

[Manuals.plus](#) /

› [TOWSMART](#) /

› TOWSMART Class III Tri-Ball Trailer Hitch Ball Mount Instruction Manual

TOWSMART 1166

TOWSMART Class III Tri-Ball Trailer Hitch Ball Mount Instruction Manual

Model: 1166

INTRODUCTION

This manual provides essential instructions for the safe and effective use of your TOWSMART Class III Tri-Ball Trailer Hitch Ball Mount. This product is designed to connect a trailer to a towing vehicle, offering three different hitch ball sizes on a single mount. Please read this manual thoroughly before installation and operation.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions could result in serious injury, death, or property damage.

- Always ensure the total weight of the trailer and its contents does not exceed the recommended maximum towing capacity of your vehicle or the hitch ball mount. Refer to your vehicle manufacturer's guidelines.
- Inspect the hitch ball mount, hitch pin, and clip for any signs of wear, damage, or corrosion before each use. Do not use if damaged.
- Ensure the hitch ball mount is securely inserted into the receiver and fastened with an appropriate hitch pin and clip.
- Verify that the trailer coupler is properly seated and locked onto the selected hitch ball.
- Always use safety chains between the towing vehicle and the trailer.
- Distribute trailer load evenly to maintain proper tongue weight.
- Drive cautiously and allow for increased stopping distances when towing.

PACKAGE CONTENTS

- TOWSMART Class III Tri-Ball Trailer Hitch Ball Mount (Model 1166)
- (Note: Hitch pin and clip are typically sold separately unless specified.)

SETUP AND INSTALLATION

1. **Prepare Vehicle:** Ensure your vehicle is equipped with a 2-inch (5.08 cm x 5.08 cm) Class III or Class IV receiver hitch.
2. **Insert Ball Mount:** Slide the shank of the Tri-Ball Trailer Hitch Ball Mount into your vehicle's receiver hitch. Align the pin holes on the ball mount with the pin holes on the receiver.
3. **Secure with Pin:** Insert a hitch pin (not included) through the aligned holes and secure it with a clip (not included). Ensure the pin and clip are fully engaged and secure.
4. **Select Ball Size:** Rotate the ball mount to position the desired hitch ball size (1-7/8 in., 2 in., or 2-5/16 in.) upwards for connection to your trailer coupler.



Image: The TOWSMART Tri-Ball Trailer Hitch Ball Mount, showing its three ball sizes and the shank designed for a receiver hitch. The image highlights the product's robust construction and the clear labeling of ball sizes and weight capacities.

OPERATING INSTRUCTIONS

1. **Match Ball Size:** Identify the correct ball size required by your trailer's coupler. The TOWSMART Tri-Ball mount offers 1-7/8 inch, 2 inch, and 2-5/16 inch ball diameters. Rotate the mount to position the correct ball upwards.
2. **Connect Trailer:** Carefully lower the trailer coupler onto the selected hitch ball. Ensure the coupler fully engages and locks onto the ball.
3. **Secure Coupler:** Engage the coupler's locking mechanism. For most couplers, this involves closing a latch and inserting a safety pin or lock.
4. **Attach Safety Chains:** Cross the trailer's safety chains under the trailer tongue and attach them to the designated points on the towing vehicle's hitch or frame.
5. **Connect Wiring:** Connect the trailer's electrical wiring harness to the vehicle's receptacle for lights and brakes.
6. **Final Check:** Before driving, perform a thorough check: ensure the ball mount is secure, the coupler is locked, safety chains are attached, and all trailer lights (running, brake, turn signals) are functioning correctly.

MAINTENANCE

- **Cleaning:** Clean the hitch ball mount regularly with mild soap and water. Dry thoroughly to prevent rust.

- **Lubrication:** Apply a thin layer of grease to the hitch balls periodically to reduce wear and facilitate coupler attachment.
- **Inspection:** Before each use, inspect the entire unit for cracks, bends, excessive wear, or corrosion. Pay close attention to the welds and the ball surfaces.
- **Storage:** When not in use, store the hitch ball mount in a dry place to protect it from elements and prolong its lifespan.

TROUBLESHOOTING

Problem: Trailer coupler does not fit over the hitch ball.

Solution: Ensure you have selected the correct ball size for your trailer's coupler. The TOWSMART Tri-Ball offers 1-7/8 in., 2 in., and 2-5/16 in. options. Verify the coupler is fully open.

Problem: Hitch ball mount feels loose in the receiver.

Solution: Confirm that the hitch pin is fully inserted and secured with its clip. If excessive play persists, consider using an anti-rattle device (sold separately) designed for receiver hitches.

Problem: Rust or corrosion appearing on the ball mount.

Solution: Clean the affected area and apply a rust-inhibiting paint or coating. Regular cleaning and storage in a dry environment can prevent this. Minor surface rust is common but should be monitored.

SPECIFICATIONS

Feature	Detail
Brand	TOWSMART
Model Number	1166
Receiver Size	2 in. x 2 in. (Class III/IV)
Ball Diameters	1-7/8 in., 2 in., 2-5/16 in.
Maximum Towing Capacity (GTW)	1-7/8 in. Ball: 2,000 lb. 2 in. Ball: 6,000 lb. 2-5/16 in. Ball: 10,000 lb.
Material	Alloy Steel
Finish Type	Powder Coated
Item Weight	11.2 Pounds
Product Dimensions	12 x 7.5 x 5.5 inches

WARRANTY AND SUPPORT

For warranty information or technical support, please contact TOWSMART directly. Refer to the contact information provided on the product packaging or visit the official TOWSMART website.

Manufacturer: TowSmart

Website: towsmart.com

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