Sitewide Discount Developer Reference: Functions, Hooks and Shortcode

Developers · https://wpfactory.com/docs/sitewide-discount-developers/

This developer reference for Sitewide Discount for WooCommerce lists the helper functions, filter, action and shortcode you can use in themes and custom code, plus the WooCommerce price hooks the plugin uses. Settings live at **WPFactory > Global Shop Discount**. Everything here is in both the free and Pro versions.

Helper functions

Function	Returns
`alg_wc_gsd_is_discount_product( $product )`	`true` if a discount group changes this product's price, otherwise `false`.
`alg_wc_gsd_get_product_discount_groups( $product )`	An array of the group numbers that apply to the product. With **Stop on first matching discount group** on, this holds at most one group.
`alg_wc_gsd_get_product_ids( $product_query_args = array( 'limit' => -1 ), $incl_on_sale = true, $use_transient = false )`	An array of product IDs that are discounted by the plugin. `$product_query_args` is passed to `wc_get_products()`. With `$incl_on_sale` true, products already on sale are included too. With `$use_transient` true, results are cached for 24 hours.

Each function takes a `WC_Product` object where a product is expected, and returns `false` if the plugin is not loaded. The discount engine only loads on the storefront unless **Apply discounts in backend** is enabled, so call these functions from front-end code.

Example: add a badge to discounted products

```
add_action( 'woocommerce_before_shop_loop_item_title', function () {
	global $product;
	if ( function_exists( 'alg_wc_gsd_is_discount_product' ) && alg_wc_gsd_is_discount_product( $product ) ) {
		echo '<span class="my-sitewide-badge">Sitewide sale</span>';
	}
} );
```

Shortcode

`[alg_wc_gsd_products]` outputs a WooCommerce `[products]` grid of all products currently on sale.

Attribute	Description	Default
`use_transient`	Cache the on-sale product IDs in the `alg_wc_gsd_products_onsale` transient for 24 hours.	Off
`on_empty`	Output when no products are found.	Empty
Other attributes	Passed through to `[products]`, with `ids` set to the found products.	None

Filter

Filter	Parameters	Use
`alg_wc_global_shop_discount_shortcode_product_ids`	`$product_ids_on_sale` (array), `$atts` (shortcode attributes)	Change the product IDs the `[alg_wc_gsd_products]` shortcode displays. Runs before the result is cached.

```
add_filter( 'alg_wc_global_shop_discount_shortcode_product_ids', function ( $ids, $atts ) {
	return array_diff( $ids, array( 123 ) ); // Hide product 123.
```

```
}, 10, 2 );
```

Action

Action	When it fires
`alg_wc_global_shop_discount_settings_saved`	After the plugin settings are saved (the Tools run on this action).

WooCommerce hooks the plugin filters

Prices are changed at priority `PHP_INT_MAX` on these filters, so the discount is applied after most other pricing code:

- `woocommerce_product_get_price`, `woocommerce_product_get_sale_price`, `woocommerce_product_get_regular_price` (the regular price is passed through unchanged)
- `woocommerce_product_variation_get_price`, `woocommerce_product_variation_get_sale_price`, `woocommerce_product_variation_get_regular_price`
- `woocommerce_variation_prices_price`, `woocommerce_variation_prices_sale_price`, `woocommerce_variation_prices_regular_price`
- `woocommerce_get_variation_prices_hash` (adds the group settings to the variation price cache key)
- `woocommerce_get_price_including_tax`, `woocommerce_get_price_excluding_tax` (grouped products)

If your code needs the undiscounted price, read the stored meta (for example `_price`) or use `$product->get_price( 'edit' )`, which bypasses these filters.

Stored data

- Settings are stored as WordPress options prefixed `alg_wc_global_shop_discount_`. Group options are arrays keyed by group number. See the settings reference for every option ID.
- Transients: `alg_wc_gsd_products_onsale` (shortcode) and `alg_wc_gsd_products_{md5}` (from `alg_wc_gsd_get_product_ids()` with caching on).
- The plugin does not write product prices unless you run **Tools > Save prices in DB for all products**.



SITEWIDE DISCOUNT FOR WOOCOMMERCE

See every feature and the pricing on the Sitewide Discount for WooCommerce plugin page.

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Related articles

- Sitewide Discount Troubleshooting: Discount Not Showing or Applied Twice
- Getting Started with Sitewide Discount for WooCommerce
- How to Give a Discount to Specific User Roles or Customers in WooCommerce
- How to Discount Specific Categories or Products in WooCommerce
- How to Schedule a Sitewide Sale in WooCommerce