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› [STEEL MATE](#) /

› STEELMATE 886E 1-Way Motorcycle Alarm System User Manual

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STEELMATE 886E 1-Way Motorcycle Alarm System User Manual

Model: 886E

INTRODUCTION

The STEELMATE 886E is a sophisticated 1-way motorcycle alarm system designed to provide enhanced security for your motorcycle. Featuring a fashionable and waterproof transmitter, a robust waterproof ECU, and advanced anti-hijacking and engine immobilization functions, this system offers reliable protection with low power consumption. This manual provides detailed instructions for the installation, operation, and maintenance of your STEELMATE 886E alarm system. Please read it thoroughly before attempting any installation or operation to ensure proper functionality and safety.

PACKAGE CONTENTS



Figure 1: Complete package contents of the STEELMATE 886E Motorcycle Alarm System. This includes the main ECU unit, the alarm speaker, two remote transmitters, and a set of installation accessories with wiring harnesses.

Upon opening the package, verify that all components are present and undamaged:

- 2 x Transmitters (Remote Controls)
- 1 x ECU (Electronic Control Unit)
- 1 x Alarm Speaker (Siren)
- 1 x Set of Installation Accessories (Wiring Harnesses, etc.)
- 1 x English Instruction Manual (This document)

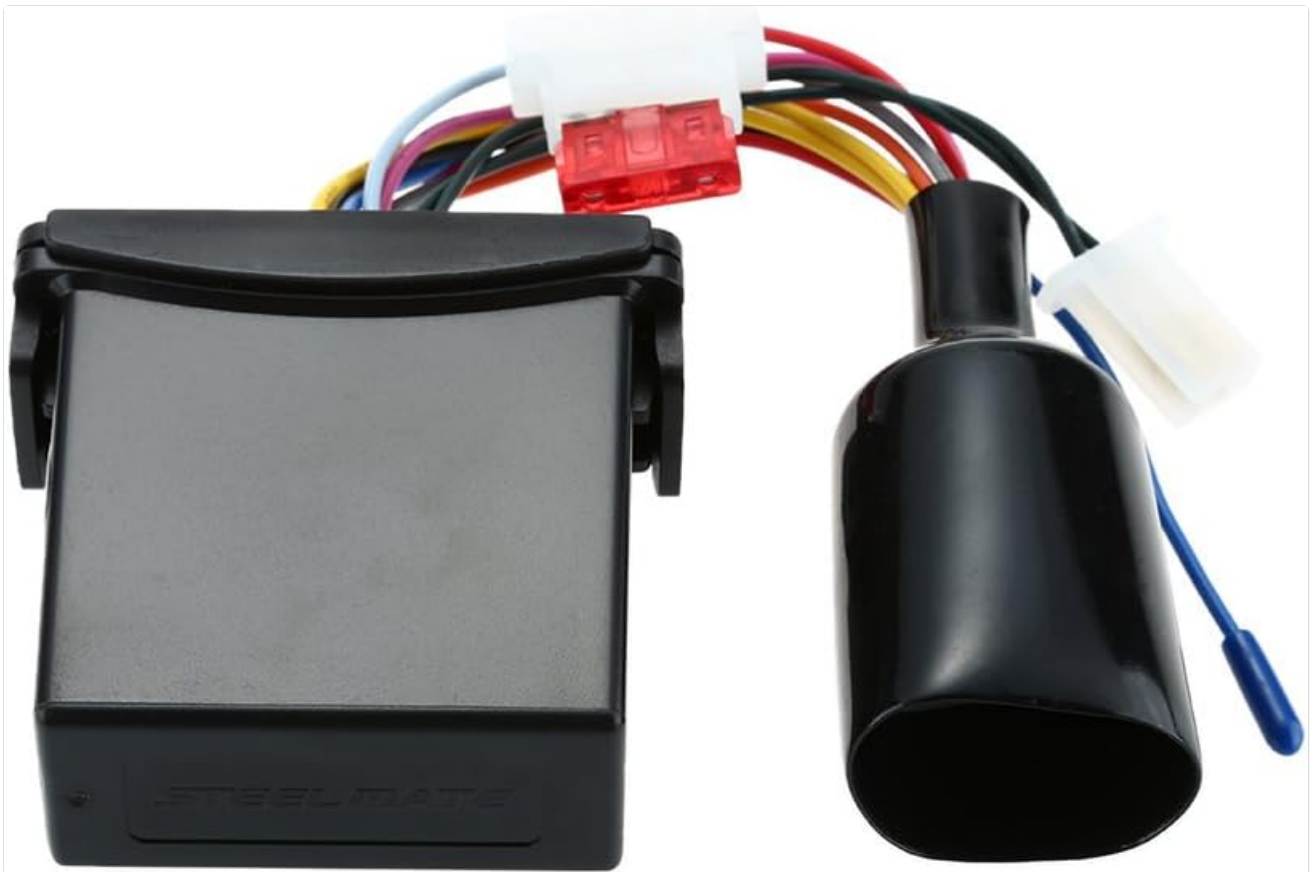


Figure 2: The main Electronic Control Unit (ECU) of the alarm system, designed to be waterproof for durability in various weather conditions. It is shown with a connected sensor or antenna.



Figure 3: The alarm speaker (siren) for the STEELMATE 886E system, capable of producing sound levels between 105 dB and 125 dB to deter theft.

SETUP AND INSTALLATION

Professional installation is highly recommended for this alarm system to ensure correct wiring and optimal performance. Incorrect installation can lead to damage to the motorcycle's electrical system or the alarm unit itself.

