



## ASWC-1 VEHICLE SPECIFIC INSTRUCTIONS

### ASWC-1 Connections:

- Connect the **Black** wire of the ASWC-1 to **Chassis Ground**.
- Connect the **Red** wire of the ASWC-1 to **12v accessory power**.
- Connect the **Pink** wire of the ASWC-1 to the wire in **Pin 13** of the vehicle's radio harness shown.
- Connect the 3.5mm jack to the **SWC** input on the back of the radio. If the radio does not have a 3.5mm built in, please refer to *Page 2* for wiring instructions for the Axxess 2 wire adapter.

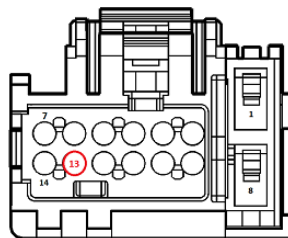
### ASWC-1 Data Wire Used:

*Pink*

### Programming Method:

*Tap Volume Up on the steering wheel*

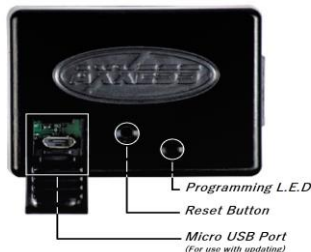
### Vehicle Connector:



This is the pin view of the 14 pin radio connector in the vehicle

### Initial Installation:

The first time the ASWC-1 is cycled on, the LED will begin to "Rapid Flash".



### Programming:

When the ASWC-1 begins to flash rapidly, it is in auto-detect mode. ***At this time, tap the Volume Up button on the wheel*** until the rapid flash stops, then quit tapping and simply wait until the LED goes solid. Now you can test the buttons on the wheel. If the LED does not go solid, refer to the LED Feedback section for information on how to proceed.

**\*\*NOTE** - If you cycle the ignition on and the ASWC only shows one **Green** flash, press and hold the Reset button for 3 seconds. This will force the ASWC-1 into Rapid flash/Program mode. If the ASWC-1 goes to a slow **Green/Red** flash you held the reset button too long, repeat the 3 second press again.

### LED Feedback:

- Rapid LED flash **Red/Green** between 3-5 seconds
- Pause for 1-2 seconds
- Series of **7 Green** LED flashes. (The ASWC-1 is detecting wires connected to the vehicle)
- Pause for 1-2 seconds
- Series of up to **18 Red** LED flashes (The ASWC-1 is detecting the radio. List of radios on pg. 2)

After this sequence one of two things will happen. Either the LED will go solid **Red**, which means the ASWC-1 has detected the vehicle, or the ASWC-1 will go back to a slow **Red/Green** flash. This means the ASWC-1 did not detect the vehicle, and connections should be rechecked, or programming method should be verified.

### Additional LED information:

After the ASWC-1 stops rapid flashing, it will pause then go directly to **7 Green** flashes. **Short flashes** indicate wires that are not connected, **Long flashes** indicate wires that are connected. **\*NOTE – The ASWC always flashes Green 7 times, this is an indicator of the ASWC-1 wires.** After the green flashes, it will pause then go to **Red** flashes; the number of flashes depends on the radio you are installing.

## Connected Wires (Long Green LED):

- 1<sup>st</sup> LED = White/Green wire on the ASWC-1
- 2<sup>nd</sup> LED = Yellow/Green wire on the ASWC-1
- 3<sup>rd</sup> LED = Green/Orange wire on the ASWC-1
- 4<sup>th</sup> LED = Gray/Red wire on the ASWC-1
- 5<sup>th</sup> LED = Black/Green wire on the ASWC-1
- 6<sup>th</sup> LED = Gray/Blue wire on the ASWC-1
- 7<sup>th</sup> LED = Pink or Blue/Pink wire on the ASWC-1

**Note:** Quick green flash indicated wires NOT connected.

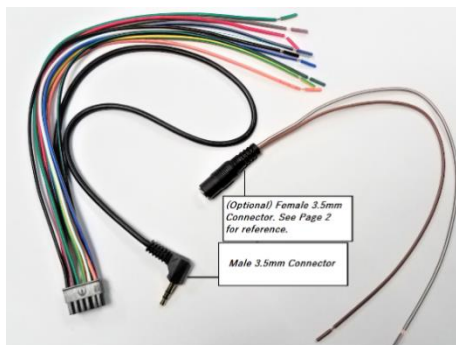
## Radio Type (Red LED):

1	Eclipse (type 1) (1)	13	LG
2	Kenwood (2)	14	Parrot (4)
3	Clarion (type 1) (1)	15	XITE
4	Boss (type 1) / Dual / Sony	16	Philips
5	JVC	17	Kicker
6	Pioneer / Jensen	18	JBL
7	Alpine (3)	19	Insane Audio
8	Visteon / Boss (type 4)	20	Magnadyne
9	Valor	21	Boss (type 3)
10	Clarion (type 2) (1)	22	Axxera
11	Boss (type 2) / Metra OE	23	Axxera (IR)
12	Eclipse (Type 2) (1)		

### Notes:

- (1) If no SWC, change the radio type to the opposite radio type.
- (2) If the interface shows **JVC**, change the radio type to **Kenwood**.
- (3) If the interface shows **Alpine**, but an Alpine radio isn't installed, make sure the 3.5mm jack is plugged in.
- (4) **AX-SWC-PARROT** required (sold separately). The software in the radio must be 2.1.4 or higher.

