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INTERFACE COMPONENTS

- AXDIS-CL2 interface
- AXDIS-CL2 harness
- 16-pin harness with stripped leads
- 4-pin to 4-pin resistor pad
- Female 3.5mm connector with stripped leads

APPLICATIONS

See inside front cover

Radio Replacement Data Interface with SWC

Fits Select GM Models 2000-2014

INTERFACE FEATURES

- Designed for non-amplified or analog/digital amplified systems
- Provides accessory power (12-volt 10-amp)
- Retains R.A.P. (Retained Accessory Power)
- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains audio controls on the steering wheel
- Retains OnStar[®], OEM Bluetooth[®] connectivity, and sat. radio if equipped
- Adjustable volume for OnStar[®]
- Retains balance & fade (excludes digital amplified models)
- Retains chimes and factory AUX-IN jack
- Retains Rear Seat Entertainment (RSE must be activated by factory radio)
- Micro "B" USB updatable

For **Dash Disassembly Instructions**, refer to metraonline.com. Enter the year, make, and model of the vehicle in the **Vehicle Fit Guide** for **Radio Install kits**.

www.MetraOnline.com

Product Info



TABLE OF CONTENTS

Applications	2
Tools Required	2
Connections	
Non-Amplified Models	3
Amplified Models	4
Installation	5
Programming	5-6
Adjusting the AXDIS-CL2	7
Extra features	7-8
Steering wheel control settings	9-12
LED feedback	9
Changing radio type	10
Remapping	10
Dual assignment instructions	11-12
Troubleshooting	12

ATTENTION: With the key out of the ignition, disconnect the negative battery terminal before installing this product. Ensure that all installation connections, especially the air bag indicator lights, are plugged in before reconnecting the battery or cycling the ignition to test this product.

NOTE: Refer also to the instructions included with the aftermarket accessory before installing this device.

APPLICATIONS

BUICK

Allure	2005-2009
Century	2004-2005
LaCrosse	2005-2009
Rainier	2004*-2007
Rendezvous	2002-2007
Terraza	2005-2008

CADILLAC

Escalade ESV & EXT**	2003-2006
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CHEVROLET

Avalanche**	2003-2006
Cavalier	2000-2005
Colorado	2004-2014
Corvette	2005-2013
Express Van (Full Size)	2003-2007
Impala	2000-2005

CHEVROLET (CONT)

Malibu (2004-05 Classic Style only) ...	2001-2005
Monte Carlo	2000-2005
Silverado **	2003-2006
Silverado Pickup Classic**	2007
SSR	2003-2006
Suburban**	2003-2006
Tahoe**	2003-2006
Trailblazer*	2002-2004
Trailblazer	2005-2009
Uplander	2005-2008
Venture Van	2000-2005

GMC

Canyon	2004-2012
Envoy*	2002-2004

GMC (CONT)

Envoy	2005-2009
Savana (Full Size Van)	2003-2007
Sierra /Sierra Classic**	2003-2007
Yukon / Yukon XL ** /Denali	2003-2006

HUMMER

H2***	2003-2007
H3/H3t	2006-2010

ISUZU

Ascender	2003-2008
i-280	2006
i-290	2007-2008
i-350	2006
i-370	2007-2008

OLDSMOBILE

Alero	2001-2004
Bravada*	2002-2004
Intrigue	2002
Silhouette	2000-2004

PONTIAC

Aztec	2001-2005
Grand Am	2001-2005
Grand Prix	2004-2008
Montana	2000-2005
Sunfire	2000-2005

SAAB

9-7x	2005-2009
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SATURN

Relay	2005-2007
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*These vehicles have a digital amp option. Please reference the "Service Parts Identification" sticker located in the glove box for the RPO code UQA. If UQA is present, then the vehicle is equipped with a digital amplifier.

