

Axxess ASWC-1

Metra Axxess ASWC-1 Steering Wheel Control Interface User Manual

Model: ASWC-1

1. INTRODUCTION

The Axxess ASWC-1 is a universal steering wheel control interface designed to retain the factory steering wheel audio controls when installing an aftermarket radio. This interface is compatible with all major radio brands and features automatic vehicle and radio detection for simplified installation. It also supports manual programming and the ability to dual assign steering wheel control buttons.

This manual provides essential information for the proper setup, operation, and maintenance of your ASWC-1 interface.

2. PRODUCT OVERVIEW



Figure 2.1: The Axxess ASWC-1 interface module with its accompanying wiring harnesses and connectors, including a Micro B USB connector for updates.



Figure 2.2: The ASWC-1 interface as packaged, showing the module and wiring visible through the clear plastic.

UNIVERSAL FIT
ASWC-1
STEERING WHEEL CONTROL

Retaining your steering wheel controls has never been easier! With the ASWC-1, one interface is all you need.
Works with most aftermarket radios that have a steering wheel control input.

FEATURES:

Works with most aftermarket radios that have a steering wheel control input including JVC, Pioneer, Kenwood, Eclipse, Alpine and more.

- Auto Detects most vehicles (no programming is needed)
- Auto Detects the Aftermarket Radio
- Automatically sets the Steering Wheel Control Functions per Vehicle
- USB updatable

VEHICLE FIT GUIDE



AXXESS
INTEGRATE

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R-AWSC-1 0608



Manufactured under one or more of the
following U.S. Patents and pending applications
#8014920, #8214105, #8285446, #8527147

Warning: To avoid danger of suffocation, keep this plastic bag away from babies and children. Do not use this bag in cribs, beds, carriages, or playpens. This bag is not a toy.

Figure 2.3: The reverse side of the ASWC-1 packaging, highlighting key features such as compatibility with most aftermarket radios, auto-detection, and USB updatability.



Figure 2.4: A dedicated QR code for accessing the ASWC-1 application guide, which provides detailed compatibility information.

Key Features:

- Micro “B” USB updatable for future compatibility and firmware enhancements.
- One interface does it all – no additional interfaces needed for basic functionality.
- Designed to be compatible with all major radio brands.
- Automatically detects vehicle type, radio connection, and presets controls for ease of installation.
- Ability to dual assign steering wheel control buttons, allowing for more functions from fewer buttons.
- Can be manually programmed for most vehicles.
- Provides Speed Dependent Volume Control on select CAN data vehicles.

3. SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your ASWC-1 interface. It is recommended to consult the detailed installation manual specific to your vehicle and aftermarket radio. Ensure all connections are secure and insulated to prevent short circuits.

General Installation Notes:

- Identify the correct wiring for your vehicle's steering wheel controls and your aftermarket radio's SWC input.
- Connect the ASWC-1 module according to the wiring diagram provided in the full installation manual.
- Ensure a good metal-to-metal contact for all wire connections. Loose connections can lead to malfunction.
- Secure all wiring with zip ties to keep them tidy and prevent interference.

Installation Resources:

For detailed, vehicle-specific installation instructions, please refer to the official documentation available for download:

[Installation Manual \(PDF\)](#)

[User Guide \(PDF\)](#)

[Instructions for Use \(IFU\) \(PDF\)](#)

[User Manual \(PDF\)](#)

[Vehicle Fit Guide](#)

4. OPERATING INSTRUCTIONS

The ASWC-1 interface is designed for automatic detection and programming. However, manual programming, resetting, and remapping functions are available for specific scenarios or advanced customization.

4.1. Manual Programming

If automatic detection fails or you wish to customize button functions, the ASWC-1 can be manually programmed. This involves a sequence of pressing the reset button on the module and specific steering wheel control buttons.

Your browser does not support the video tag.

Video 4.1.1: Axxess ASWC-1 Tech Tip - How to Manually Program. This video demonstrates the step-by-step process for manually programming the ASWC-1 interface, including pressing the reset button and specific steering wheel controls.

4.2. Resetting the ASWC-1

A reset may be necessary if the module is not functioning as expected or if you are installing it in a new vehicle/radio setup. Resetting clears all previous programming.

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Video 4.2.1: Axxess ASWC-1 Tech Tip - Resetting the ASWC-1. This video guides you through the process of resetting the ASWC-1 module to its factory default settings.

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Video 4.2.2: AXXESS ASWC-1 LED Feedback. This video explains the different LED feedback patterns on the ASWC-1 module, which are crucial for understanding its status during programming and operation.

4.3. Changing the Radio Type

The ASWC-1 automatically detects the radio type. However, if you change your aftermarket radio or if the automatic detection is incorrect, you can manually set the radio type.

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Video 4.3.1: Axxess ASWC-1 Tech Tip - How to Change the Radio Type. This video provides instructions on how to manually change the radio type recognized by the ASWC-1 module.

