

# ■ AdvStatusBarTools Extension Documentation

## ■ Overview

The AdvStatusBarTools extension provides advanced customization for Android Status Bar and Navigation Bar inside MIT App Inventor, Kodular, and similar platforms.

## ■ Events

### **SystemThemeChanged**

Triggered when the system switches between dark and light mode. Parameter: isDarkMode (true if dark mode is enabled).

### **VisibilityChanged**

Triggered whenever the visibility of the Status Bar or Navigation Bar changes.

## ■ Functions

### **EnableImmersiveStickyMode**

Enables immersive full-screen mode with swipe-to-show bars.

### **ShowStatusBar / HideStatusBar / ToggleStatusBar**

Show, hide, or toggle the visibility of the status bar.

### **ShowNavigationBar / HideNavigationBar / ToggleNavigationBar**

Show, hide, or toggle the navigation bar.

### **SetStatusBarColorHex**

Sets the status bar color using a hex string (e.g., #FF0000 for red).

### **SetStatusBarColor**

Sets the status bar color using App Inventor color blocks.

### **SetNavigationBarColorHex / SetNavigationBarColor**

Same as above, but for the navigation bar.

### **SetStatusBarIconsDark / SetStatusBarIconsLight**

Switch status bar icons between dark and light mode.

### **SetNavigationBarIconsDark / SetNavigationBarIconsLight**

Switch navigation bar icons between dark and light mode.

### **MakeStatusBarTransparent / MakeNavigationBarTransparent**

Make the respective bars fully transparent.

### **SetStatusBarGradient / SetStatusBarGradientHex**

Apply a gradient effect on the status bar with color blocks or hex codes.

### **SetNavigationBarGradient / SetNavigationBarGradientHex**

Same as above, but for navigation bar.

### **PulseStatusBar / PulseStatusBarHex**

Applies a temporary glowing effect on the status bar.

## **ResetStatusBarColor / ResetNavigationBarColor**

Resets the bar colors back to the original values.

## **GetStatusBarHeight / GetNavigationBarHeight / GetCombinedBarHeight**

Returns the pixel height of bars.

## ■ Properties

### **IsStatusBarVisible**

Returns true/false depending on current visibility.

### **IsNavigationBarVisible**

Returns true/false.

### **IsDarkMode**

Returns true if system dark mode is enabled.

### **LastStatusBarColor / LastNavigationBarColor**

Returns the last set color values.