## Universal 3.5 Jack Connections:



Some radios will have a 3.5mm port located on the back of the radio. For radios with this option, plug the male 3.5mm jack directly into the back of the radio.

For radios that don't come with a 3.5mm port in the radio, they will have their SWC wires pinned in the harness.

Typically when going through troubleshooting and programming on an ASWC-1 you can determine if you are having a vehicle or a radio issue. **If the LED on the ASWC-1 is going solid Red at the end of programming, the ASWC-1 is programmed to the vehicle. You're focus will now be on the radio.**

## Radios with a single SWC wire:

Connect only the **Brown** wire to the radios **SWC** (Steering Wheel Control) wire. \*Note: **Kenwood & JVC** radios sometimes list their **SWC** wire as a "Marine Remote". Refer to your radio manual if you are unsure. "Typically" single wire radios will auto detect as a **Kenwood**, or need to be force programmed to a **Kenwood radio type** (Refer to **Radio Type Change on page 3**). There are times this isn't the case. In those instances, please call Tech Support.

## Universal 2 wire radios:

Connect the steering wheel control wire, referred to as **Key-A** or **SWC-1**, to the **Brown** wire of the connector. Then connect the remaining steering wheel control wire, referred to as **Key-B** or **SWC-2**, to the **Brown/White** wire of the connector.

## Universal 3 wire radios:

Connect the steering wheel control wire, referred to as **Key-A** or **SWC-1**, to the **Brown** wire of the connector. Then connect the remaining steering wheel control wire, referred to as **Key-B** or **SWC-2**, to the **Brown/White** wire of the connector. At first, connect to the radio not using the **KEY / SWC Ground**.

## Operation:

If after you've gone through your connection type and you're still getting no functionality, go to the menu of your new radio to see if you have an SWC menu. These SWC Menus sometimes need to be set to the vehicle, much like the **ASWC-1** was set to the vehicle. If after going through and using the SWC menu and having no success, there are multiple things that can need to be done.

Switching the **SWC 1 & 2** wires around (Universal 2 & 3 wire radios only), reset and reprogram, then retrying the SWC menu is an option.

Starting at **radio type 1** (refer to **Radio Type Change on page 3**), change your radio type, then go to the SWC menu, and try your buttons. If this doesn't work, move through each radio type until you find the proper communication. If you never find the proper communication, flip your wires, and start from type 1 again.

If flipping your wires doesn't work, along with going through radio types, you can go with a single wire connection to just the **Solid Brown** wire on the ASWC-1 3.5mm adapter.

## ASWC-1 Button Remapping

ASWC-1 button remapping will be used for people that want to change button function from one thing to another, once the ASWC-1 has been auto detected in a vehicle. Note: *This is not programming, this only changes your buttons.*

## ASWC-1 Remapping Sequence:

- Cycle the ignition to the on position
- Within 20 seconds of turning the ignition on, press and hold **Volume Up** until the LED on the ASWC-1 goes solid, then release the button (At this point volume up is mapped)
- You will need to follow the list below, in exact order. You may program any button you wish, in any location, other than Volume Up and Volume Down, as long as the button you are changing already has a function working on it.
- To skip a function in the list, hold **Volume Up** until the LED comes on then release it. This means you've skipped the function.
- To complete the remapping process, press and hold the **Volume Up** button until the LED on the ASWC-1 goes out.

## Button Assignment Legend

- |                   |                        |
|-------------------|------------------------|
| 1. Volume Up      | 8. Preset Down         |
| 2. Volume Down    | 9. Power               |
| 3. Seek Up/Next   | 10. Band               |
| 4. Seek Down/Prev | 11. Play/Enter         |
| 5. Source/Mode    | 12. PTT (Push to Talk) |
| 6. Mute           | 13. On Hook            |
| 7. Preset Up      | 14. Off Hook           |

## ASWC-1 Changing Radio Type

In some cases, you have to change the radio type. Below you'll see how to do this.

### Radio Type Sequence:

- Cycle the ignition to the on position
- After 3 seconds, press and hold **Volume Down** till the LED on the ASWC-1 goes solid, then release.
- Tap **Volume Up** the designated times for your radio code. **\*Note:** *Your radio code is below, and will correspond with the number beside it.*
- Once you've tapped **Volume up** the proper amount of times for your radio code, Press and hold **Volume Down** until the LED goes solid.
- Once the LED goes **Solid**, you have completed changing the radio type.

