

## wheelfun TH15061-AMZUS2-S

# wheelfun HengLong 1/16 M1A2 Abrams Metal Chassis Kit Instruction Manual

Model: TH15061-AMZUS2-S

## 1. INTRODUCTION

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This manual provides detailed instructions for the assembly, operation, and maintenance of your wheelfun HengLong 1/16 M1A2 Abrams Metal Chassis Kit. This kit is designed for hobbyists and enthusiasts looking to upgrade or build a high-quality remote-controlled tank model. Please read this manual thoroughly before beginning any assembly or operation.

### Package Contents:

- Factory original full metal chassis
- Metal Tracks
- Metal Roadwheels
- Metal Sprockets and Idlers
- Metal latest factory original sealed driving gearbox
- Motor

## 2. SAFETY INFORMATION

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**WARNING:** This product is not a toy. It contains small parts and is intended for hobbyists aged 14 years and older. Adult supervision is recommended for younger users. Always exercise caution when handling tools and electronic components. Keep away from water and extreme temperatures.

- Ensure all connections are secure before operation.
- Do not operate in crowded areas or near people/animals.
- Always disconnect power when performing maintenance or adjustments.

## 3. SETUP AND ASSEMBLY

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The wheelfun HengLong 1/16 M1A2 Abrams Metal Chassis Kit comes partially assembled. This section guides you through the final assembly steps.

### 3.1 Inspecting Components

Before assembly, carefully inspect all components for any signs of damage during shipping. If any parts are damaged, please contact customer support immediately.

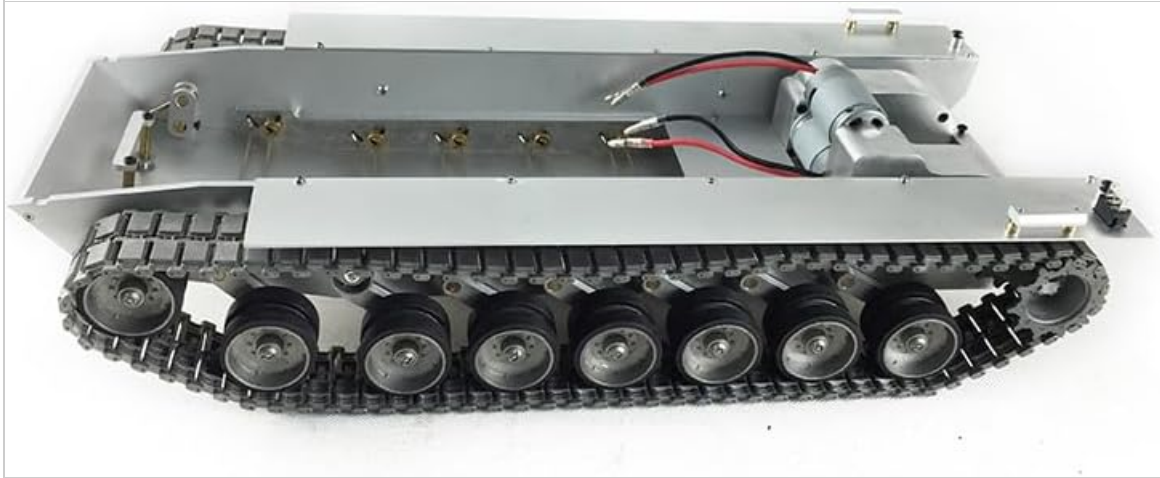


Figure 1: Top-down view of the assembled metal chassis, showing tracks and roadwheels.

### 3.2 Chassis Overview

The core of your tank model is the full metal chassis. It provides a robust and durable foundation for all other components. The driving gearbox and motor are pre-installed.

