

## Amewi 22351

# Amewi 1:16 Brushed 4WD RC Pick-Up Truck Kit (Model 22351) Instruction Manual

This manual provides essential information for the assembly, setup, operation, and maintenance of your Amewi 1:16 Brushed 4WD RC Pick-Up Truck Kit.

## 1. INTRODUCTION

Thank you for choosing the Amewi 1:16 Brushed 4WD RC Pick-Up Truck Kit. This model is designed for enthusiasts aged 14 and above, offering a rewarding building experience and excellent off-road performance. Please read this manual thoroughly before assembly and operation to ensure proper use and longevity of your model.



*The Amewi 1:16 Brushed 4WD RC Pick-Up Truck, showcasing its robust design and off-road tires.*

## 2. SAFETY INSTRUCTIONS

Adhering to these safety guidelines is crucial for preventing injury and damage to the model.

- This product is not suitable for children under 14 years of age without adult supervision.

- Operate the RC truck in open, clear areas, away from people, pets, vehicles, and obstacles.
- Never operate the model near water, including puddles, rivers, or lakes, unless specifically designed for such conditions.
- Always use approved batteries and chargers. Follow battery manufacturer's instructions for charging and handling.
- Do not touch moving parts (wheels, gears, motor) during operation to avoid injury.
- Turn off the model and transmitter when not in use. Disconnect the battery after use.
- Keep small parts out of reach of young children to prevent choking hazards.

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### 3. PACKAGE CONTENTS

The Amewi 1:16 Brushed 4WD RC Pick-Up Truck is supplied as a kit. Please verify all components are present before beginning assembly.

- Vehicle Kit components (unassembled chassis, body, wheels, suspension parts, etc.)
- Brushed Electric Motor
- Steering Servo
- Instruction Manual

**Note:** Additional items required for operation (not included):

- Transmitter (Remote Control)
- Receiver
- Electronic Speed Controller (ESC)
- Battery Pack (for vehicle)
- Battery Charger

