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Amewi 22657

Amewi AMXRock Crosstrail Crawler 4WD 1:10 ARTR Instruction Manual

Model: 22657

INTRODUCTION

The Amewi AMXRock Crosstrail Crawler 4WD 1:10 ARTR is an advanced remote-controlled vehicle designed for challenging off-road adventures. This manual provides essential information for setting up, operating, and maintaining your crawler to ensure optimal performance and longevity. Please read this manual thoroughly before operating the vehicle.



This image shows the front of the Amewi AMXRock Crosstrail Crawler, highlighting its robust bumper, integrated winch, and LED light bar on the roof rack. The large, aggressive tires and high ground clearance are also visible.

SAFETY WARNINGS

Warning! Not suitable for children under 14 years. Contains small parts that could be swallowed. Adult supervision is recommended during operation.

- Always operate the vehicle in open areas, away from people, pets, and obstacles.
- Do not operate near public roads or in crowded areas.
- Keep hands, hair, and loose clothing away from moving parts.
- Ensure the battery is correctly installed and charged according to manufacturer guidelines.
- Do not expose the vehicle or its components to extreme temperatures or moisture.
- Turn off the vehicle and remote control when not in use.

KEY FEATURES

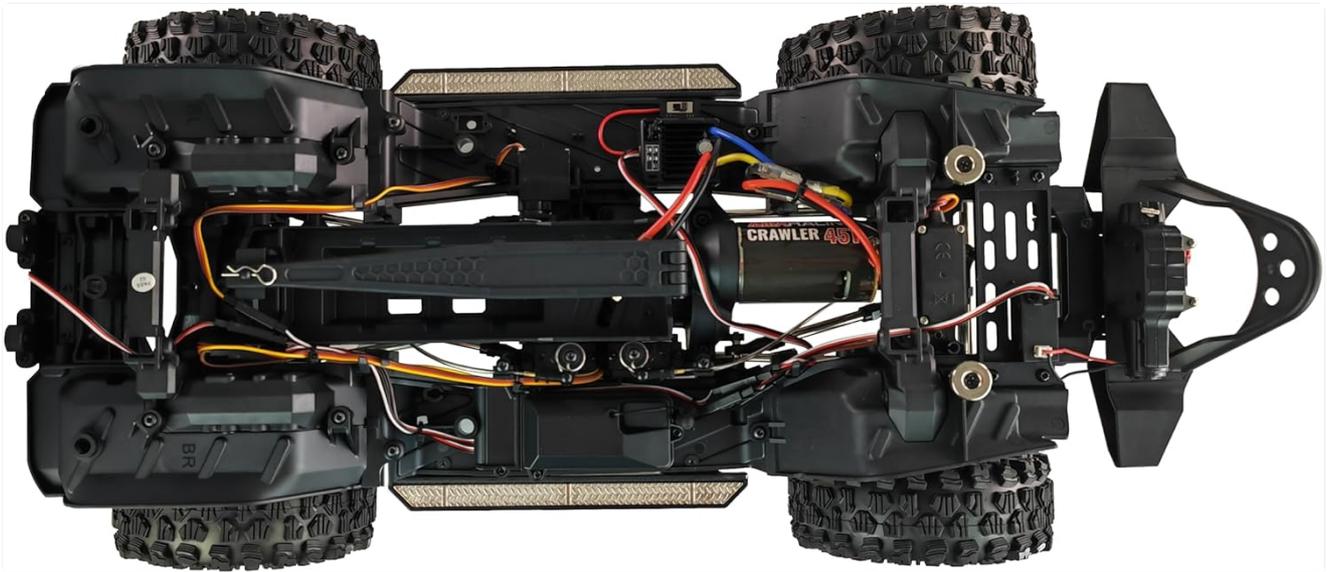
- **Hobbywing WP-1060 60A Brushed ESC with Mountainbreak:** Provides precise crawler control for

demanding maneuvers and total control in challenging conditions.

- **Specially Designed Shock Absorbers:** Engineered to compensate for track irregularities and withstand all terrain stresses.
- **Portal Axles with Metal Gears and CVD Drive Shafts:** Offers increased ground clearance and enhanced power delivery to the wheels, improving off-road characteristics and ensuring drivetrain component longevity.
- **2-Speed Transmission and Individual Differential Locks:** Both functions are separately controllable from the transmitter, allowing for improved climbing capabilities on particularly rough terrain.
- **Sealed Receiver Box:** Protects against water and dirt, enabling worry-free driving through puddles and mud.
- **Controllable High-Torque Winch:** Located at the front, fully functional for safely navigating steep climbs or assisting other vehicles in difficult situations.
- **LED Lighting:** Front and rear LED lights with turn signals, integrated into the hood and roof lights.
- **Large Battery Compartment:** Accommodates batteries up to 6000-7000 mAh (e.g., NiMh 7.2V or LiPo 7.4V with Deans connector) for extended run times.
- **Foldable Hood with Magnetic Holders:** Allows quick access for battery changes and maintenance without cumbersome body pins.
- **Scale Details:** Includes tow hook, shackle, and a full spare wheel mounted on the frame and body.



