Stock Update Fails with Decimal Quantities

Troubleshooting · https://wpfactory.com/docs/decimal-stock-update-issue/

If stock drops by a whole number after a decimal order, check that **Decimal quantities** is ticked at **WPFactory > Quantity Manager > General** in Min Max Step Quantity Limits Manager for WooCommerce and that rounding is off. WooCommerce stores stock as whole numbers, and only that setting switches stock to decimals.

Common symptoms

- Stock decreases by a whole number even though a decimal quantity was ordered.
- Stock does not change at all for decimal-quantity line items.
- An order with a decimal quantity cannot change status.
- A product shows "Out of stock" or "In stock" at the wrong moment.

Cause

WooCommerce passes every stock amount through a whole-number conversion. When **Decimal quantities** is enabled, Quantity Manager replaces that conversion with a decimal one (up to 6 decimal places) and recalculates the stock status after each stock change. If the setting is off, another plugin converts stock back to whole numbers, or a rounding option is on, decimal quantities are lost before they reach stock.

Fix

1. **Enable decimals.** In **WPFactory > Quantity Manager > General**, tick **Decimal quantities** and save. See How to enable decimal quantities.
2. **Enable managed stock** on the product (WooCommerce **Inventory** tab) so quantities are tracked.

3. **Turn off rounding.** In **Advanced > Rounding Options**, set **Round on add to cart** and **Round with JavaScript** to **Do not round**, unless whole-number stock is what you want.
4. **Use the classic Cart and Checkout** (the `[woocommerce_cart]` and `[woocommerce_checkout]` shortcodes), where decimal handling is most reliable.
5. **Check other stock plugins.** Inventory sync, point of sale or stock report plugins can convert stock back to whole numbers. Temporarily deactivate them on a staging copy and place a test order.
6. **Correct old orders by hand.** Orders placed before decimals were enabled reduced stock in whole numbers, so adjust those products' stock manually once.
7. **Update** WooCommerce and Quantity Manager to the latest versions.

How stock status is decided

After each stock change, the product is set to **In stock** while its stock is above WooCommerce's **Out of stock threshold** (WooCommerce > Settings > Products > Inventory). At or below it, the product becomes **On backorder** if backorders are allowed, otherwise **Out of stock**. With a threshold of 0, a product with 0.5 left stays in stock.

> **Note:** decimal stock accounting is inherently more complex. Test thoroughly with your theme and gateway before going live.

FAQ

Does Quantity Manager support decimal stock?

Yes, when Decimal quantities is enabled. Stock is then stored and reduced with up to 6 decimal places.

Can the out of stock threshold be a decimal?

No. Quantity Manager reads the threshold as a whole number when it recalculates the stock status, so enter whole values there.

Can I keep the original quantity on each order line?

Yes. **Advanced > Save quantity in order item meta** stores the quantity in an extra order item field (default key `_wpfmmsq_qty`).

Related: Cart or order page fails with decimal quantities.

Still stuck? Our team answers every ticket on the Quantity Manager support forum.



QUANTITY MANAGER

See every feature and the pricing on the Quantity Manager plugin page.

View plugin →

Related articles

- Decimal Quantities Causing Errors in Cart or Checkout
- Customers Can Still Add Multiple Quantities to the Cart
- How to Validate and Auto-Correct Cart Quantities
- How to Add a Buy All Stock Button
- How to Install Quantity Manager: Min, Max and Step Quantities for WooCommerce