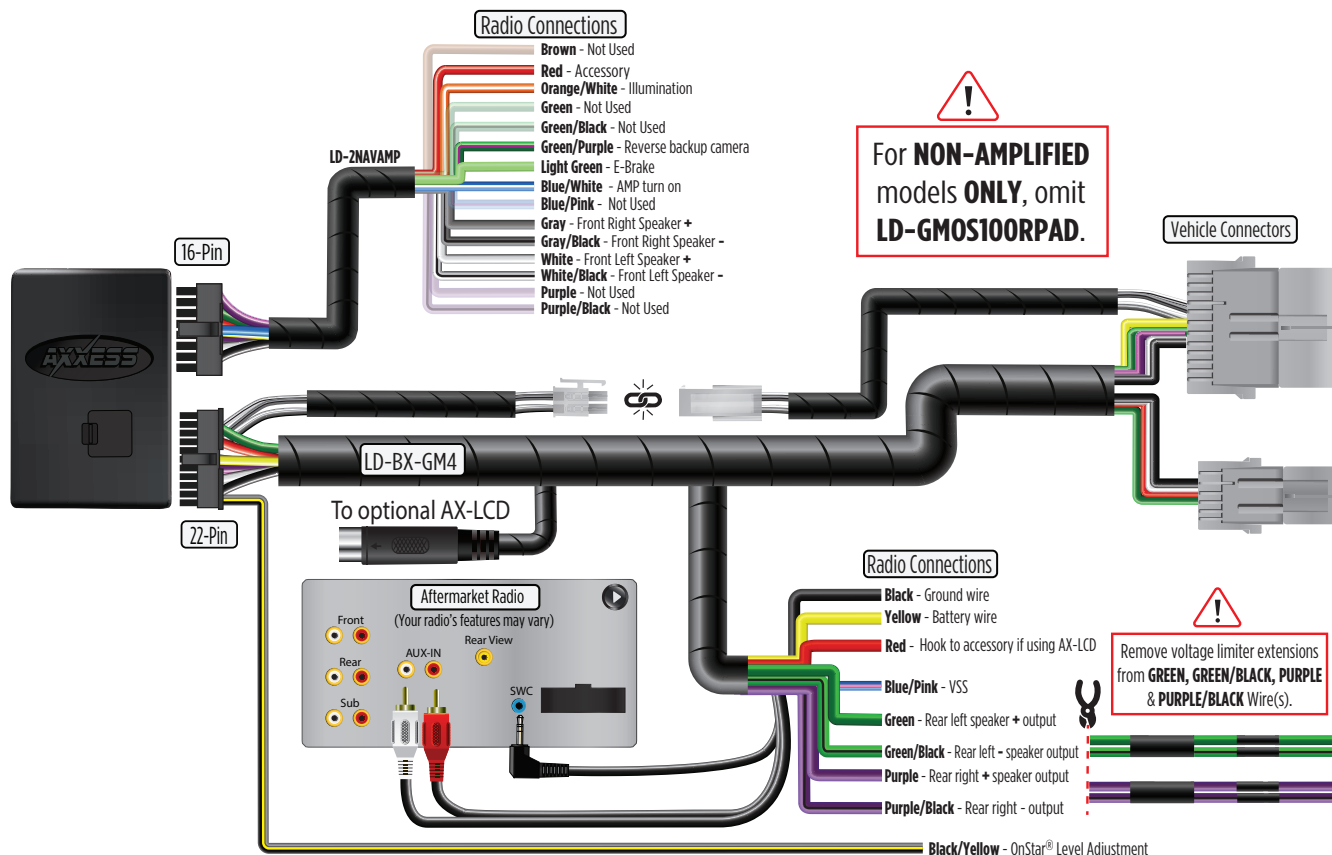
**These vehicles have a digital amp option. Please reference the "Service Parts Identification" sticker located in the glove box for the RPO code Y91. If Y91 is present, then the vehicle is equipped with a digital amplifier.

