

## Mantis MT1002

# Mantis X3 Shooting Performance System Instruction Manual

Model: MT1002

## 1. INTRODUCTION

The Mantis X3 is a data-driven shooting performance system designed to enhance your shooting accuracy and technique. It provides real-time feedback and analysis for both dry fire and live fire training sessions, compatible with pistols, rifles, and airsoft/CO2 guns. This manual provides essential information for setting up, operating, and maintaining your Mantis X3 system.



*Image: Mantis X3 system components including the smart sensor, carrying case, and smartphone displaying the app interface.*

## 2. WHAT'S IN THE BOX

Upon unboxing your Mantis X3 Shooting Performance System, verify that all the following items are included:

- Mantis X3 Smart Sensor
- Mantis X Case
- Micro USB Cable
- Quick Start Guide

# HOW IT WORKS

## NO SUBSCRIPTION REQUIRED



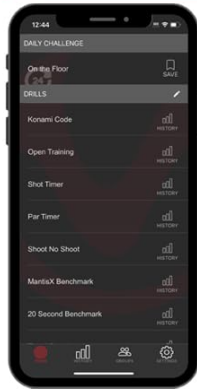
*Image: A visual guide illustrating the four steps of using the Mantis X3: attach the device, connect the phone, collect data, and improve shooting.*

### 3. SETUP INSTRUCTIONS

Follow these steps to set up your Mantis X3 system:

1. **Download the MantisX App:** Search for "MantisX" in your device's App Store (iOS) or Google Play Store (Android) and install the application.
2. **Attach the Mantis X3 Smart Sensor:** Securely attach the Mantis X3 device to the Picatinny rail of your pistol or rifle. Ensure it is firmly mounted. If your firearm lacks a Picatinny rail, a separate adapter (sold separately) is required.
3. **Connect to Your Phone:** Open the MantisX app on your smartphone. Turn on the Mantis X3 device. The app will guide you through the Bluetooth pairing process.
4. **Calibrate (if necessary):** Follow any on-screen prompts within the app for initial calibration or setup specific to your firearm.

## TRAINING MODULES & COURSES



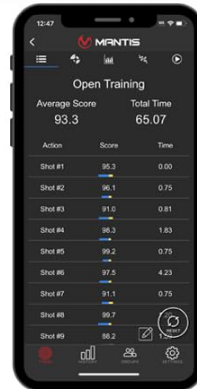
### MANY TRAINING MODES AND COURSES

For beginners through advanced proficiency



### COMPETE WITH FRIENDS

Track, follow, train together



### SHOT TIMER

Duress changes many things

Image: Step-by-step instructions for attaching the Mantis X to a firearm, connecting it to a smartphone, and receiving feedback.

Your browser does not support the video tag.

Video: A brief demonstration of the MantisX Dry Fire Training System, showing the device and app interface.

## 4. OPERATING THE MANTIS X3

The Mantis X3 system provides comprehensive data to improve your shooting. Here's how to utilize its features:

### 4.1 Data-Driven Training

The Mantis X3 tracks the movement of your firearm during every shot, providing a score and detailed analysis. The app offers various training courses and drills with personalized feedback.

- **Trace Movement:** Visualize the movement of your firearm's barrel during the trigger pull.
- **Score & Analyze:** Each shot is scored based on deviation from the aiming position, with detailed analysis of potential issues.
- **Track Progress:** Monitor your performance over time to identify trends and measure improvement.

# DATA DRIVEN TRAINING

## TRACK EVERY SHOT

- Trace your movement to improve aim
- Multiple training courses and drills
- Score & Analyze every shot
- Track your progress over time



*Image: An overview of the Mantis X3's data-driven training capabilities, including shot tracing, scoring, and progress tracking within the app.*

## 4.2 Feedback Mechanism

The MantisX app provides feedback in three key areas:

1. **Score:** A numerical score (up to 100) indicating the quality of your shot based on movement during trigger pull.
2. **Direction:** Identifies the direction of barrel movement during the trigger pull, highlighting tendencies (e.g., shooting left).
3. **Suggestion:** Offers coaching tips and suggestions to address identified issues and improve mechanics.