4.4. Remapping Steering Wheel Controls

Remapping allows you to assign different functions to your steering wheel buttons than their default or automatically detected settings. This is useful for custom configurations.

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Video 4.4.1: Axxess ASWC-1 Tech Tip - Remapping. This video demonstrates how to remap the functions of your steering wheel controls using the ASWC-1 interface.

5. MAINTENANCE

The ASWC-1 is designed to be a low-maintenance device. The primary maintenance activity is keeping its firmware updated to ensure compatibility with new vehicles and aftermarket radios, and to benefit from any performance improvements.

Firmware Updates:

The ASWC-1 features a Micro “B” USB port for firmware updates. Visit the Axxess Interfaces website for the latest firmware and instructions on how to update your module. Regular updates can prevent compatibility issues and enhance functionality.

6. TROUBLESHOOTING

If you encounter issues with your ASWC-1 interface, please refer to the official troubleshooting guide. Common issues often relate to incorrect wiring, improper programming sequences, or outdated firmware.

Common Troubleshooting Tips:

- **No Functionality:** Double-check all wiring connections against the vehicle-specific installation manual. Ensure proper power and ground connections.
- **Incorrect Button Response:** Perform a full reset of the ASWC-1 module and re-attempt the programming sequence (either automatic or manual). Verify the correct radio type is selected.
- **LED Feedback:** Familiarize yourself with the LED feedback patterns (green, red, flashing sequences) as they indicate the module's status and can help diagnose issues. Refer to the "AXXESS ASWC-1 LED Feedback" video in Section 4.2.
- **Intermittent Operation:** Check for loose connections or interference from other electrical components.

For more detailed troubleshooting steps, download the official guide:

[Troubleshooting Guide \(PDF\)](#)

7. SPECIFICATIONS

Attribute	Detail
Brand	Axxess
Model Number	ASWC-1
Manufacturer	Metra
Material	Computer
Item Dimensions (L x W x H)	8 x 3.2 x 2.5 inches
Item Weight	1.44 ounces (0.09 Pounds)
Cable Type	USB
Connector Type	Micro USB
Color	Black
UPC	086429275472
GTIN	00086429275472

Country of Origin	USA
Date First Available	January 21, 2013

8. WARRANTY INFORMATION

The Metra Axxess ASWC-1 comes with a manufacturer's warranty, as the product is brand new. For specific details regarding warranty coverage, duration, and claims procedures, please refer to the documentation included with your product or contact Axxess customer support.

9. SUPPORT & RESOURCES

For further assistance, technical support, or additional resources, please use the following contact information and links:

Technical Support Phone: [386-257-1187](tel:386-257-1187)

Official Website: axxessinterfaces.com


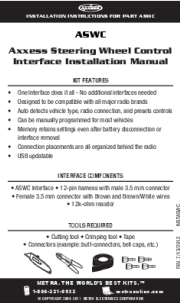
Safety Information: [Safety Information \(PDF\)](#)





Fact Sheet: [Fact Sheet \(Provider\) \(PDF\)](#)

Always ensure you are using the latest documentation and firmware for the best experience with your ASWC-1 interface.

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Related Documents - ASWC-1

	<p>Axxess ASWC-1 Steering Wheel Control Interface Installation Guide</p> <p>Comprehensive installation instructions for the Axxess ASWC-1 steering wheel control interface. Learn how to connect, program, and troubleshoot for seamless integration with your car's audio system.</p>
	<p>Axxess ASWC Steering Wheel Control Interface Installation Manual</p> <p>Comprehensive installation manual for the Axxess ASWC Steering Wheel Control Interface, covering features, components, installation steps, programming modes (Auto Detect and Manual), troubleshooting common issues, remapping buttons, and LED feedback legends.</p>

	<p><u>AX-LR902 Installation Instructions for Land Rover Range Rover Evoque (2014)</u></p> <p>Detailed installation instructions for the AXCESS AX-LR902 data interface, enabling SWC and factory display retention for 2014 Land Rover Range Rover Evoque models with rear parking sensors. Includes wiring, programming, and screen operation guides.</p>
	<p><u>Axxess AX-NIS32BT Nissan Bluetooth Bypass Installation Guide</u></p> <p>Learn how to bypass the factory Bluetooth module in compatible Nissan vehicles using the Axxess AX-NIS32BT to retain steering wheel controls with an ASWC-1. Includes vehicle applications and module location guide.</p>
	<p><u>SONY Tech Tip: Programming Steering Wheel Controls with Axxess Interface</u></p> <p>Detailed instructions for setting up and programming SONY radio steering wheel controls using the Axxess Updater or manual steps, including troubleshooting common issues and changing radio types.</p>
	<p><u>Axxess AX-GMLAN29 GM Data Interface 2006-2017 Installation Guide</u></p> <p>Installation instructions for the Axxess AX-GMLAN29 GM Data Interface, designed for 2006-2017 GM vehicles. This guide details interface features, components, vehicle applications, required tools, wiring connections, installation steps, and initialization procedures.</p>