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› STEEL MATE 986XO - 2-Way Motorcycle Alarm System with Remote Engine Start User Manual

STEEL MATE 986XO

STEEL MATE 986XO 2-Way Motorcycle Alarm System

USER MANUAL

Introduction

Thank you for choosing the STEEL MATE 986XO 2-Way Motorcycle Alarm System. This manual provides comprehensive instructions for the proper installation, operation, and maintenance of your new security system. Please read this manual thoroughly before using the product to ensure optimal performance and safety. For any technical assistance, please contact an authorized service professional.

Product Overview

The STEEL MATE 986XO is an advanced 2-way motorcycle alarm system designed to provide enhanced security and convenience. It features a two-way communication remote with an LCD display, allowing you to monitor your motorcycle's status from a distance.



Figure 1: STEEL MATE 986XO 2-Way Motorcycle Alarm System components including the main unit, siren, and two remote controls.

Key Features:

- **2-Way LCD Transmitter:** Provides real-time feedback on alarm status and motorcycle battery voltage.
- **Adjustable Shock Sensor:** Sensitivity can be adjusted directly via the transmitter to suit different environments.
- **Out-of-Range Warning:** Notifies the user if the remote loses communication with the motorcycle.
- **Low Power Consumption:** Designed for efficiency, consuming less than 3.5 mA.
- **Waterproof ECU & Compact Siren:** Durable and easy to install components.
- **Remote Engine Start:** Conveniently start your motorcycle engine from a distance.
- **Anti-Hijacking Function:** Immobilizes the engine if triggered by ignition.

- **Locating Function:** Helps locate your motorcycle in a parking area.

Remote Control Overview:



Figure 2: LCD Remote Control with button functions and screen icons (Arming, Disarming, Mute Mode, Signal Bar, Battery Indicator, Turn Signal Flashing, Impact, ACC ON, Clock, Voltage Indicator).



Figure 3: Standard Remote Control with button functions and feature icons.

Setup and Installation

The STEEL MATE 986XO system includes a main control unit (ECU), a siren, and two remote controls, along with necessary wiring harnesses. For optimal performance and to prevent damage to your motorcycle's electrical system, **it is strongly recommended that this alarm system be installed by an authorized and qualified engineer or technician.**



Figure 4: Complete set of STEEL MATE 986XO alarm system components.

Installation Considerations:

- **Waterproof ECU:** The main control unit is waterproof, allowing for flexible mounting options.
- **Compact Siren:** The small size of the siren facilitates easy placement in confined spaces.
- **Wiring:** Ensure all wiring connections are secure and properly insulated to prevent short circuits and ensure reliable operation.
- **Power Connection:** Connect the system to a 12V DC power source.

Operating Instructions

Arming and Disarming:

- **Arming:** Press the **Arm** button on the remote control to activate the alarm system. The motorcycle's turn signals will flash, and the system will emit a confirmation sound.
- **Disarming:** Press the **Disarm** button on the remote control to deactivate the alarm system. The motorcycle's turn signals will flash, and the system will emit a confirmation sound.
- **Mute Mode:** To arm the system in mute mode (without siren confirmation), refer to the specific instructions in your full installation guide or the remote's icon indications.

Remote Engine Start:



Figure 5: Remote Engine Start feature in action.

To start the engine remotely, press the **Engine Start** button (often indicated by a lightning bolt icon) twice. The engine will run for a programmed duration (typically 8 minutes). If the ignition key is turned to the ON position during this period, the engine will continue to run normally.

Anti-Hijacking Function:



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: Anti-hijacking feature explanation.

When the system detects an unauthorized ignition attempt, the anti-hijacking feature will activate. The siren will chirp for 30 seconds, the turn signals will flash, and the engine will be immobilized to prevent theft.

Locating Function:

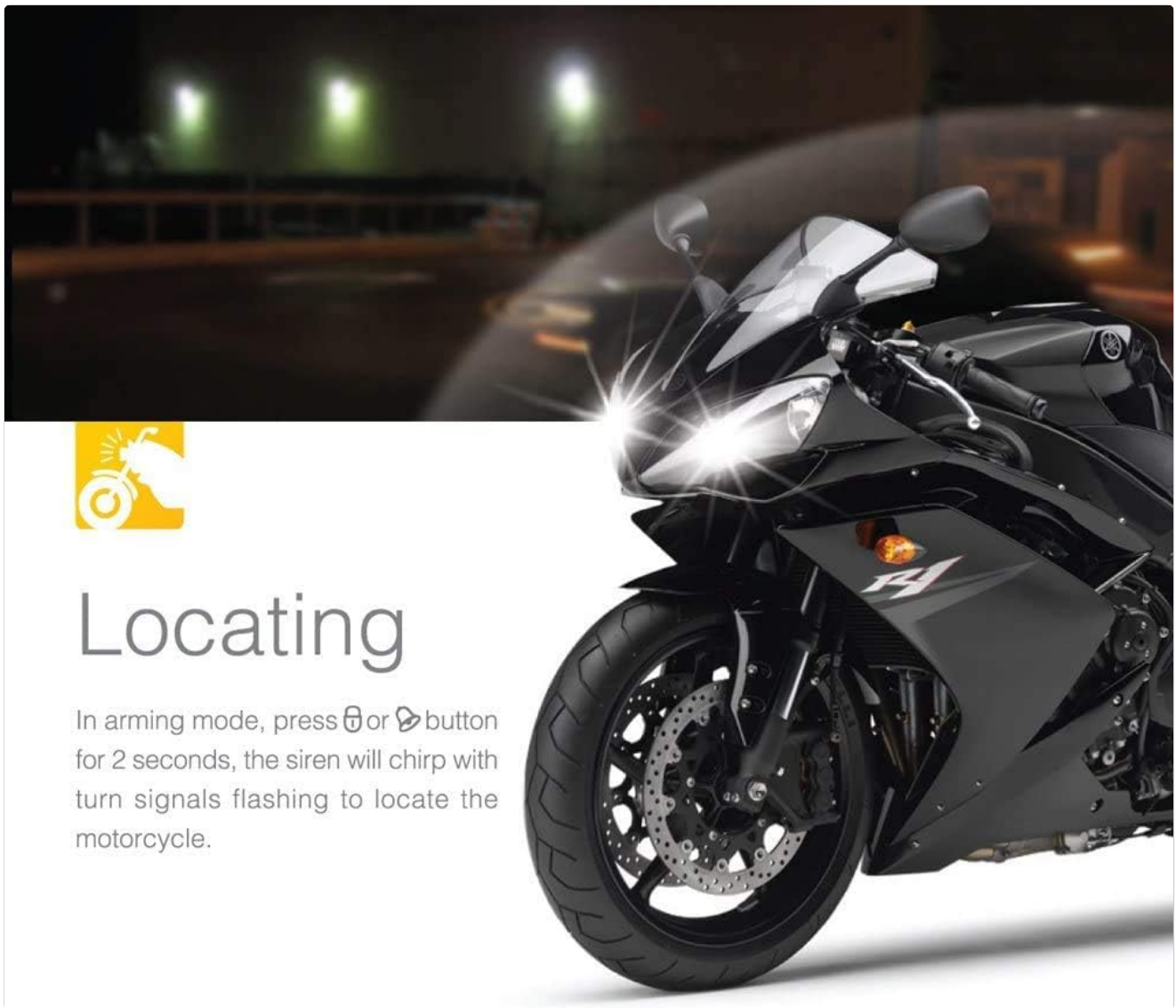


Figure 7: Locating feature explanation.

In arming mode, press the **Locating** button (often indicated by a bell or horn icon) for 2 seconds. The siren will chirp, and the turn signals will flash, helping you to easily locate your motorcycle in a crowded parking area.

Adjusting Shock Sensor Sensitivity:

The sensitivity of the shock sensor can be adjusted directly through the transmitter. Refer to your full installation guide for detailed steps on how to enter the sensitivity adjustment mode and select the desired level.

Battery Status Indication:

The 2-way LCD transmitter displays the motorcycle's battery voltage, allowing you to monitor its charge level. An out-of-range warning will also be displayed if the remote loses communication with the main unit.

Maintenance

- **Remote Battery:** The remote controls use replaceable batteries. Monitor the battery indicator on the LCD remote and replace batteries as needed to ensure reliable operation.
- **System Power Consumption:** The system is designed for low power consumption (<3.5 mA). However, for

prolonged periods of motorcycle inactivity (e.g., 11 days or more), it is advisable to disconnect the alarm system or use a battery tender to prevent motorcycle battery drain.

- **Cleaning:** Keep the main unit and remotes clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- **Water Resistance:** The ECU is waterproof. However, avoid submerging the remote controls in water.

Troubleshooting

Problem	Possible Cause	Solution
Alarm does not arm/disarm.	Remote battery low; out of range; system malfunction.	Replace remote battery; move closer to motorcycle; check system connections; consult technician.
Limited remote range.	Environmental interference (walls, buildings); remote battery low.	Move to an open area; replace remote battery. Note that range can be affected by obstacles.
Motorcycle battery drains quickly.	Residual power consumption; faulty wiring.	For long periods of inactivity, disconnect the alarm or use a battery tender. Have wiring checked by a professional.
Alarm triggers too easily/not at all.	Shock sensor sensitivity incorrectly set.	Adjust shock sensor sensitivity via the remote control.

Specifications

Attribute	Value
Brand	STEEL MATE
Model Number	986XO
Product Weight	620 g
Package Dimensions	23 x 18.5 x 7 cm
Noise Level	125 dB
Remote Control Included?	Yes
UPC	605757127507

Warranty and Support

For information regarding the product warranty, please refer to the documentation provided at the time of purchase or contact your seller directly. STEEL MATE recommends that all installation and major troubleshooting be performed by an authorized service professional to ensure proper functioning and to maintain warranty validity. For further assistance or technical inquiries, please contact STEEL MATE customer support or visit their official website.

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Name

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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

Answered questions about this manual

Why does the indicator light on my STEEL MATE 986XO remote control turn off after 5 seconds when I try to charge it, and should I replace the battery?

Based on the STEEL MATE 986XO manual and product specifications, here is how to address your charging issue:Battery Type: The manual states that the remote controls for this system use replaceable batteries rather than...

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