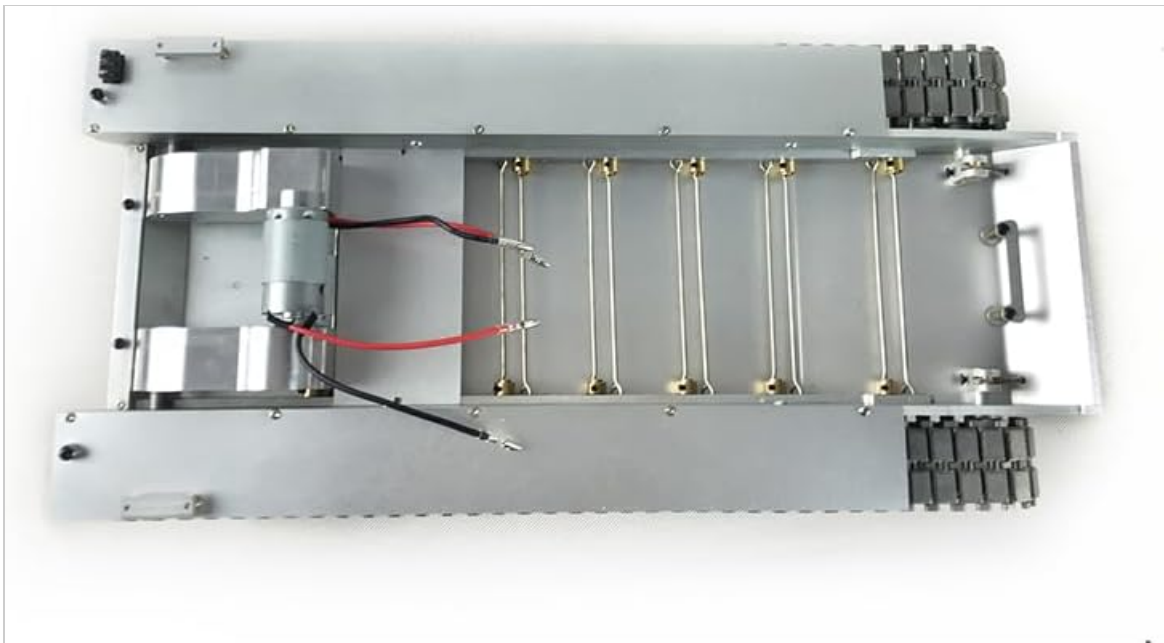


Figure 2: Bottom view of the metal chassis, highlighting the suspension and track mounting.

### 3.3 Motor and Gearbox Connection

The metal driving gearbox and motor are factory-sealed and pre-installed. Ensure the red and black wires from the motor are securely connected to your tank's main control board (not included). Observe polarity: red to positive (+), black to negative (-).