A close-up view of the crawler's front section with the body removed, revealing the chassis, front suspension components, shock absorbers, and portal axles. This illustrates the internal structure and robust design.



This image displays the underside of the crawler's chassis, with the body removed. It highlights the central battery compartment, motor, ESC (Electronic Speed Controller), and other electronic components, demonstrating their protected placement.

SETUP GUIDE

Follow these steps to prepare your AMXRock Crosstrail Crawler for its first use:

1. **Unpack the Crawler:** Carefully remove the crawler and all accessories from its packaging. Inspect for any damage.
2. **Charge and Install Battery:** Ensure your NiMh 7.2V or LiPo 7.4V battery (recommended 3000mAh or higher with Deans connector, not included) is fully charged using a compatible charger. Open the battery compartment and securely insert the charged battery. Close the compartment.
3. **Prepare the Remote Control:** Install the required batteries (not included) into the 2.4 GHz 6-channel remote control.
4. **Power On:** First, turn on the remote control. Then, turn on the crawler's power switch. Wait for the remote control and crawler to establish a connection.
5. **Function Check:** Test the steering, throttle, 2-speed transmission, differential locks, and winch functions to ensure everything is operating correctly before driving.



The 2.4 GHz 6-channel remote control for the Amewi AMXRock Crosstrail Crawler. It features a steering wheel, throttle trigger, and various switches for controlling the vehicle's functions like 2-speed transmission, differential locks, and winch.

OPERATING INSTRUCTIONS

The AMXRocK Crosstrail Crawler is designed for precision and control in challenging terrains. Familiarize yourself with the remote control functions before attempting complex maneuvers.

Remote Control Functions:

- **Steering Wheel:** Controls left and right direction.
- **Throttle Trigger:** Pull to move forward, push to brake/reverse.
- **2-Speed Transmission Switch:** Use to shift between high and low gears for different terrains. Low gear provides more torque for climbing, high gear for speed.
- **Differential Lock Switches:** Engage or disengage individual differential locks for improved traction on uneven surfaces. Locking differentials ensures both wheels on an axle spin at the same rate.
- **Winch Control:** Operate the front winch to pull the crawler out of difficult situations or assist other vehicles.
- **Light Control:** Activate or change patterns for the LED lights.

Driving Tips:

- Start with slow speeds to get a feel for the crawler's response.
- Utilize the 2-speed transmission and differential locks strategically for optimal performance on varied terrain.
- When climbing steep inclines, maintain a steady throttle and use low gear.
- When descending, use the Mountainbreak feature of the ESC for controlled braking.
- Avoid prolonged exposure to water, despite the sealed receiver box.

MAINTENANCE

Regular maintenance will extend the life and performance of your crawler.

- **Cleaning:** After each use, clean the vehicle to remove dirt, dust, and debris. Use a soft brush or compressed air. Avoid using water directly on electronic components.
- **Inspection:** Regularly check all screws, nuts, and bolts for tightness. Inspect suspension components, drive shafts, and gears for wear or damage.
- **Lubrication:** Apply appropriate RC-grade lubricant to moving metal parts as needed, such as universal joints and gearboxes (if accessible).
- **Battery Care:** Always disconnect and remove the battery after use. Store batteries in a cool, dry place. Follow battery manufacturer's instructions for charging and storage.
- **Tire Care:** Check tires for wear and tear. Ensure proper inflation if applicable.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---|--|--|
| Vehicle does not respond to remote control. | Low battery in vehicle or remote control; remote control not turned on; binding issue. | Charge/replace batteries. Ensure remote control is on. Re-bind remote control to vehicle (refer to remote control manual). |

| Problem | Possible Cause | Solution |
|--------------------------------------|---|---|
| Vehicle runs slowly or lacks power. | Low vehicle battery; motor/ESC overheating; debris in drivetrain. | Recharge vehicle battery. Allow components to cool. Clean drivetrain. |
| Steering is erratic or unresponsive. | Damaged servo; loose steering linkage; low battery. | Inspect servo and linkages. Recharge battery. |
| Unusual noises during operation. | Damaged gears; foreign object in drivetrain. | Inspect gears for damage. Remove any obstructions. |

SPECIFICATIONS

| Feature | Detail |
|------------------------|---|
| Model Number | 22657 |
| Scale | 1:10 |
| Dimensions (L x W x H) | 56.8 x 25 x 27.2 cm |
| Weight | 3.34 kg |
| Material | Plastic |
| Power Source | Battery Powered (NiMh 7.2V or LiPo 7.4V, recommended from 3000mAh with Deans connector) |
| Recommended Age | 14 years and up |
| ESC | Hobbywing WP-1060 60A Brushed with Mountainbreak |
| Transmission | 2-Speed |
| Axles | Portal Axles with Metal Gears |
| Special Features | Controllable Winch, LED Lighting, Foldable Hood, Differential Locks |

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or visit the official Amewi website. Keep your proof of purchase for any warranty claims.

Manufacturer Reference: 22657