*** These vehicles are standard for a digital amplifier.

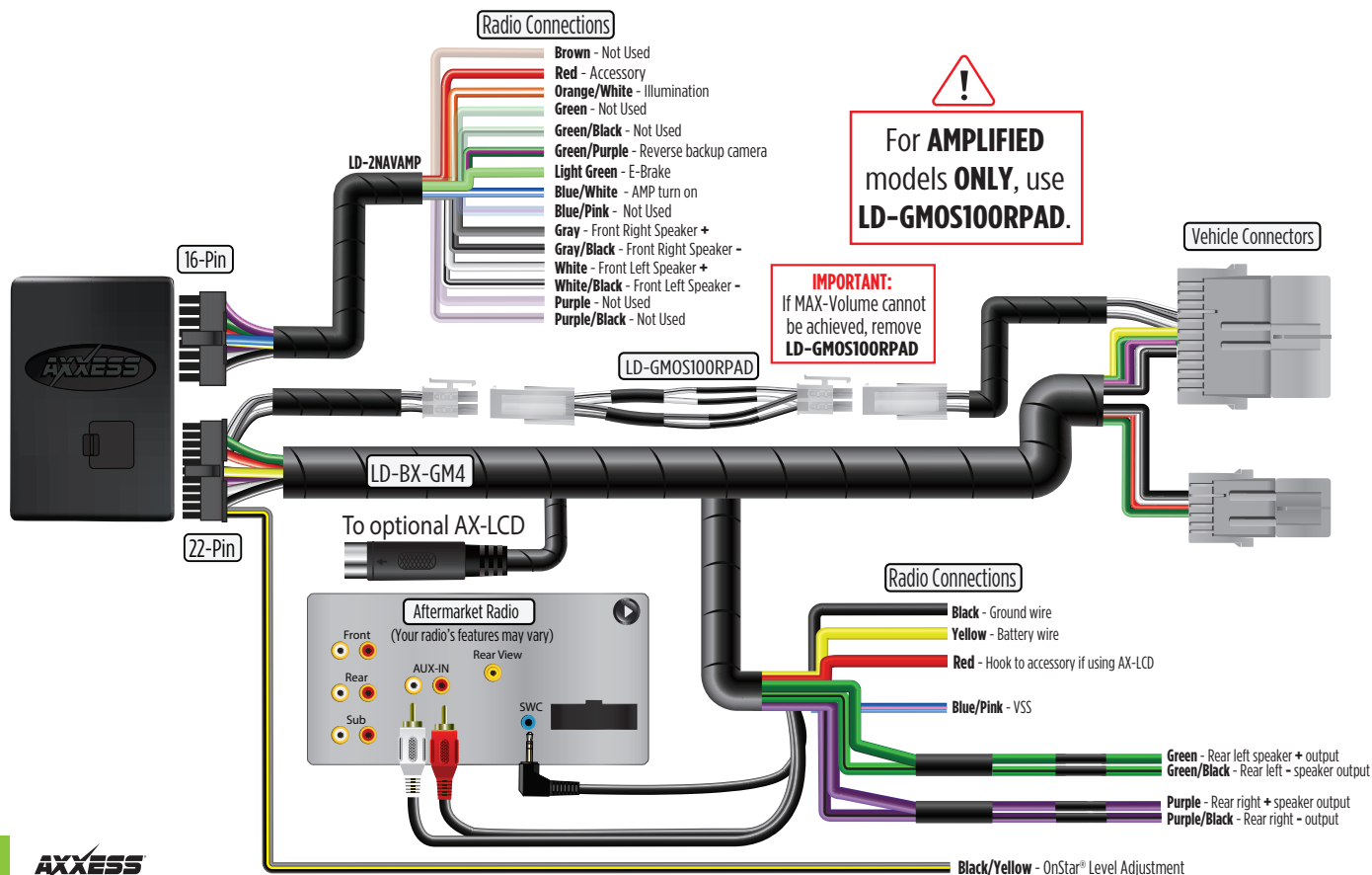
TOOLS REQUIRED

- Wire cutter • Crimp tool • Tape • Small flat-blade screwdriver
- Crimping tool and connectors (example: butt-connectors, bell caps, etc.), or solder gun, solder

CONNECTIONS: FOR NON-AMPLIFIED MODELS



CONNECTIONS: FOR AMPLIFIED MODELS



INSTALLING THE AXDIS-CL2

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the **AXDIS-CL2** harness, into the interface.

Attention! Do not connect the **AXDIS-CL2** harness to the wiring harness in the vehicle just yet.

Attention! If retaining steering wheel controls, ensure that the jack/wire is connected to the radio before proceeding. If this step is skipped, the interface will need to be reset for the steering wheel controls to function.

PROGRAMMING THE AXDIS-CL2

There are (2) different methods for programming the **AXDIS-CL2**, depending on the vehicle being worked on.

For the following applications:

BUICK

Century 2004-2005
LaCrosse..... 2005-2009
Regal..... 2004
Rendezvous.....2002-2007
Terraza.....2005-2007

CHEVROLET

Corvette..... 2005-2013
Impala..... 2000-2005
Monte Carlo 2000-2005
Uplander 2005-2008

OLDSMOBILE

Alero 2001-2004
Intrigue.....2002

PONTIAC

Aztec 2001-2005
Grand Am 2001-2005
Grand Prix..... 2004-2008
Montana SV6 2005-2006

SATURN

Relay2005-2007

For the steps below, the LED located inside the interface can only be seen while active. The interface does not need to be opened to see the LED

1. Start the vehicle.
2. Connect the **AXDIS-CL2** harness to the wiring harness in the vehicle.
3. The LED will initially turn on solid **Green**, then turn off for a few seconds while it auto detects the radio installed.
4. The LED will then flash **Red** up to (26) times indicating which radio is connected to the interface, and then turn off for a couple of seconds. Pay close attention to how many red flashes there are. This will help in troubleshooting, if needed. Refer to the LED feedback section for more information.
5. After a couple seconds the LED will turn on solid **Red** while the interface auto detects the vehicle. The radio will shut off at this point. This process should take 5 to 30 seconds.