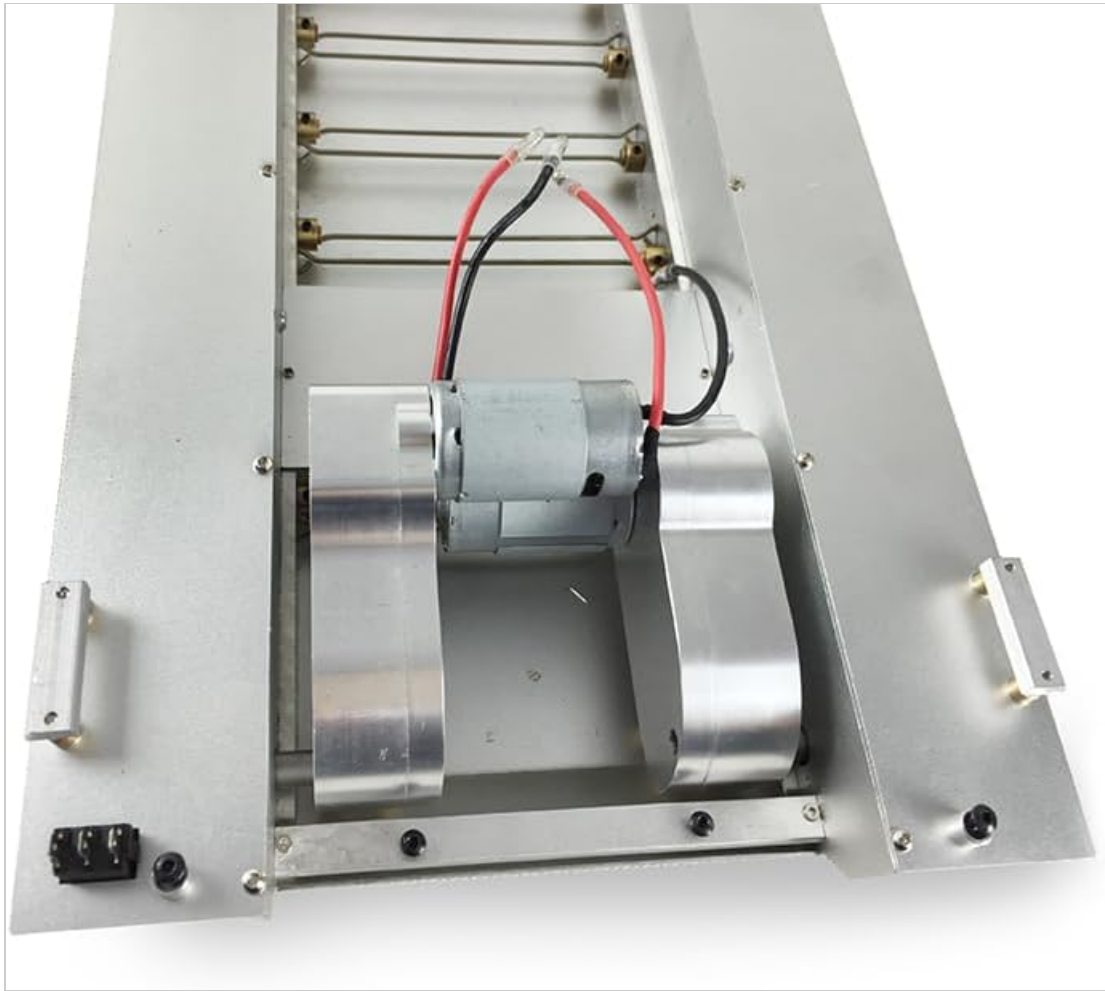


Figure 3: Detail of the pre-installed motor and sealed driving gearbox.

### 3.4 Track and Roadwheel Installation

The metal tracks, roadwheels, sprockets, and idlers are typically pre-assembled onto the chassis. Verify that all roadwheels spin freely and that the tracks have appropriate tension. The tracks should not be too tight (which can strain the motor) or too loose (which can cause them to fall off).