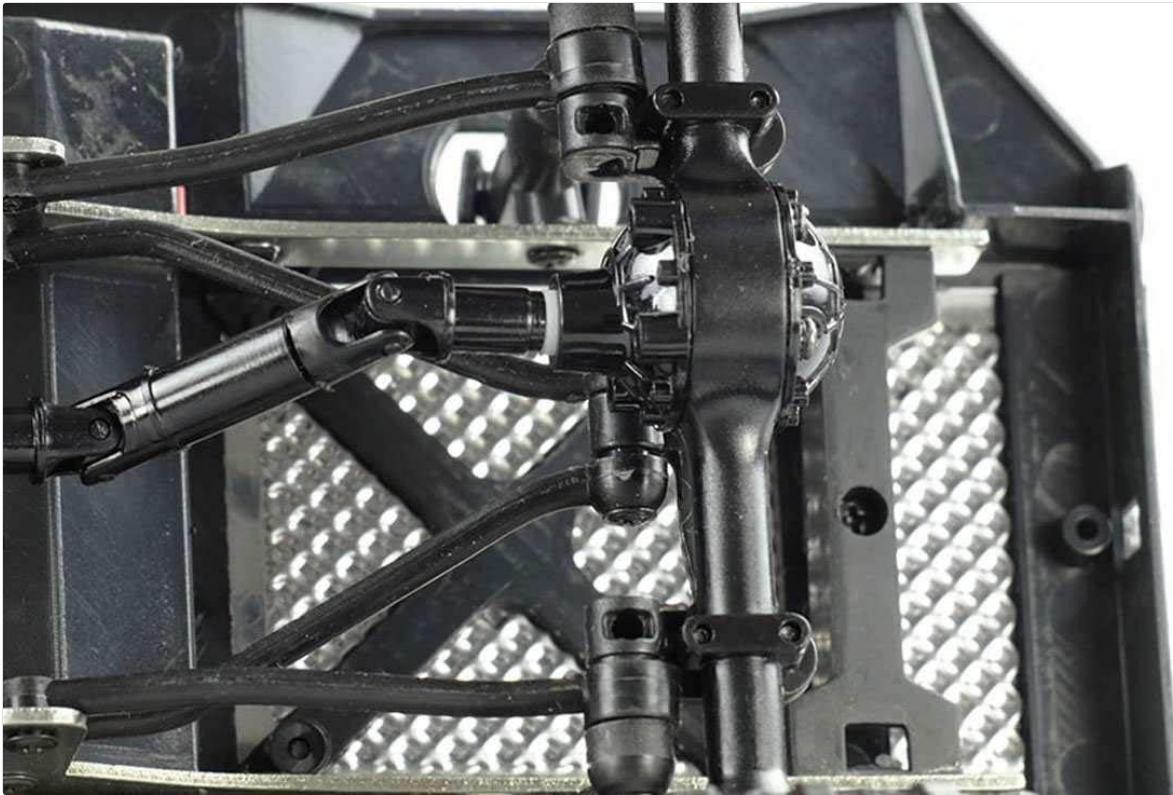


*An overview of the kit components included in the package, ready for assembly. This includes the main body, chassis parts, wheels, and various mechanical and electronic components.*

## 4. ASSEMBLY INSTRUCTIONS

This kit requires assembly. Follow the steps carefully. Some steps may require soldering for optimal electronic connections.

- 1. Chassis Assembly:** Begin by assembling the main chassis frame. Ensure all screws are tightened securely but do not overtighten.
- 2. Axle and Suspension Installation:** Attach the front and rear axles, along with the suspension components. Refer to the detailed diagrams in the included manual for correct orientation and assembly.



*Detailed view of the chassis underside, highlighting the drive shaft and differential assembly. Proper installation of these components is crucial for 4WD functionality.*

- 3. Motor and Steering Servo Installation:** Mount the brushed electric motor and steering servo into their designated positions on the chassis. Connect the servo linkage to the steering mechanism.
- 4. Wheel Assembly:** Mount the tires onto the wheel rims and attach them to the axles. Ensure they spin freely without obstruction.



*A detailed view of the wheel and tire assembly, emphasizing the robust tread pattern suitable for off-road conditions.*

- 5. Body Assembly:** Assemble the pick-up truck body panels. Secure them to the chassis using the provided clips or screws.
- 6. Electronics Wiring:** Connect the motor and steering servo to the Electronic Speed Controller (ESC) and receiver. This step may require soldering for optimal connections. Ensure correct polarity and

secure all wires.

7. **Final Inspection:** Before proceeding, perform a thorough visual inspection to ensure all parts are correctly assembled and secured. Check for any loose screws or improperly connected components.

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## 5. INITIAL SETUP

Once assembly is complete, follow these steps to prepare your RC truck for its first operation.

1. **Transmitter Pairing:** Follow the instructions provided with your specific transmitter and receiver to pair them. Ensure the receiver is securely mounted in the vehicle and its antenna is properly positioned.
2. **Battery Installation:** Install a fully charged battery pack into the designated battery compartment. Secure it firmly to prevent movement during operation.
3. **ESC Calibration:** Calibrate your Electronic Speed Controller (ESC) with your transmitter according to the ESC's specific instructions. This ensures proper throttle response and brake function.
4. **Steering Trim:** Adjust the steering trim on your transmitter so that the front wheels are perfectly straight when the steering wheel or stick is centered.

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## 6. OPERATING INSTRUCTIONS

Always operate your RC truck in a safe, open area, away from people, pets, and obstacles.

1. **Power On Sequence:** Always turn on your transmitter first, then turn on the RC truck's power switch.
2. **Driving Controls:** Use the transmitter's throttle trigger or stick to control forward and reverse movement. Use the steering wheel or stick to control left and right turns.
3. **Off-Road Driving:** The 4WD system and robust suspension are designed for off-road terrain. Drive cautiously over obstacles and uneven surfaces to avoid damage.
4. **Power Off Sequence:** Always turn off the RC truck's power switch first, then turn off your transmitter. This prevents accidental acceleration.

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## 7. MAINTENANCE

Regular maintenance will extend the life and performance of your Amewi RC truck.

- **Cleaning:** After each use, clean dirt, dust, and debris from the chassis, suspension, and motor. Use a soft brush, compressed air, or a damp cloth (ensure electronics are dry).
- **Inspection:** Regularly inspect all screws, linkages, and moving parts for looseness, wear, or damage. Tighten or replace components as necessary.
- **Lubrication:** Apply appropriate RC-specific lubricant to moving parts such as universal joints, gears, and bearings as needed to reduce friction and wear.
- **Battery Care:** Store batteries in a cool, dry place. Follow manufacturer guidelines for charging, discharging, and storage to maximize battery life and safety.

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## 8. TROUBLESHOOTING

This section addresses common issues you might encounter with your RC truck.