## HOW DOES MANTIS X OFFER FEEDBACK?

1

### SCORE

Each shot is scored depending on how much you moved away from your sighted position during the trigger pull. The perfect score is 100 (basically impossible unless locked in a vise).

2

### DIRECTION

For each shot, **Mantis X** detects the direction of the barrel movement during the trigger pull. If you tend to shoot left, left sector will light up on the wheel. After a few shots, the training device shows the pattern of your movement.

3

### SUGGESTION

Analyzing an individual shot or the group of shots, **Mantis X** provides you with a suggestion that could improve your shooting mechanics. Read the coaching tips to know how to focus your efforts in the next round of shooting.

Image: Explanation of the Mantis X feedback system, covering shot scoring, directional analysis of movement, and corrective suggestions.

## 4.3 Training Modes and Courses

The MantisX app includes a variety of training modules and courses suitable for all skill levels, from beginners to advanced users. These include daily challenges, open training, shot timers, and more.

|                               | MANTIS X3                | OTHERS           |
|-------------------------------|--------------------------|------------------|
| Coaching & Feedback           | ✓                        | ✗                |
| Number of Drills              | 15                       | 1                |
| Live Fire AND Dry Fire        | ✓                        | ✗                |
| Compatibility                 | Pistol & Rifle           | Caliber Specific |
| Made in the USA               | ✓                        | ✗                |
| Requires Monthly Subscription | No Subscription Required | ✓ - Some         |
| Customer Reviews              | ★★★★★                    | ★★★★☆            |

Image: Screenshots from the Mantis X app showcasing different training modes, courses, and options for competing with friends.

## 5. COMPATIBILITY

The Mantis X3 offers broad compatibility with various firearms and training methods:

- **Firearms:** Compatible with any pistol or rifle.
- **Training Types:** Supports both dry fire and live fire training.
- **Additional Compatibility:** Can be used with airsoft/CO2 guns.
- **Mounting:** Requires a Picatinny rail for attachment. Adapters for firearms without a Picatinny rail are sold separately.

# WORKS WITH ANY

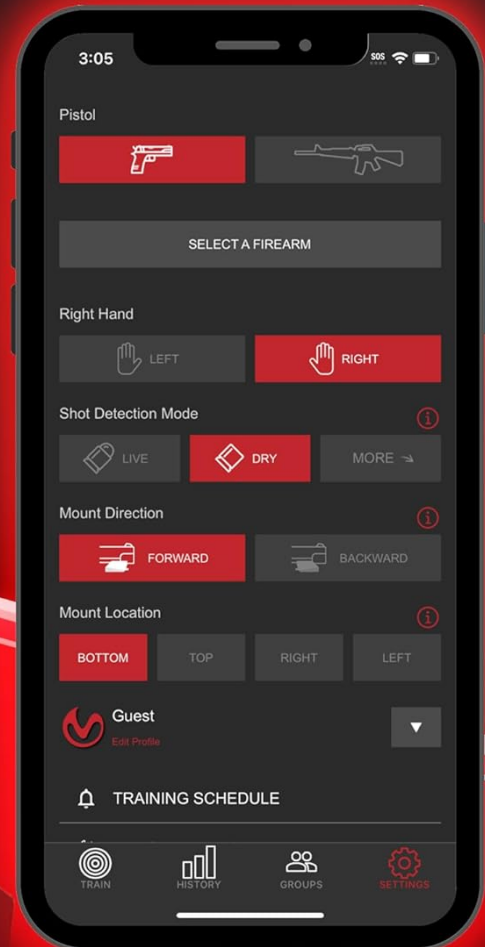
PISTOL



RIFLE



LIVE FIRE  
OR  
DRY FIRE



*Image: The Mantis X3 device highlighting its compatibility with pistols, rifles, and both live and dry fire training scenarios.*

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your Mantis X3 system, follow these general maintenance guidelines:

- **Cleaning:** Keep the smart sensor clean and free from dust, debris, or moisture. Use a soft, dry cloth for cleaning.
- **Charging:** Charge the device using the provided Micro USB cable. Avoid overcharging or completely draining the battery for extended periods.
- **Storage:** Store the Mantis X3 in its protective case when not in use to prevent damage.
- **Software Updates:** Regularly check the MantisX app for software and firmware updates to ensure you have the latest features and improvements.

