

IMATA Global Keyboard Shortcuts

Staff & operations consoles — implementation reference and user guide

Document version: 1.0 | Product: IMATA Logistics web application | Scope: Client-side navigation and actions (no server API changes)

1. Purpose

IMATA provides a **single global keyboard shortcut engine** mounted once at the application root. It centralizes shortcut handling, applies **role-based access control (RBAC)**, avoids conflicts with common browser shortcuts, and disables shortcuts while users type in form fields or on mobile / touch-first viewports.

2. Architecture (single entry point)

- **Listener:** One `window keydown` handler registered in capture phase.
- **Component:** `app/components/keyboard/GlobalKeyboardShortcuts.tsx` (inside `AuthProvider`).
- **Configuration:** `lib/keyboardShortcuts/shortcutMap.ts` — combo string → action id + allowed roles.
- **Execution:** `lib/keyboardShortcuts/shortcutActions.ts` — navigation, announcements scroll, logout with confirmation.
- **Help UI:** `app/components/keyboard/KeyboardShortcutsHelpModal.tsx` — modal listing shortcuts.

3. Shortcut reference (current bindings)

Combos use **Ctrl** on Windows/Linux. On macOS, use the same physical shortcuts with the **Control** key (not **Cmd**), unless your browser maps differently.

Shortcut	Action	Destination / behaviour	Roles
Ctrl + D	GO_DISPATCH	Navigate to <code>/dispatch</code>	<code>dispatch_ops</code> , <code>founder_super_admin</code>
Ctrl + Shift + H	GO_HOME	Role-based home (e.g. founder → <code>/dashboard/founder</code> , finance → <code>/finance/dashboard</code> , dispatch → <code>/dispatch</code> , default → <code>/</code>)	All authenticated (<code>ALL</code>)
Ctrl + Shift + F	GO_FINANCE	<code>/finance/dashboard</code>	Finance officers + founder
Ctrl + Shift + Y	GO_RIDER_OPS	<code>/admin/dispatch</code> (rider / dispatch operations context)	<code>dispatch_ops</code> , <code>founder_super_admin</code>
Ctrl + Shift + A	OPEN_ANNOUNCEMENTS	Scroll to staff announcements panel (<code>#imata-staff-</code>	<code>ALL</code>

Shortcut	Action	Destination / behaviour	Roles
		announcements-anchor)	
Ctrl + Shift + B	NEW_BOOKING	/send-parcel	Dispatch + admin roles (see code)
Ctrl + Shift + O	OPEN_PROFILE	/profile (role-aware redirect)	ALL
Ctrl + Shift + L	LOGOUT	Browser confirmation, then POST /api/auth/logout and redirect	Authenticated only
?	SHOW_SHORTCUT_HELP	Open in-app help modal	ALL

4. Why these keys? (browser safety)

The following common shortcuts are **not** used for IMATA actions, to avoid fighting the browser:

- Ctrl + R — reload
- Ctrl + F — find in page
- Ctrl + H — history (Firefox)
- Ctrl + T — new tab
- Ctrl + Shift + N — incognito (Chrome)
- Ctrl + Shift + R — hard reload

Navigation uses **Ctrl + Shift + ...** variants instead, where needed.

5. Role checks

For each shortcut, the engine loads the current user role from the auth session (`useAuth()`). If the shortcut's `roles` array contains `ALL`, any signed-in user may use it (subject to route-specific rules in code). Otherwise the user's role must appear in the list.

6. Input protection

Shortcuts are ignored when focus is inside `input`, `textarea`, `select`, `contentEditable`, or an element matching `[data-keyboard-shortcuts-ignore="true"]`.

7. Mobile & tablet

Shortcuts are disabled when `(pointer: coarse)` matches or viewport width is under **768px**, so touch-first devices do not trigger accidental navigation.

8. Destructive actions

Logout requires a **confirmation dialog** before any session teardown. There are no keyboard shortcuts for payment approval, deletion, or final dispatch commits.

9. Announcements panel anchor

The staff announcements UI wraps content in a container with id `imata-staff-announcements-anchor` (`StaffAnnouncementsPanel`) so `Ctrl + Shift + A` can scroll the announcements into view where the panel is present.

10. Maintenance

To update shortcuts: edit `lib/keyboardShortcuts/shortcutMap.ts` and `shortcutActions.ts`, sync the in-app help modal (`KeyboardShortcutsHelpModal.tsx`), regenerate this PDF from the HTML source, and redeploy.

© IMATA Logistics — Internal staff documentation. Keyboard behaviour is client-side only; server authorization still applies on every API request.