Continued on the next page

PROGRAMMING THE AXDIS-CL2 (CONT)

6. Once the vehicle has been auto detected by the interface, the LED will turn on solid **Green**, and the radio will come back on, indicating programming was successful.
7. Immediately after the radio comes back on, the following buttons on the steering wheel must be pressed in the exact sequence as shown. For each button press, the LED will turn on momentarily. If a button is not present, press **Volume-Up** to skip that button.
 - Volume Up • Seek Up • Volume Up • Volume Up (OnStar®) • Volume Up
8. The LED will turn on after the last **Volume-Up** button has been pressed, indicating programming has ended.
9. Test all functions of the installation for proper operation, before reassembling the dash.
10. If the interface fails to function, refer to Resetting the **AXDIS-CL2**, then resume from step 7.

Notes:

- PTT (OnStar®) when pressed will Mute/Attenuate the radio.
- PTT (OnStar®) when pressed and held for 2 seconds will activate OnStar®, if applicable.

For all other applications:

For the steps below, the LED located inside the interface can only be seen while active. The interface does not need to be opened to see the LED

1. Start the vehicle.
2. Connect the **AXDIS-CL2 harness** to the wiring harness in the vehicle.
3. The LED will initially turn on solid **Green**, then turn off for a few second while detecting the radio.
4. The LED will then flash **Red & Green** in different patterns (see chart) indicating which radio is connected to the interface, and then turn off for a couple of seconds. Pay close attention to the **RED & Green** LED pattern. This will help in troubleshooting, if need be. Refer to the **LED Feedback** section for more information.
5. After a couple seconds the LED will turn on solid **Red** while the interface auto detects the vehicle. The radio will shut off at this point. The process should take 5 to 30 seconds.
6. Once the vehicle has been auto detected by the interface, the LED will turn on solid **Green**, then the radio will come back on, indicating that programming was successful.
7. Test all functions of the installation for proper operation, before reassembling the dash. If the interface fails to function, refer to the **Troubleshooting** section.

Note: The LED will turn on solid **Green** for a moment, then turn off under normal operation after the key has been cycled.

ADJUSTING THE AXDIS-CL2

Audio level adjustment (digital amplified models only):

- With the vehicle and radio turned on, turn the volume up 3/4 of the way.
- With a small flat-blade screwdriver, adjust the potentiometer clockwise to raise the audio level; counterclockwise to lower the audio level.
- Once at a desired level, audio level adjustment is complete.

Chime level adjustment (digital amplified models only):

- With the vehicle on, turn it off and leave the keys in ignition. Open the driver's door; chimes will be heard.
- Wait 10 seconds, and then with a small screwdriver, turn the potentiometer clockwise to raise the chime level; counterclockwise to lower the chime level.
- When the chime is at a desired level, remove the keys from the ignition. This will lock the chime volume at its current level.

OnStar® Level Adjustment

- Press the OnStar® button to activate it.
- While OnStar® is speaking, press the **Volume-Up** or **Volume-Down** button on the steering wheel to raise or lower the OnStar® level.
- If the vehicle does not come equipped with steering wheel controls, locate the **Black/Yellow** wire on the **AXDIS-CL2** harness.
- While OnStar® is speaking, tap the **Black/Yellow** wire to ground. Once the OnStar® level is set, it will stay at that level until the **Black/Yellow** wire is tapped to ground again.

EXTRA FEATURES

AUX-IN, RSE and SAT:

- If your vehicle comes equipped with AUX-IN, rear seat entertainment, or satellite radio, the **AXDIS-CL2** can retain these features.
- Change the source of the radio to AUX-IN; satellite radio will start playing.
- The optional AX-LCD (sold separately) will now display your satellite radio information.
- Listed below are the functions of the AX-LCD while using satellite radio:
 - **Arrow up**—Channel up
 - **Arrow down**—Channel down
 - **Enter**—Selects current item on the screen
 - **Return/ESC**—Exits to the previous screen
- To access advanced features of the satellite radio, press and hold the **SOURCE** button on the steering wheel for 3 seconds.