General Installation Guidelines:

1. **Disconnect Battery:** Before starting any wiring, always disconnect the motorcycle's battery to prevent short circuits.
2. **Mount ECU:** Find a secure, hidden, and dry location for the ECU unit. Although it is waterproof, protecting it from direct exposure to extreme elements is advisable.
3. **Mount Siren:** Install the alarm speaker in a location where its sound will not be muffled and is difficult for potential thieves to access or disable.
4. **Wiring:** Follow the wiring diagram provided in the separate installation guide (if applicable) or consult a professional. Ensure all connections are secure and insulated.

5. **Test System:** After installation, reconnect the battery and test all alarm functions (arming, disarming, shock sensor, engine immobilization) before fully reassembling the motorcycle.

For detailed wiring instructions, refer to the specific wiring diagram included with your product package. Ensure all connections are made according to the diagram to avoid malfunction.

OPERATING INSTRUCTIONS

The STEELMATE 886E system is operated primarily via its remote transmitters. Familiarize yourself with the buttons and their functions.

Brief look of transmitters



Figure 4: A brief overview of the remote transmitter, highlighting the LED indicator light, Arm button, Disarm button, and Mute button. The remote is also waterproof.

Key Functions:

- **Arming:** Press the **Arm button** (typically a closed padlock icon) once to arm the alarm system. The motorcycle's

turn signals will flash, and the siren may chirp to confirm.

- **Disarming:** Press the **Disarm button** (typically an open padlock icon) once to disarm the alarm system. The turn signals will flash, and the siren may chirp to confirm.
- **Locating (Vehicle Finder):** When the alarm is armed, press the **Locate button** (often a speaker or horn icon) to make the motorcycle chirp and flash its turn signals, helping you find it in a parking lot.
- **Mute Arming:** To arm the system silently, press the **Mute button** (often a crossed-out speaker icon) once, or press the Arm button twice quickly. This arms the alarm without siren confirmation chirps.
- **Anti-Hijacking:** This feature is designed to immobilize the engine if the system detects an unauthorized ignition attempt while armed. When triggered, the siren will chirp for 30 seconds, turn signals will flash, and the engine will be immobilized.



Figure 5: Demonstrating the Mute Arming mode. Pressing the mute button or pressing the arm button twice quickly will arm the system silently.



Anti-hijacking

When the system is triggered by ignition, the siren will chirp for 30 seconds with turn signals keep flashing and engine will be immobilized.



Figure 6: Illustration of the Anti-hijacking feature. If the system is triggered by ignition, the siren will sound, turn signals will flash, and the engine will be immobilized.



Figure 7: The remote control is designed to be waterproof, ensuring reliable operation even in wet conditions.

Adjustable Sensitivity:

The shock sensor sensitivity can be adjusted via the transmitter. Refer to the specific instructions in your detailed manual for the exact button sequence to enter sensitivity adjustment mode.

MAINTENANCE

The STEELMATE 886E alarm system is designed for low maintenance. However, following these guidelines will help ensure its longevity and reliable performance:

- **Remote Battery Replacement:** If the remote control's range decreases or the LED indicator light dims, it may be time to replace the battery. Refer to the remote's casing for battery type (e.g., CR2032).
- **Keep ECU Dry:** While the ECU is waterproof, avoid submerging it or exposing it to high-pressure water jets.
- **Wiring Inspection:** Periodically check the wiring connections for any signs of wear, corrosion, or loose

connections. Ensure all insulation is intact.

- **Clean Components:** Keep the remote controls and visible parts of the alarm system clean using a soft, dry cloth. Avoid harsh chemicals.
- **Test Regularly:** Arm and disarm the system periodically to ensure all functions are working correctly.

TROUBLESHOOTING

If you encounter issues with your STEELMATE 886E alarm system, consult the following common troubleshooting steps:

Problem	Possible Cause	Solution
System does not respond to remote.	• Remote battery is low or dead. • Remote is out of range. • Interference.	• Replace remote battery. • Move closer to the motorcycle. • Move away from sources of strong electromagnetic interference.
Alarm triggers too easily or not at all.	• Shock sensor sensitivity is incorrectly set.	• Adjust shock sensor sensitivity (refer to detailed manual for steps).
Engine immobilization not working.	• Incorrect wiring of the immobilization circuit. • Faulty ECU.	• Verify wiring connections according to the installation diagram. • Contact customer support or a professional installer.
Siren is silent or too quiet.	• Siren wiring issue. • Siren unit malfunction. • System is in mute arming mode.	• Check siren connections. • Ensure system is not in mute arming mode. • Contact customer support.

If the problem persists after attempting these solutions, please contact STEELMATE customer support or a certified technician.

SPECIFICATIONS

Feature	Specification
Model Number	886E
Operating Voltage	9 ~ 16 V
Static Current Consumption	<3.5 mA
Siren Sound Pressure Level (SPL)	105 dB ~ 125 dB

Feature	Specification
Frequency Range	433.92 MHz
ECU	Waterproof
Transmitters	Fashionable, Waterproof
Key Features	Adjustable Sensitivity, Remote Arm/Disarm/Locate, Anti-hijacking, Engine Immobilization
Package Dimensions	15 x 12 x 6 cm
Package Weight	347 g
UPC	791345959985

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included with your product or visit the official STEELMATE website. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, you may contact STEELMATE customer service through the contact information provided on their official website or through your retailer.

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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.

Submit question