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# AccessGuard Accessibility Fix Agent

## Snippet Usage Guide

**Prepared by:** AccessGuard

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**Standards:** WCAG 2.2 AA, ADA, Section 508

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## Overview

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The AccessGuard Accessibility Fix Agent is a lightweight JavaScript snippet that applies accessibility fixes to your website in real-time. This guide explains how to use it effectively.

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## Quick Start

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### Step 1: Create a Site in AccessGuard

**Important:** Before adding the snippet to your website, you must first create a site in your AccessGuard dashboard.

1. **Go to Dashboard** → <https://halytic.ai/dashboard>
2. **Click "Sites"** in the sidebar
3. **Click "Add New Site"**
4. **Enter your website URL** (e.g., `https://example.com`)
5. **Click "Create Site"**
6. **Copy the Site ID** from the site details

### Step 2: Add the Snippet to Your Website

Add this code to the `<head>` section of your website:

```
<!-- AccessGuard Accessibility Fix Agent -->
<script
  src="https://api.halytic.ai/fixes/agent.js"
  data-halytic-site-id="YOUR_SITE_ID_HERE"
  crossorigin="anonymous"
  async
></script>
<style>
/* Enhanced focus indicators for keyboard navigation */
*:focus-visible {
  outline: 3px solid #10B981 !important;
```

```
outline-offset: 2px !important;
border-radius: 4px !important;
}
</style>
```

Replace **YOUR\_SITE\_ID\_HERE** with the Site ID from Step 1.

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## **Critical: Site ID Must Match**

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### The Problem

**Each scan creates a NEW site record with a NEW site ID.**

If you run scans from the ADA Checker without using your dashboard site, the site ID in the snippet won't match the scan, and fixes won't apply.

### The Solution

**Use ONE site for all scans:**

1.  **Create ONE site** in your dashboard
2.  **Use that site ID** in your snippet (permanently)
3.  **Run all scans** on that same site
4.  **Fixes will accumulate** and improve over time

### Wrong Approach

Scan 1 → Creates Site A (ID: abc123)  
Scan 2 → Creates Site B (ID: def456)  
Scan 3 → Creates Site C (ID: ghi789)

Snippet uses: Site A ID  
Scans use: Sites B & C  
Result: Fixes don't apply!

### Correct Approach

Create Site X (ID: xyz999) in Dashboard  
Add Site X ID to snippet (permanently)

Scan 1 → Uses Site X

Scan 2 → Uses Site X

Scan 3 → Uses Site X

Result: All fixes apply and accumulate!

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## Best Practices

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### 1. Use the Dashboard for Scanning





#### Recommended:

- Go to Dashboard → Sites
- Click on your site
- Click "New Scan"
- Review results
- Apply fixes

#### Not Recommended:

- Using ADA Checker for every scan
- Creating new sites each time
- Changing the site ID in your snippet

### 2. Keep the Same Site ID

-  **Keep the same site ID** in your snippet permanently
-  **Run all scans** on that same site
-  **Fixes will accumulate** and improve over time
-  **Don't change** the site ID unless you're switching to a completely different site

### 3. Monitor Your Progress

- **Dashboard** → Sites → Your Site
- **View scan history** and progress

- **Track improvements** over time
  - **See which fixes** have been applied
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## **How It Works**







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### The Fix Agent Process

1. **User visits your website**
2. **Agent script loads** from `api.halytic.ai/fixes/agent.js`
3. **Agent checks** the site ID in `data-halytic-site-id`
4. **Agent fetches fixes** for that site from the API
5. **Agent applies fixes** to the page in real-time
6. **User sees** an improved, accessible version





### What Gets Fixed

The agent applies:

-  **Semantic HTML fixes** (headings, landmarks, regions)
-  **ARIA attributes** (labels, roles, properties)
-  **Focus indicators** (keyboard navigation)
-  **Color contrast** improvements
-  **Alt text** for images
-  **Form labels** and associations

### What Doesn't Get Fixed

The agent does NOT fix:

-  **Server-side issues** (requires code changes)
  -  **Complex structural changes** (requires manual review)
  -  **Third-party widgets** (may require custom solutions)
  -  **Dynamic content** loaded after page load (may need re-scan)
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## **Delivery Options**

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When you view scan results, you'll see multiple delivery options:

## 1. Hosted Agent (Overlay) - Recommended

**Best for:** Quick deployment, immediate compliance

-  **Fastest path** - paste snippet into <head>
-  **Zero downtime** - no code changes needed
-  **<8KB** - minimal performance impact
-  **Idempotent** - safe to load multiple times

```
<script
  src="https://api.halytic.ai/fixes/agent.js"
  data-halytic-site-id="YOUR_SITE_ID"
  crossorigin="anonymous"
  async
></script>
```