### Radio Type List:

1	Eclipse (type 1) (1)	13	LG
2	Kenwood (2)	14	Parrot (4)
3	Clarion (type 1) (1)	15	XITE
4	Boss (type 1) / Dual / Sony	16	Philips
5	JVC	17	Kicker
6	Pioneer / Jensen	18	JBL
7	Alpine (3)	19	Insane Audio
8	Visteon / Boss (type 4)	20	Magnadyne
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12	Eclipse (Type 2) (1)		

## Troubleshooting:

- Verify 12 volt power & chassis ground have a good connection. **\* Tip:** *If you have the ground wire going to your radio harness, remove it and take it to a bolt or solid piece of metal located in the vehicle dash.*
- *Verify your connections are proper and that the view of the connector was established properly when finding your connections. (Pin view or Wire view)*
- *Verify the 3.5mm jack is secured in its proper location, and not in a secondary location.*
- *Remove any aftermarket T-taps, or barrel connections, as these will add resistance to a resistance based system.*
- *If using a "2 or 3 wire" universal style radio, verify that you're using the proper connection to the radio using the female 3.5 jack.*
- *\*Pioneer radio users\* if you've installed your Pioneer, and the buttons are either mixed up, or not all working, do the following: Pop the 3.5 male jack in and out of the back of the radio 5 – 6 times. On the last time, make sure it's set in well. Once this is done, reset and reprogram the ASWC-1 (as seen in the beginning of the instructions).*
- *If you've made all your connections and the ASWC-1 won't connect, remove any and all aftermarket connectors. T-Taps, Barrels Connectors, and Quick Connectors will all add resistance.*
- **NOTE:** *Steering wheel controls must be the ones that came with the vehicle when purchased. Axxess does not support custom work to vehicles, i.e. adding a new steering wheel with new / different buttons.*
- *If you've exhausted every portion of troubleshooting, as well as the installation guide, you can call Tech Support at 800-253-8324, or email at [Techsupport@metra-autosound.com](mailto:Techsupport@metra-autosound.com). Be aware, we will go over everything covered in this installation guide. Please have your vehicle apart, with your vehicle, and ready to work.*

## Dual Assignment Instructions:

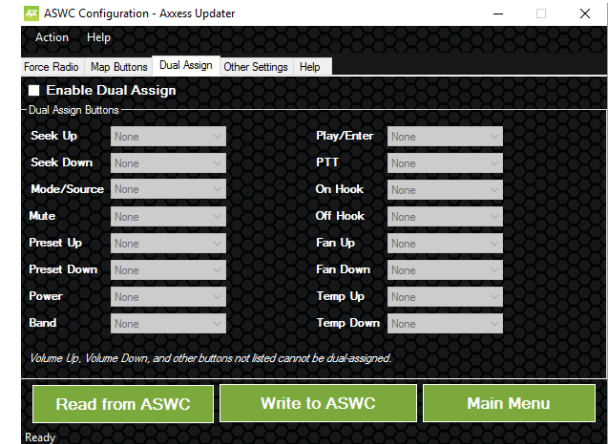
**Note:** *Seek Up* and *Seek Down* are initially set to *Preset Up* and *Preset Down* for a long button press.

- With the key in the accessory position. Press and hold down the steering wheel button, that you want to assign a long press function, for roughly 10 seconds until the LED flashes green rapidly. At this point release the button and the LED will go solid green.
- Press and release the **Volume Up** button the number of times corresponding to the new button number selected (refer to the chart in the next column). The green LED will blink rapidly when the **Volume Up** is pressed and back to solid green when released. Then go to the next step when the **Volume Up** button has been pressed the desired number of times.
- **Caution:** *If more than 10 seconds elapses between a **Volume Up** button press this procedure will abort, and the LED will go off.*
- To store the long press button in memory, press the button that you assigned a long press button (the button held down in Step 1). The LED will now go off indicating it has been stored.
- **Note:** *These steps must be repeated for each button you would like to assign dual purpose action to.*
- To reset a button, back to its original use, repeat Step 1. Then press the **Volume Down** button. The LED will go off and the long press mapping for the button will be erased.

## Dual Assignment Legend:

Button Press	Button Action
1	Not Allowed
2	Not Allowed
3	Seek Up / Next
4	Seek Down / Next
5	Mode / Source
6	Mute
7	Preset Up
8	Preset Down
9	Power
10	Band
11	Play / Enter
12	PTT
13	On Hook
14	Off Hook
15	Fan Up
16	Fan Down
17	Temp Up
18	Temp Down

**\*Note:** All Remapping and Dual Press features can be done through the Axxess PC & Android app (Phones must have hosting capabilities to configure ASWC-1), or on apple products using the AX-HUB. Visit [www.Axxessinterfaces.com](http://www.Axxessinterfaces.com) to download, or Android Playstore to download.



## Harness Wire Locations:

