

Migration Guide: Unified Dock

This guide helps you migrate from the old dock implementations to the new unified dock.

Overview

The unified dock consolidates these implementations:

- components/webos/app-dock.tsx (762 lines)
- components/desktop/Dock.tsx (115 lines)

Total: 877 lines → Modular system (~600 lines distributed)

Quick Migration

From components/webos/app-dock.tsx

Before

```
import { AppDock } from '@components/webos/app-dock';

export default function Layout() {
  return (
    <
      {/* Your content */}
      <AppDock />
    </>
  );
}
```

After

```
import { Dock } from '@components/dock';

export default function Layout() {
  return (
    <
      {/* Your content */}
      <Dock />
    </>
  );
}
```

Changes:

- ☒ No props changes required
 - ☒ All features preserved
 - ☒ Drop-in replacement
-

From `components/desktop/Dock.tsx`**Before**

```
import { Dock } from '@components/desktop/Dock';

export function Desktop() {
  return (
    <
      {/* Your content */}
      <Dock />
    </>
  );
}
```

After

```
import { Dock } from '@components/dock';

export function Desktop() {
  return (
    <
      {/* Your content */}
      <Dock />
    </>
  );
}
```

Changes:

- ☒ Import path changed only
 - ☒ All features preserved
 - ☒ Drop-in replacement
-

Feature Comparison

Features from `app-dock.tsx` (All Preserved)

Feature	Old Implementation	New Implementation	Notes
Pinned Apps	✓	✓	Same functionality
Running Apps	✓	✓	Enhanced status indicators
Minimized Apps	✓	✓	Better visual feedback
Auto-Hide	✓	✓	Improved responsiveness
Gestures	✓	✓	More reliable
Looms	✓	✓	Same AI features
Drag-Drop	✓	✓	Smoother animations
Context Menu	✓	✓	More actions
App Launcher	✓	✓	Integrated
Keyboard Nav	⚠ Limited	✓	Full support

Features from `Dock.tsx` (All Preserved)

Feature	Old Implementation	New Implementation	Notes
Glass Effect	✓	✓	Enhanced styling
Favorites	✓	✓	Now called “pinned”
Running Indicator	✓	✓	More states
Hover Effects	✓	✓	Smoother
Tooltips	⚠ Manual	✓	Built-in

Advanced Migration

Custom Configuration

If you need custom configuration (not available in old docks):

```
<Dock
  orientation="horizontal" // or "vertical"
  position="bottom"        // or "top", "left", "right"
  size="medium"            // or "small", "large"
  autoHide={true}         // Auto-hide on desktop
  showRunningApps={true}  // Show running apps
  showLooms={true}        // Show looms
  maxPinnedApps={5}       // Max pinned apps
  enableGestures={true}   // Mobile gestures
  enableDragAndDrop={true} // Reordering
  enableKeyboard={true}   // Keyboard nav
/>
```

Custom Callbacks

For custom app launch logic:

```
<Dock
  onAppLaunch={(app) => {
    // Your custom logic
    console.log('Launching:', app.title);
  }}
  onLoomRestore={(loomId) => {
    // Your custom logic
    console.log('Restoring loom:', loomId);
  }}
/>
```

Breaking Changes

None! 🎉

The unified dock is designed as a **drop-in replacement** with no breaking changes.

All existing features are preserved and enhanced.

Deprecated Imports

⚠️ **Deprecated (Still work, but will be removed in v2.0)**

```
// DO NOT USE - Deprecated
import { AppDock } from '@components/webos/app-dock';
import { Dock } from '@components/desktop/Dock';
```

✓ New (Recommended)

```
// USE THIS - Unified implementation
import { Dock } from '@components/dock';
```

Migration Checklist

Use this checklist to ensure complete migration:

1. Update Imports

- ☐ Replace `import { AppDock } from '@components/webos/app-dock'`
- ☐ Replace `import { Dock } from '@components/desktop/Dock'`
- ☐ Use `import { Dock } from '@components/dock'`

2. Update Component Usage

- ☐ Replace `<AppDock />` with `<Dock />`
- ☐ Keep existing props (if any)
- ☐ Test functionality

3. Test Features

- ☐ App pinning/unpinning works
- ☐ Running app indicators show correctly
- ☐ Minimized apps restore properly
- ☐ Auto-hide behaves as expected (desktop)
- ☐ Gestures work on mobile
- ☐ Looms function correctly
- ☐ Drag-and-drop reordering works
- ☐ Context menus appear and work
- ☐ App launcher opens correctly

4. Cleanup (Optional)

- ☐ Remove old dock component files (after testing)
- ☐ Update any documentation
- ☐ Inform team about changes

Troubleshooting

Issue: Dock not showing

Solution: Check auto-hide settings

```
<Dock autoHide={false} />
```

Issue: Different behavior

Solution: The unified dock has the same defaults as `app-dock.tsx`. If you were using `desktop/Dock.tsx`, you may notice enhanced features.

Issue: TypeScript errors

Solution: Update types imports

```
import { Dock } from '@components/dock';
import type { DockProps } from '@components/dock';
```

Issue: Missing features

Solution: All features are preserved. Check the props:

```
<Dock
  showRunningApps={true}
  showLooms={true}
  showAppLauncher={true}
/>
```

Need Help?

1. Check [README.md](#) (./README.md) for full documentation
2. Review [ARCHITECTURE.md](#) (./ARCHITECTURE.md) for implementation details
3. Create an issue on GitHub
4. Ask the team in Slack

Timeline




Version	Status	Notes
v1.0	✅ Current	Unified dock released
v1.x	⚠️ Deprecation	Old docks marked deprecated
v2.0	🌐 Future	Old docks removed

Recommended: Migrate before v2.0 to avoid breaking changes.






Benefits of Migrating

Code Quality





- ✅ Better TypeScript support

-  Proper type safety
-  No `any` types
-  Comprehensive JSDoc comments





Features

-  Enhanced accessibility
-  Full keyboard navigation
-  Improved animations
-  Better performance
-  More configuration options

Maintenance

-  Single implementation to maintain
-  Easier to add features
-  Better tested
-  Comprehensive documentation

Developer Experience

-  Clear API
-  Intuitive props
-  Great documentation
-  Easy customization

Examples

Example 1: Basic Dashboard

```
// app/dashboard/layout.tsx
import { Dock } from '@components/dock';

export default function DashboardLayout({ children }) {
  return (
    <
      {children}
      <Dock />
    </>
  );
}
```

Example 2: Desktop App

```
// components/desktop/Desktop.tsx
import { Dock } from '@components/dock';

export function Desktop({ children }) {
  return (
    <>
      {children}
      <Dock
        orientation="vertical"
        position="left"
        autoHide={true}
      />
    </>
  );
}
```

Example 3: Mobile App

```
// app/mobile/layout.tsx
import { Dock } from '@components/dock';

export default function MobileLayout({ children }) {
  return (
    <>
      {children}
      <Dock
        enableGestures={true}
        showRunningApps={false}
        maxPinnedApps={4}
      />
    </>
  );
}
```

Support

For any migration issues, please:

1. Check this guide first
2. Review the [README.md](#) (./README.md)
3. Check existing GitHub issues
4. Create a new issue if needed

Last Updated: November 25, 2025

Version: 1.0.0