



Accessibility at Preline UI

Learn about accessibility features built into Preline UI. This page covers how Preline supports accessible web development with Tailwind CSS components.

Accessibility at Preline UI

At Preline UI, accessibility is a first-class priority and all components comes with built-in accessibility features. Our goal is to ensure that all users, regardless of ability, can interact with and benefit from our components and plugins.

Accessibility Manager

The `HSAccessibilityObserver` is a centralized accessibility management system that provides comprehensive keyboard navigation and interaction support for UI components. It acts as a global event coordinator that manages accessibility behaviors across all registered components in your application.

- **Comprehensive Keyboard Support:** Handles all standard navigation keys including arrows, Enter, Space, Escape, Home, End, and Tab
- **Smart Focus Management:** Automatically detects the currently active component and manages focus flow between nested or overlapping elements
- **Conflict Prevention:** Intelligent event coordination prevents interference between multiple interactive components
- **Context Awareness:** Supports complex scenarios with nested components like dropdowns inside modals or overlapping interactive areas
- **Zero Configuration:** Components automatically register themselves to receive keyboard accessibility support without additional setup
- **Performance Optimized:** Uses efficient event delegation and component tracking for minimal performance impact

- **WCAG Compliance:** Built-in support for accessibility guidelines including proper keyboard navigation patterns and focus management
- **First-Letter Navigation:** Enables quick item selection by typing the first letter in supported components like dropdowns and selects
- **State Synchronization:** Real-time tracking of component states (open/closed) ensures consistent behavior across the application
- **Modifier Key Awareness:** Intelligently handles modifier keys (Ctrl, Alt, Shift, Meta) to prevent unintended interactions

WCAG compliance

While our components are designed with accessibility in mind, full WCAG compliance also depends on how you implement them in your project. This includes:Preline UI components are developed following best practices for:

- Sufficient color contrast
- Proper ARIA labeling
- Screen reader testing

We encourage you to evaluate each component in your specific context to ensure it meets your accessibility requirements.

Open source & customizable

Preline UI is fully open source and free to use. You're welcome to test, extend, or adapt components as needed to meet your accessibility goals.