:** Up to 800 meters (in open space)
- **Noise Level:** 110 dB
- **Remote Control:** 2-Way LCD Pager, Rechargeable (with rechargeable AAA battery)
- **Sensors:** Built-in Shock Sensor, Microwave/Proximity Sensor
- **Item Weight:** Approximately 1.61 pounds

Dimensions



Image: Dimensions of the main alarm control unit, approximately 71mm (width) x 94mm (height) x 28mm (thickness).



Image: Dimensions of the LCD pager remote control, approximately 38mm (width) x 74mm (height) x 17mm (thickness).

WARRANTY AND SUPPORT

For detailed warranty information, please refer to the product packaging or contact EASYGUARD customer support. English user manuals and wiring diagrams are available upon request to assist with any queries or installation needs.