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Amewi ATXB8

Amewi ATXB8 8-Channel Remote Control and Receiver User Manual

Model: ATXB8 (28388)

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1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Amewi ATXB8 8-Channel Remote Control and its accompanying 8-Channel Receiver. The ATXB8 is designed for functional models, boats, on-road/off-road models, and crawlers, offering extensive programmability and real-time telemetry.



Figure 1: Front view of the Amewi ATXB8 8-Channel Remote Control.

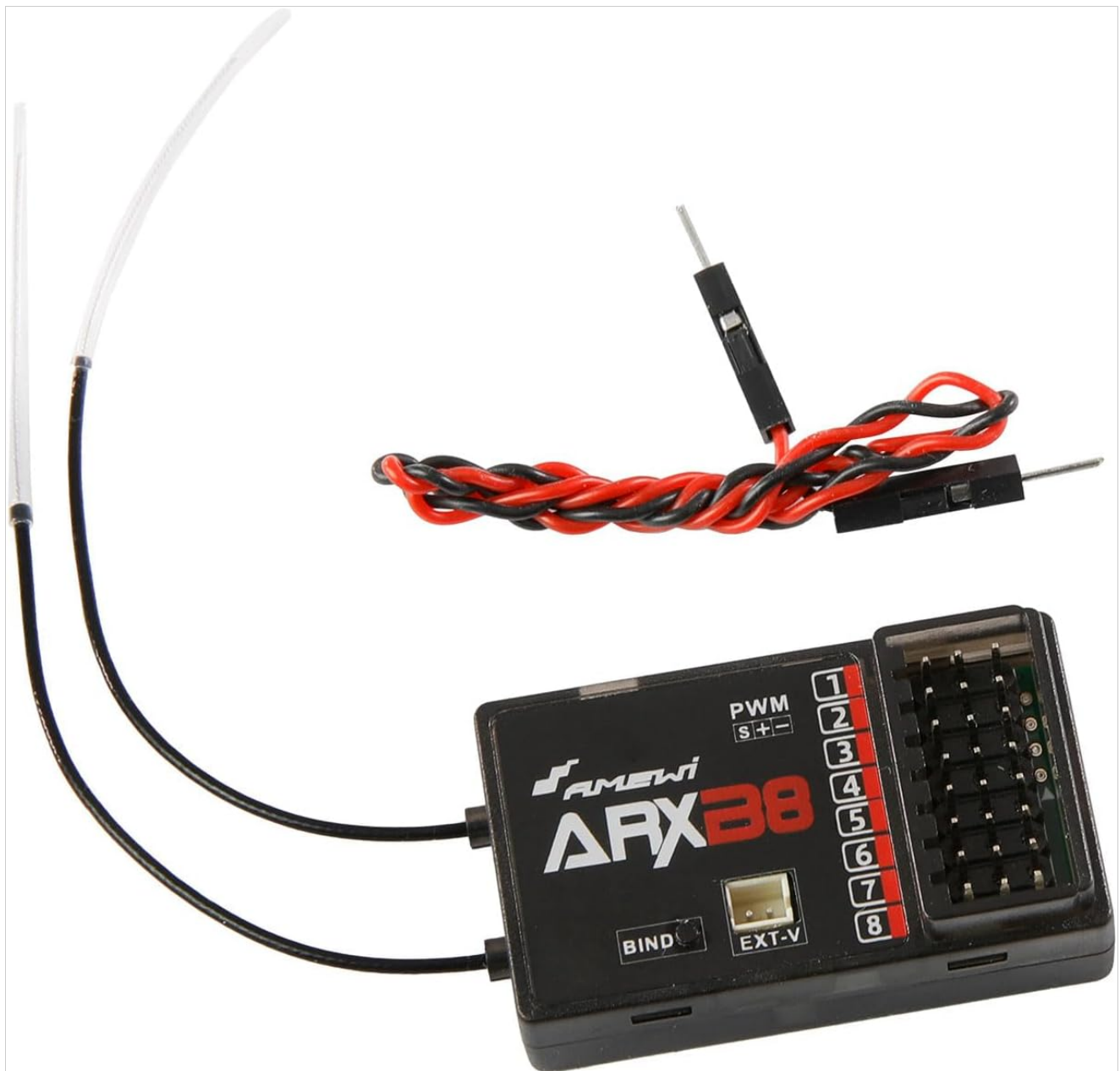
2. SAFETY INFORMATION

- Always operate your remote control system in a safe environment, away from people, animals, and obstacles.
- Ensure all batteries are fully charged before operation.
- Verify proper binding between the transmitter and receiver before each use.
- Do not expose the remote control or receiver to moisture or extreme temperatures.
- Keep the device away from strong electromagnetic fields.
- Regularly inspect all components for damage. Do not use damaged equipment.

3. PACKAGE CONTENTS

Please check the package for the following items:

- Amewi ATXB8 8-Channel Remote Control
- Amewi ARX88 8-Channel Receiver
- USB Type-C Cable
- Operating Instructions Manual



4. PRODUCT FEATURES

The Amewi ATXB8 remote control system offers a range of advanced features for precise control and monitoring:

- **8 Controllable Channels:** Fully programmable for various model types.
- **8 Model Memories:** Store settings for up to 8 different models.
- **Large Color Display:** Provides a clear overview of settings and telemetry data.
- **Mixing Functions:** For flexible control across various channels.
- **Integrated Telemetry:** Real-time display of model battery voltage or receiver power supply.
- **Dual Rate Adjustment:** For throttle and steering.
- **Customizable Server Direction:** For all channels.
- **One-Handed Operation Lever:** Additional lever on the steering wheel for convenience.
- **USB-C Port:** For system updates and simulator use.
- **Digital Trim:** Permanently stores settings even after power cycling.
- **Automatic Shut-off:** Activates after 15 minutes of inactivity with a one-minute warning beep.
- **Integrated Car Racing Game:** Controlled via steering and throttle.
- **Wide Operating Voltage:** 4V-9V, compatible with up to 2S LiPo batteries (via XH connection).
- **18650 Li-ion Cell Compatibility:** Battery compartment designed for two 18650 cells.