Note: *If the vehicle is not equipped with steering wheel controls, the AX-LCD will be required for this feature.*
- Listed below are the functions of the steering wheel control buttons while accessing the advanced features:
 - **SEEK UP** – Scrolls menu up.
 - **SEEK DOWN** – Scrolls menu down.
 - **VOLUME UP** – Enter

Continued on the next page

EXTRA FEATURES (CONT)

- Listed below are the advanced menu options:
 - **Show Text** – Exits menu.
 - **Set Tuning Mode** – Allows the user to select tuning by preset or channel.
 - **Set Preset** – Allows the user to program presets.
 - **Set Display** – Allows the user to choose which satellite radio information should be displayed.

Note: If using the AX-LCD, *SEEK UP* controls the top line on the display; *SEEK DOWN* the bottom line.

- Set **Satellite Radio Text Mode** - Allows the user to set the display length of the satellite radio information. Options are; On, Off, or 5 seconds (default is 5 seconds).
- To access AUX-IN or rear seat entertainment, press and hold the **SOURCE** button on the steering wheel for 2 seconds. This will switch to the next source available. Each time the **SOURCE** button is pressed for 2 seconds the source will change. The sequence of sources are SAT/RSE/AUX-IN. The AX-LCD will provide a visual confirmation of what source you are on.

RADIO LED FEEDBACK

RADIO	LED PATTERN	
Pioneer/Jensen	G	
JVC	R	
KENWOOD	GG	 
SONY/DUAL	GR	 
Reserved for future use	RG	 
ALPINE	RR	 
ALPINE (type 2)	GGG	  
AXXERA	GGR	  
AXXERA (type 2)	GRG	  
MAGNADYNE	GRR	  

- 1) If the LED pattern shows **JVC**, but a **JVC** radio isn't installed, change the radio type to Kenwood. Refer to the **Changing Radio Type** document.
- 2) If the LED pattern shows **Alpine**, but an **Alpine** radio isn't installed, make sure the 3.5mm jack is plugged into the radio.
- 3) If no SWC, change the radio type to the opposite radio type. Refer to the **Changing Radio Type** document.

RADIO	LED PATTERN	
BOSS	RGG	  
Reserved for future use	RGR	  
CLARION (type 1)	RRG	  
CLARION (type 2)	RRR	  
Reserved for future use	GGGG	   
Reserved for future use	GGGR	   
Reserved for future use	GGRG	   
Reserved for future use	GRRR	   
Reserved for future use	GRGG	   
Reserved for future use	GRGR	   
Resistive Radio #1	GRRG	   
Resistive Radio #2	GRRR	   
Resistive Radio #3	RGGG	   
Resistive Radio #4	RGGR	   
Resistive Radio #5	RGRG	   
Resistive Radio #6	RGRR	   

STEERING WHEEL CONTROL SETTINGS

Attention: The Axxess Updater App can also be used to program the following (3) sub-sections as well, pending that the interface has been initialized and programmed.

Changing Radio Type

1. If the LED flashes do not match the radio you have connected, you must manually program the **AXDIS-CL2** to tell it what radio it is connected to.
2. After (3) seconds of turning the key on, press and hold the **Volume-Down** button on the steering wheel until the LED in the **AXDIS-CL2** goes solid.
3. Release the **Volume-Down** button; the LED will go out indicating we are now in **Changing Radio Type** mode.
4. Refer to the Radio Legend to know which radio number you would like to have programmed.
5. Press and hold the **Volume-Up** button until the LED goes solid, and then release. Repeat this step for the desired radio number you have selected.
6. Once the desired radio number has been selected, press and hold the **Volume-Down** button on the steering wheel until the LED goes solid. The LED will remain on for about (3) seconds while it stores the new radio information.
7. Once the LED goes off, the **Changing Radio Type** mode will then end. You can now test the steering control wheel controls.

Note: If at any time the user fails to press any button for a period longer than (10) seconds, this process will abort.

Note: Refer to LED Feedback Legend for number of flashes, and for more information regarding specific radios.