## 2. ZIP Bundle

**Best for:** Self-hosted solutions, offline deployment

- Download all files
- Self-contained package
- No external dependencies
- Offline deployment ready

## 3. Source Code

**Best for:** Permanent fixes, maintainable code

- Transform HTML directly
- Permanent solution
- Includes semantic improvements
- Requires code review

## 4. GitHub PR

**Best for:** Teams using version control

- Automated pull requests

- Code review built-in
  - Before/after verification
  - Collaboration ready
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## Testing Your Snippet

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### Step 1: Add the Snippet

Add the snippet to your website's <head> section.




### Step 2: Deploy

Deploy your website with the snippet included.

### Step 3: Run a Scan

1. **Go to Dashboard** → Sites
2. **Click on your site**
3. **Click "New Scan"**
4. **Wait for results**

### Step 4: Verify Fixes

-  **Check the score** (should improve)
  -  **Review issues** (should decrease)
  -  **Test manually** (keyboard navigation, screen reader)
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## Troubleshooting

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### Issue: Fixes Not Applying

#### Symptoms:

- Score doesn't improve after adding snippet
- Issues remain the same
- No visible changes

#### Solutions:

## 1. Check Site ID Match

- Ensure snippet site ID matches dashboard site ID
- Don't create new sites for each scan

## 2. Verify Snippet Placement

- Snippet must be in <head> section
- Snippet must load before page content

## 3. Check Browser Console

- Open browser DevTools → Console
- Look for errors from `agent.js`
- Check network tab for API calls

## 4. Verify Deployment

- Ensure changes are deployed to production
- Hard refresh browser (Cmd+Shift+R)
- Check page source for snippet

## Issue: Multiple Sites Created

### Symptoms:

- Multiple sites with same URL in dashboard
- Confusion about which site ID to use

### Solutions:

#### 1. Delete Old Sites

- Go to Dashboard → Sites
- Delete duplicate sites
- Keep only the most recent one

#### 2. Use Dashboard for Scans

- Don't use ADA Checker for every scan
- Use your dashboard site for all scans

#### 3. Update Snippet



- Use the latest site ID
- Keep it consistent

## Issue: Fixes Apply But Score Doesn't Improve

### Possible Causes:

#### 1. Manual Review Required

- Some fixes require manual review
- Check "Manual Review Required" section in results

#### 2. High-Risk Changes

- Structural changes need user acknowledgment
- Check override reason requirements

#### 3. Verification Pending

- Run verification to confirm fixes
- Click "Verify Now" button

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## Monitoring and Maintenance

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### Weekly Checks

- ☐ Run a scan on your site
- ☐ Review new issues
- ☐ Apply fixes if needed
- ☐ Test with keyboard navigation
- ☐ Test with screen reader

### Monthly Reviews

- ☐ Full accessibility audit
- ☐ Review all pages
- ☐ Update compliance documentation
- ☐ Check for WCAG updates
- ☐ Review legal requirements

## Quarterly Updates

- ☐ Check for new WCAG standards
  - ☐ Review legal requirements
  - ☐ Update scanner rules
  - ☐ Review compliance goals
  - ☐ Update training materials
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## Additional Resources

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### Documentation

- **Quick Start Guide:** /docs/QUICK\_VALIDATION\_CARD.md
- **Validation Plan:** /docs/PRE\_LAUNCH\_VALIDATION\_PLAN.md
- **Launch Checklist:** /LAUNCH\_READY\_SUMMARY.md

### External Resources

- **WCAG 2.2:** <https://www.w3.org/WAI/WCAG22/quickref/>
- **WebAIM:** <https://webaim.org/>
- **A11y Project:** <https://www.a11yproject.com/>
- **Deque University:** <https://dequeuniversity.com/>

### Support

- **Accessibility Issues:** [accessibility@halytic.ai](mailto:accessibility@halytic.ai)
  - **Technical Support:** [support@halytic.ai](mailto:support@halytic.ai)
  - **Sales:** [sales@halytic.ai](mailto:sales@halytic.ai)
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## Pro Tips

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### 1. Use the Dashboard

- Don't use ADA Checker for every scan
- Use your dashboard site for consistency

### 2. Keep Site ID Consistent

- Don't change the site ID unless necessary
- Use the same site for all scans

### 3. Monitor Progress

- Check scan history regularly
- Track improvements over time

### 4. Test Manually

- Use keyboard navigation
- Test with screen readers
- Verify color contrast

### 5. Stay Updated

- Monitor WCAG updates
- Review legal requirements
- Update scanner rules

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