Figure 3: The ATXB8's color display showing channel and telemetry information.

5. SETUP

5.1 Battery Installation

The ATXB8 remote control requires batteries for operation. It is compatible with 18650 Li-ion cells (2x) or other suitable power sources within the 4V-9V range.

1. Locate the battery compartment on the underside of the remote control.
2. Open the battery compartment cover.
3. Insert the batteries, ensuring correct polarity.
4. Close the battery compartment cover securely.

5.2 Receiver Binding

To establish communication between the ATXB8 remote control and the ARX88 receiver, a binding process is

required.

1. Ensure both the remote control and the receiver are powered off.
2. Connect the binding plug (usually included with the receiver) to the "BIND" port on the ARX88 receiver.
3. Apply power to the receiver. The receiver's LED should flash rapidly, indicating it is in binding mode.
4. While holding down the bind button on the ATXB8 remote control (refer to the remote's diagram for exact location), power on the remote control.
5. The remote control's display should indicate "Binding..." or a similar message.
6. Once the receiver's LED becomes solid, the binding process is complete. Power off both the receiver and the remote control.
7. Remove the binding plug from the receiver.
8. Power on the remote control first, then the receiver, to confirm successful binding. The receiver's LED should be solid.

6. OPERATING INSTRUCTIONS

6.1 Controls Overview

The ATXB8 remote control features several input methods:

- **Throttle Trigger:** Controls acceleration and braking.
- **Steering Wheel:** Controls left and right steering.
- **SWB (Push Button):** Located on the handle.
- **SWA (Three-Way Switch):** Located above the handle.
- **Four Top Buttons:** For additional functions and menu navigation.
- **Additional Lever:** On the steering wheel for one-handed operation.



Figure 4: Side view highlighting the throttle trigger and handle controls.



Figure 5: Top view showing the steering wheel, SWA, and SWB controls.

6.2 Programming Channels and Model Memory

The ATXB8 allows for extensive customization of its 8 channels and storage of up to 8 model profiles. Refer to the on-screen menu for detailed programming options. Use the navigation buttons to access and adjust settings such as channel assignments, endpoints, and sub-trims.

6.3 Telemetry Function

The integrated telemetry function displays real-time data on the remote control's screen. This includes the battery voltage of your model or the receiver's power supply. Ensure your receiver is telemetry-compatible and correctly connected to utilize this feature.

6.4 Dual Rate Adjustment

Adjust the dual rates for throttle and steering to fine-tune the sensitivity of these controls. This is useful for adapting the model's response to different driving conditions or personal preferences.

6.5 Servo Direction Customization

The direction of each servo can be customized directly from the remote control. This allows you to reverse servo

movement if necessary, ensuring correct control response for your model.

6.6 Automatic Shut-off Function

To conserve battery life, the remote control features an automatic shut-off function. If no input is detected for 15 minutes, the transmitter will emit a beep one minute before powering down. This provides a warning to save any unsaved settings or to resume activity.

6.7 USB-C Port for Updates and Simulators

The USB-C port allows for firmware updates to the remote control system. It can also be used to connect the remote control to a computer for use with RC simulators, enhancing your practice and training experience.

6.8 Integrated Car Racing Game

The ATXB8 includes a built-in car racing game. This game is controlled using the remote control's steering and throttle, with the display serving as the screen. Access this feature through the main menu.

7. MAINTENANCE

- Keep the remote control and receiver clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to direct sunlight or extreme temperatures for prolonged periods.
- Store the remote control in a dry, cool place when not in use.
- If storing for an extended period, remove the batteries from the remote control to prevent leakage.
- Regularly check all connections and cables for wear or damage.

8. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-----------------------------------|--|---|
| Remote control does not power on. | Low or dead batteries; incorrect battery installation. | Replace or recharge batteries; ensure correct polarity. |
| No response from model. | Receiver not bound; receiver not powered; model battery low. | Perform binding procedure; check receiver power connection; charge model battery. |
| Intermittent control. | Interference; loose connections; low transmitter/receiver battery. | Operate in a clear area; check all wiring; replace/recharge batteries. |
| Telemetry data not displayed. | Receiver not telemetry-compatible; incorrect connection. | Ensure ARX88 receiver is used and connected correctly. |

9. SPECIFICATIONS

| | |
|------------------------|-------------------------|
| Model Number | 28388 |
| Channels | 8 |
| Operating Voltage | 4V-9V (max. 2S LiPo) |
| Dimensions (W x D x H) | 75 mm x 135 mm x 205 mm |

| | |
|------------------------------|---|
| Weight | 230 g |
| Battery Compatibility | 2x 18650 Li-ion cells (not included, but compartment available) |
| Connectivity | USB Type-C (for updates/simulator) |
| Manufacturer | Amewi |
| Country of Origin | Germany |

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your local Amewi distributor or visit the official Amewi website. Please have your model number (ATXB8 / 28388) and purchase date available when contacting support.