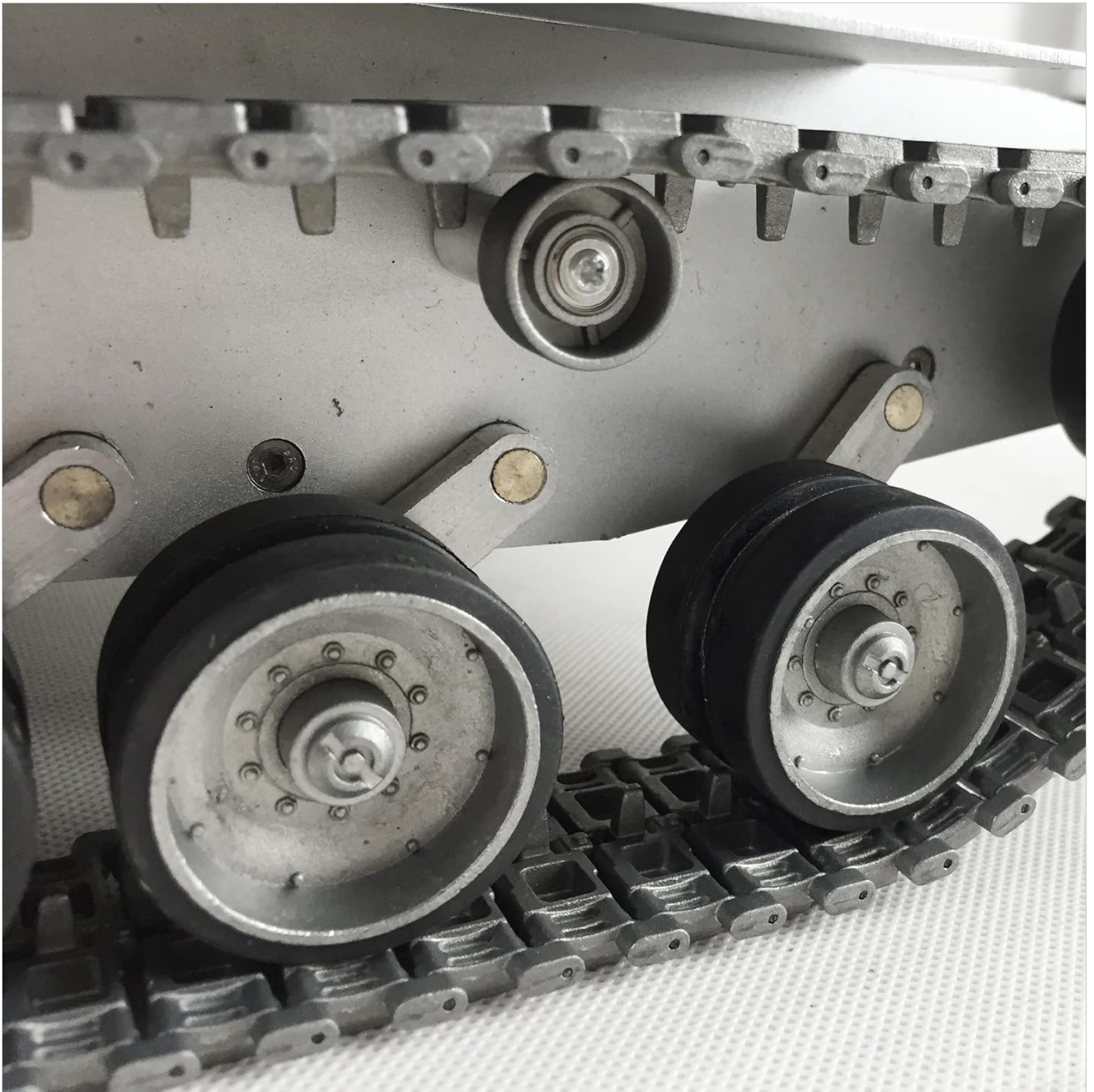


Figure 4: Close-up of the metal roadwheels and tracks.