Problem	Solution
Truck does not respond to transmitter.	Ensure transmitter and truck are powered on and batteries are charged. Re-pair transmitter and receiver. Check all wiring connections between receiver, ESC, and battery.
Steering is erratic or unresponsive.	Check steering servo connection and functionality. Inspect steering linkages for obstructions or damage. Adjust steering trim on the transmitter.
Motor not running or running slowly.	Check battery charge. Inspect motor and ESC connections for looseness or damage. Ensure ESC is calibrated correctly with the transmitter.
Unusual noises during operation.	Inspect gears for debris, wear, or damage. Check for loose components, bearings, or universal joints that may be causing friction.

## 9. TECHNICAL SPECIFICATIONS

- **Model:** 22351
- **Scale:** 1:16
- **Drive Type:** 4-Wheel Drive (4WD)
- **Motor Type:** Brushed Electric
- **Dimensions (L x W x H):** Approximately 310 mm x 140 mm x 140 mm (12.2 x 5.5 x 5.5 inches)
- **Weight:** Approximately 0.6 kg (1.32 lbs)
- **Recommended Age:** 14 years and up
- **Kit Type:** Unassembled Kit (Requires additional electronics for Ready-to-Run functionality)

## 10. WARRANTY AND SUPPORT

For warranty information and technical support regarding your Amewi 1:16 Brushed 4WD RC Pick-Up Truck Kit, please refer to the official Amewi website or contact your authorized dealer. It is recommended to retain your proof of purchase for any warranty claims.

### Related Documents - 22351

 <p>TELEOCERAS 4WD MONSTER TRUCK 1:12 RTR DAPHOENODON 4WD STUNT TRUCK 1:12 RTR</p> <p>Artnr. Nr. / Item No. 22697 / 22705 2020 / 2020</p> <p>BEDIENUNGSANLEITUNG / MANUAL</p>	<p><a href="#">AMEWI TELEOCERAS &amp; DAPHOENODON 4WD Monster/Stunt Truck 1:12 RTR User Manual</a></p> <p>User manual for AMEWI TELEOCERAS and DAPHOENODON 1:12 scale 4WD RC Monster and Stunt Trucks. Includes setup, operation, safety, maintenance, and troubleshooting information.</p>
 <p>TELEOCERAS 4WD STUNT TRUCK 1:12 RTR</p> <p>Artnr. Nr. / Item No. 22697 / 22705 2020 / 2020</p> <p>BEDIENUNGSANLEITUNG / MANUAL</p>	<p><a href="#">AMEWI Daphoenodon/Teleoceras 4WD RC Truck Instruction Manual</a></p> <p>Comprehensive instruction manual for the AMEWI Daphoenodon and Teleoceras 4WD RC Monster Truck and Stunt Truck, covering setup, operation, safety, battery handling, disposal, and troubleshooting.</p>
	<p><a href="#">AMEWI Mercedes-Benz AROCS 6x4 Remote Control Truck Instruction Manual</a></p> <p>Detailed instructions and specifications for the AMEWI Mercedes-Benz AROCS 6x4 remote control truck, including battery installation, charging, operation, and safety guidelines.</p>
	<p><a href="#">AMEWI Mercedes-Benz Arocs Grapple Dump Truck - Remote Control Toy Instruction Manual</a></p> <p>Detailed instruction manual for the AMEWI Mercedes-Benz Arocs Grapple Dump Truck (Item No. 22568). Learn how to operate the remote control, charge the battery, and use the truck's functions, including the grappler arm. Includes safety precautions and technical specifications.</p>
 <p>CONQUER RACE TRUGGY 1:16 GANTTRY CROSS-COUNTRY TRUCK 1:16</p> <p>BEDIENUNGSANLEITUNG / MANUAL</p>	<p><a href="#">AMEWI Conquer Race Truggy &amp; Gantry Cross-Country Truck 1:16 User Manual</a></p> <p>Comprehensive user manual for AMEWI's 1:16 scale Conquer Race Truggy and Gantry Cross-Country Truck, covering operation, safety, maintenance, troubleshooting, and assembly instructions.</p>
 <p>6+</p> <p>RC Monster Truck Die Cast 1:64</p> <p>22697 / 22705</p> <p>AMEWI</p>	<p><a href="#">AMEWI RC Monster Truck Die Cast 1:64 Navodila za uporabo</a></p> <p>Obsežna navodila za uporabo za AMEWI RC Monster Truck Die Cast 1:64 (modeli 22697, 22705). Vključuje informacije o varnosti, ravnanju z baterijami, delovanju, tehničnih specifikacijah in odpravljanju težav.</p>