

[Manuals.plus](#) /

› [Helidirect](#) /

› Helidirect HPI Venture18 Brushed 1985 Toyota Hilux SR5 1/18 RTR 4WD Crawler Instruction Manual

Helidirect HPI16080

Helidirect HPI Venture18 Brushed 1985 Toyota Hilux SR5 1/18 RTR 4WD Crawler Instruction Manual

Model: HPI16080

Brand: Helidirect

1. INTRODUCTION

The Helidirect HPI Venture18 Brushed 1985 Toyota Hilux SR5 Scale Crawler is a compact 1/18th scale remote control vehicle designed for authentic scale realism and impressive performance. It features a fully licensed 1985 Toyota Hilux polycarbonate body with hard plastic details, replicating the iconic pickup truck with stunning accuracy. Built with a robust steel C-channel chassis, a 2-speed transmission, LED lighting, and an upgraded steering servo, it offers an unparalleled crawling experience for enthusiasts.

This manual provides essential information for setting up, operating, and maintaining your Venture18 crawler. Please read it thoroughly before first use to ensure safe and optimal performance.

2. WHAT'S IN THE BOX

- Venture18 Brushed 1985 Toyota Hilux SR5 Scale Crawler (1)
- 600mAh 2S LiPo battery with XT-30 connector (1)
- USB balance charger (1)
- RL-700 LED light controller (1)
- 6-Channel radio system (1)

3. SETUP

Follow these steps to prepare your Venture18 for operation:

1. **Unpack the Crawler:** Carefully remove the Venture18 from its packaging.
2. **Charge the Battery:** Connect the included 600mAh 2S LiPo battery to the USB balance charger. Plug the charger into a suitable USB power source. The charger's indicator light will show charging status. Ensure the battery is fully charged before first use.
3. **Install the Battery:** Locate the battery compartment on the crawler. Securely install the charged 600mAh 2S LiPo battery, ensuring the XT-30 connector is properly connected.
4. **Attach the Body:** Place the fully licensed 1985 Toyota Hilux polycarbonate body onto the chassis. The clipless

mounting system ensures a clean, seamless look.

5. **Power On:** First, turn on the 6-channel radio system. Then, turn on the Venture18 crawler. Ensure both are properly linked before operating.



Image: Internal chassis and electronics layout of the Venture18 crawler.

Video: Unboxing and initial setup of a similar CR-18P PRO model, demonstrating component layout and battery installation.

4. OPERATING INSTRUCTIONS

The Venture18 is designed for off-road crawling and trail runs. Its advanced features provide precise control and durability.

- **Radio System:** Use the 6-channel radio system for control. The steering wheel controls direction, and the trigger controls forward/reverse movement.
- **2-Speed Transmission:** The crawler features a 2-speed transmission for versatility. Shift between low gear for maximum torque and control during crawling, and high gear for faster trail runs. Refer to your radio system's manual for specific gear shifting controls.
- **LED Lighting:** The RL-700 LED light controller manages the headlights, taillights, brake lights, and turn signals. Five LED modes allow customization for enhanced visibility and realism.
- **Off-Road Capability:** The steel C-channel chassis, portal axles, and oil-filled shocks provide excellent ground clearance and suspension articulation for tackling challenging terrains.

Video: Overview of the Hobbyplus Evo RockVan and Convoy models, highlighting features like portal axles, 2-speed transmission, and overall performance.



Image: Front view of the HPI Venture18 Brushed 1985 Toyota Hilux SR5 Scale Crawler, showcasing its detailed front grille and illuminated headlights.



Image: Rear view of the HPI Venture18 Brushed 1985 Toyota Hilux SR5 Scale Crawler, displaying the detailed tailgate and illuminated taillights.

5. MAINTENANCE

Regular maintenance ensures the longevity and performance of your Venture18 crawler.

- **Cleaning:** After each use, especially in dusty or wet conditions, clean the crawler to remove dirt and debris. Use a soft brush or compressed air. Avoid using harsh chemicals.
- **Battery Care:** Always disconnect the battery after use. Store LiPo batteries in a cool, dry place and never leave them fully charged or fully discharged for extended periods. Follow all safety guidelines for LiPo batteries.
- **Inspections:** Periodically check all screws, linkages, and moving parts for looseness or damage. Tighten as necessary and replace any worn or broken components.
- **Lubrication:** Apply appropriate lubricants to moving metal parts as needed to reduce friction and wear.

6. TROUBLESHOOTING

If you encounter issues with your Venture18, refer to the following common problems and solutions:

- **No Power:** Ensure the battery is fully charged and properly connected. Check that both the radio system and the crawler are powered on.
- **Loss of Control/Interference:** Verify that the radio system and crawler are properly bound. Check for any sources of interference in the operating environment. Ensure the radio system batteries are fresh.
- **Reduced Performance:** A partially discharged battery can lead to reduced performance. Fully charge the battery.

Check for any obstructions in the drivetrain or wheels.

- **Steering Issues:** Inspect the steering servo and linkages for any damage or obstructions. Ensure the steering trim on the radio system is centered.

7. SPECIFICATIONS

Feature	Detail
Length	272mm
Width	127mm
Height	125.6mm (with Rollbar Lights)
Wheelbase	155.4mm
Weight (Running)	0.50kg
Break-over angle	55 deg
Approach angle	50.5 deg
Departure angle	44.8 deg
Max climb angle	57 deg
Max tilt angle	43 deg
Axle articulation	25.5 deg
Ground clearance	28.7mm
Axle ground clearance	17mm
Transmission gearing	Low Gear - 81.44:1, High Gear - 20.36:1
Axle gearing	2.54:1
Motor	Brushed 180 50T
Battery	600mAh 2S LiPo with XT-30 connector
Radio System	6-channel
Electronics	Waterproof

8. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Helidirect customer service. Keep your purchase receipt as proof of purchase. Detailed contact information can typically be found on the product packaging or the official Helidirect website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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

Open the live page

<https://manuals.plus/asin/B0DT4RHKFF>

More documents and user manuals: <https://manuals.plus/>