Flash Count Radio Legend

1 Pioneer/Jensen	10 MAGNADYNE	19 Reserved
2 JVC	11 BOSS	20 Reserved
3 KENWOOD	12 Reserved	21 Resistive Radio #1
4 SONY/DUAL	13 CLARION (type 1)	22 Resistive Radio #2
5 Reserved	14 CLARION (type 2)	23 Resistive Radio #3
6 ALPINE	15 Reserved	24 Resistive Radio #4
7 ALPINE (type 2)	16 Reserved	25 Resistive Radio #5
8 AXXERA	17 Reserved	26 Resistive Radio #6
9 AXXERA (type 2)	18 Reserved	

Remapping the Steering Wheel Control Buttons

Let's say you have **AXDIS-CL2** initialized and you want to change the button assignment for the steering wheel control buttons. For example, you would like Seek-Up to become Mute. Follow the steps below to remap the steering wheel control buttons:

1. Ensure the **AXDIS-CL2** is visible so you can see the LED flashes to confirm button recognition.
Tip: Turning the radio off is recommended.
2. Within the first twenty seconds of turning the ignition on, press and hold the **Volume-Up** button on the steering wheel until the LED goes solid.

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STEERING WHEEL CONTROL SETTINGS (CONT)

- Release the **Volume-Up** button, the LED will then go out; The **Volume-Up** button has now been programmed.
- Follow the list in the **Button Assignment Legend** to reference the order in which the steering wheel control buttons need to be programmed.
Note: If the next function on the list is not on the steering wheel, press the **Volume-Up** button for (1) second until the LED comes on, and then release the **Volume-Up** button. This will tell the **AXDIS-CL2** that this function is not available and it will move on to the next function.
- To complete the remapping process, press and hold the **Volume-Up** button on the steering wheel until the LED in the **AXDIS-CL2** goes out.

Button Assignment Legend

Function #	Function	Function #	Function
1	Volume-Up	10	Band
2	Volume-Down	11	Play/Enter
3	Seek-Up/Next	12	PTT (Push to Talk)
4	Seek-Down/Prev	13	On-Hook
5	Source/Mode	14	Off-Hook
6	Mute	15	Fan-Up *
7	Preset-Up	16	Fan-Down *
8	Preset-Down	17	Temp-Up *
9	Power	18	Temp-Down *

**Not applicable in this application*

Note: Some radios may not have these commands. Please refer to the manual provided with the radio, or contact the radio Manufacturer for specific commands recognized by that particular radio.

Dual assignment instructions (long button press)

The **AXDIS-CL2** has the capability to assign (2) functions to a single button, except **Volume-Up** and **Volume-Down**. Follow the steps below to program the button(s) to your liking.

Note: Seek-Up and Seek-Down come pre-programmed as Preset-Up and Preset-Down for a long button press.

- Turn on the ignition but do not start the vehicle.
- Press and hold down the steering wheel control button that you want to assign a long press function to for about (10) seconds, or until the LED flashes rapidly. At this point release the button; the LED will then go solid.
- Press and release the **Volume-Up** button the number of times corresponding to the new button number selected. Refer to the Dual Assignment Legend. The LED will flash rapidly while the **Volume-Up** button is being pressed, and then go back to a solid LED once released. Go to the next step once the **Volume-Up** button has been pressed the desired number of times.
Caution: If more than (10) seconds elapses between pressing the **Volume-Up** button, this procedure will abort, and the LED will go out.
- To store the long press button in memory, press the button that you assigned a long press button to (the button held down in Step 2). The LED will now go off indicating the new information has been stored.

Note: These steps must be repeated for each button you would like to assign a dual purpose feature to. To reset a button back to its default state, repeat Step 1, and then press the **Volume-Down** button. The LED will go out, and the long press mapping for that button will be erased.

Continued on the next page



AXDIS-CL2

INSTALLATION INSTRUCTIONS

STEERING WHEEL CONTROL SETTINGS (CONT)

Dual Assignment Legend

Function #	Function	Function #	Function
1	Not allowed	10	Band
2	Not allowed	11	Play/Enter
3	Seek-Up/Next	12	PTT
4	Seek-Down/Prev	13	On-Hook
5	Mode/Source	14	Off-Hook
6	ATT/Mute	15	Fan-Up *
7	Preset-Up	16	Fan-Down *
8	Preset-Down	17	Temp-Up *
9	Power	18	Temp-Down *

* Not applicable in this application

TROUBLESHOOTING

Resetting the AXDIS-CL2

1. The **Blue** reset button is located inside the interface, between the two connectors. The button is accessible outside the interface, no need to open the interface.
2. Press and hold the reset button for two seconds, and then let go to reset the interface.
3. Refer to “Programming the Interface” from this point.

Having difficulties? We're here to help.



Contact our Tech Support line at:

386-257-1187



Or via email at:

techsupport@metra-autosound.com

Tech Support Hours (Eastern Standard Time)

Monday - Friday: 9:00 AM - 7:00 PM

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