## 7. TROUBLESHOOTING

If you encounter issues with your Mantis X3, consider the following common troubleshooting steps:

- **Connection Issues:** Ensure Bluetooth is enabled on your smartphone and the Mantis X3 device is powered on. Try restarting both the device and the app.
- **Inaccurate Readings:** Verify that the Mantis X3 is securely attached to the Picatinny rail and that there is no excessive movement or wobble. Ensure the app settings match your firearm and training mode.
- **App Not Responding:** Close and restart the MantisX app. If the issue persists, try reinstalling the app.
- **Battery Life:** If the device is not holding a charge, ensure the Micro USB cable and charging port are clean and undamaged.

For more detailed troubleshooting or persistent issues, refer to the comprehensive instruction guide available within the MantisX app under Settings > Instruction Guide, or contact customer support.

## 8. SPECIFICATIONS

| Feature                           | Detail                   |
|-----------------------------------|--------------------------|
| Item Package Dimensions L x W x H | 5.94 x 4.02 x 2.2 inches |
| Package Weight                    | 0.16 Kilograms           |
| Brand Name                        | Mantis                   |
| Manufacturer                      | Mantis Tech              |
| Part Number                       | MT1002                   |




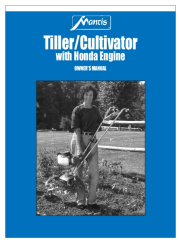


## 9. WARRANTY

The Mantis X3 Shooting Performance System comes with a **2-Year Warranty**. For detailed terms and conditions, please refer to the official Mantis Tech website or contact customer support.

## 10. SUPPORT

For any questions, suggestions, or assistance with your Mantis X3 system, please utilize the following support channels:

- **Email Support:** [help@mantisx.com](mailto:help@mantisx.com)
- **Website:** Visit [www.mantisx.com](http://www.mantisx.com) for additional resources, FAQs, and product information.

|   |  |
|---|--|
|     | <p><a href="#">MANTIS Air Rifle Scope User Manual and Instructions</a></p> <p>Comprehensive guide for MANTIS Air Rifle Scopes (3-9x32AO, 3-9x40AO, 4-12x40AO), covering safe handling, mounting, sighting in, care, and warranty information.</p>  |
|    | <p><a href="#">Mantis RS360 Pre-Dive Checklist and Recommended Settings</a></p> <p>A quick start guide for the MANTIS RS360 dive housing, featuring a pre-dive checklist and recommended settings for the Insta360 ONE RS 1-Inch 360 Edition camera for underwater photography.</p>  |
|    | <p><a href="#">MANTIS COB LED Rechargeable Work Light Operator's Manual - Model LNCMINI</a></p> <p>Operator's manual for the MANTIS LNCMINI COB LED Rechargeable Work Light. Includes safety instructions, operating procedures, charging, maintenance, storage, and warranty information.</p>   |
|  | <p><a href="#">Mantis Tiller/Cultivator with Honda Engine Owner's Manual</a></p> <p>This owner's manual provides comprehensive instructions for the safe operation, assembly, and maintenance of the Mantis Tiller/Cultivator with Honda Engine. It includes safety warnings, assembly steps, starting procedures, tilling and cultivating guidance, maintenance tips, storage instructions, and information on the Border Edger attachment.</p> |
|  | <p><a href="#">Mantis Cordless Tiller/Cultivator 3000 Series Operator's Manual and Safety Instructions</a></p> <p>This operator's manual and safety instructions provides comprehensive guidance for the Mantis Cordless Tiller/Cultivator 3000 Series (model 3458-01, 3458-02), covering assembly, operation, maintenance, and safety precautions.</p>  |
|  | <p><a href="#">Mantis Lawn Aerator Attachment: Operation, Safety, and Warranty Guide</a></p> <p>Comprehensive guide for the Mantis Lawn Aerator attachment, covering product description, detailed safety warnings, operating instructions for mounting and use, and warranty information. Features steel knives for lawn aeration to improve root health and water penetration.</p>   |