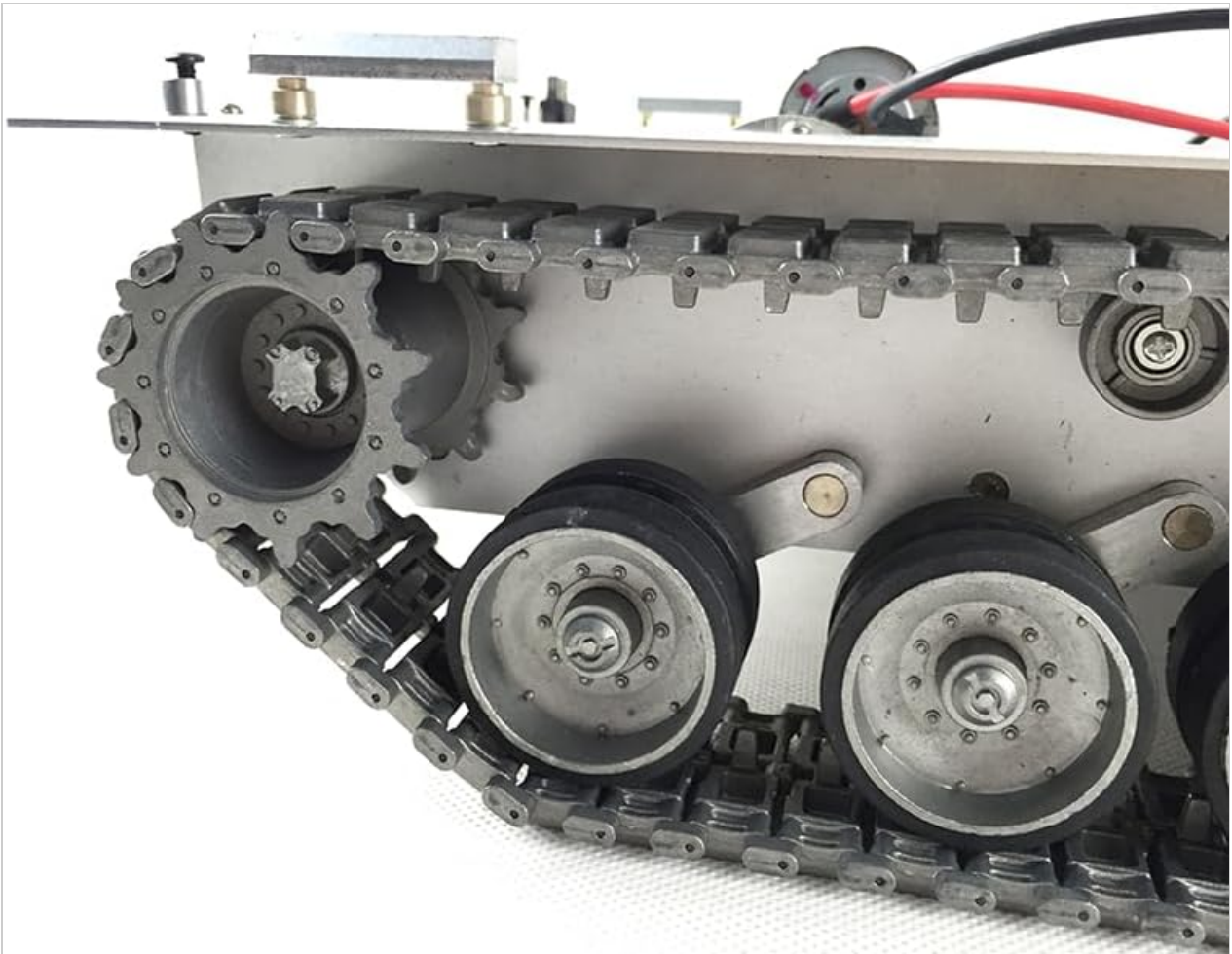


Figure 5: Detail of the metal sprocket and track engagement.

## 4. OPERATING INSTRUCTIONS

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This metal chassis kit forms the base of your RC tank. To operate the tank, you will need to integrate it with a compatible main control board, receiver, transmitter, and power source (e.g., Lithium-Ion battery, not included). Ensure all electronic components are correctly installed and configured according to their respective manuals.

### 4.1 Power Source

The chassis requires an external power source, typically a Lithium-Ion battery (1 required, not included). Connect the battery to your tank's control board, ensuring correct polarity. Refer to your control board's manual for specific battery requirements and connection procedures.

### 4.2 Control System Integration

Connect the motor wires from the gearbox to the motor output ports on your tank's main control board. The control board will interpret signals from your remote control (transmitter) to drive the motors and move the tank. Calibrate your remote control and tank as per the control system's instructions.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your metal chassis kit.

- **Cleaning:** After each use, especially in dusty or dirty environments, clean the tracks and roadwheels to remove debris. Use a soft brush or compressed air.
- **Lubrication:** Periodically apply a small amount of light machine oil to the axles of the roadwheels and idlers to

ensure smooth operation. Avoid over-lubricating.

- **Track Tension:** Check track tension regularly. Adjust if necessary to prevent excessive wear or derailment.
- **Component Inspection:** Routinely inspect all metal components for wear, damage, or loose fasteners. Tighten any loose screws.
- **Storage:** Store the chassis in a clean, dry place away from direct sunlight and extreme temperatures.

## 6. TROUBLESHOOTING

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This section addresses common issues you might encounter with your metal chassis kit.

Problem	Possible Cause	Solution
Tracks frequently derail	Incorrect track tension; debris in tracks/roadwheels; worn idlers/sprockets.	Adjust track tension. Clean tracks and roadwheels. Inspect and replace worn parts.
Motor not responding	Loose wiring; power issue; faulty motor/gearbox (rare).	Check all electrical connections for secure fit and correct polarity. Ensure battery is charged and connected. If issue persists, consult your control board manual or contact support.
Unusual noise from drivetrain	Lack of lubrication; debris in gearbox; worn gears.	Lubricate roadwheel axles. Inspect for debris. If noise persists, the sealed gearbox may require professional inspection.

For severe breakage or issues not covered here, please refer to the [Warranty and Support](#) section.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	wheelfun
Model Name	TH15061-AMZUS2-S
Scale	1/16
Material Type	Metal
Included Components	Metal Chassis, Metal Tracks, Metal Roadwheels, Metal Sprockets and idlers, Metal Driving Gearbox, Motor
Item Dimensions (L x W x H)	24.4 x 14 x 6.4 inches
Power Source	External Power Source (Lithium-Ion battery required, not included)
Operation Mode	Manual (requires external RC control system)
Recommended Age	Adult (14+ years)

## 8. WARRANTY AND SUPPORT

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wheelfun is committed to providing high-quality products and excellent customer service. If you encounter any issues with your product, please contact us directly before attempting complex repairs or opening a case.

## 8.1 After-Sale Service

We offer comprehensive after-sales support. If your tank chassis experiences breakage during shipping or use, please contact us. We can provide guidance and assistance to help you restore it. We stock all necessary parts for this tank model.

Our professional after-sales and technical maintenance teams are available to provide guidance in English through video or text for repairs. While we can provide upgrade parts, installation requires user ability.

## 8.2 Contact Information

For support, please visit the official wheelfun store on Amazon or contact us through the Amazon messaging system.

[Visit the wheelfun Store on Amazon](#)