



Lexus / Toyota **Amplifier Interface 2001-2015**

INTRODUCTION

The AX-ADTY01 harness is designed for, and must be used with, the AX-ADBOX1 or AX-ADBOX2 interface (sold separately). Please refer to the AX-ADBOX1 or AX-ADBOX2 for the 16-pin connector with stripped leads.

INTERFACE FEATURES

- Provides accessory power (12-volt 10-amp)
- Retains the factory AUX-IN jack
- Pre-wired ASWC-1 harness (ASWC-1 sold separately)

† To retain fade, use the AX-ADBOX1

- Designed for amplified models
- Retains balance and fade[†]
- Micro “B” USB updatable

INTERFACE COMPONENTS

- AX-ADTY01 harness
- ASWC-1/AUX-IN harness

APPLICATIONS

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TOOLS REQUIRED

- Crimping tool and connectors, or solder gun, solder, and heat shrink
- Small flat-blade screwdriver
- Tape
- Wire cutter
- Zip ties

CAUTION! All accessories, switches, climate controls panels, and especially air bag indicator lights must be connected before cycling the ignition. Also, do not remove the factory radio with the key in the on position, or while the vehicle is running.

APPLICATIONS

LEXUS

ES Series
 ES Series (w/ multi disc)
 GS Series *
 IS Series
 LS Series †
 RX Series
 SC Series *

2007-2012
 2002-2006
 2001-2005
 2002-2005
 2001-2006
 2004-2008
 2002-2010

TOYOTA

4-Runner
 Avalon ‡
 Avalon
 (Camry) Solara
 Camry (w/o nav)
 Camry
 Corolla
 FJ Cruiser
 Highlander
 Matrix
 Prius 3rd Gen (w/o nav)

2003-2013
 2005-2010
 2011-2012
 2004-2008
 2012-2013
 2007-2011
 2003-2011
 2011-2014
 2008-2013
 2005-2012
 2012-2015

TOYOTA (Cont)

Plug-In (PHV) (w/o nav)
 Prius
 Rav-4
 Sequoia
 Sequoia (w/o nav)
 Sienna
 Tacoma
 Tundra
 Tundra (Double Cab)
 Venza (w/ SD card based nav)
 Venza

2012-2015
 2004-2011
 2004-2014.5
 2005-2012
 2013
 2004-2014
 2005-2013
 2006-2013
 2004-2005
 2013-2014
 2009-2012

* These models require the ASWC-TOY-LEX (sold separately) instead of the ASWC-1 (sold separately) to retain steering wheel controls. The ASWC-1/AUX-IN harness will not be used in these applications.

† Steering wheel controls cannot be retained in this application.

‡ The ASWC-1/AUX-IN harness will not be used in this application.

CONNECTIONS TO BE MADE

From the 16-pin harness with stripped leads to the aftermarket radio (harness included with interface):

- Connect the **Red** wire to the accessory wire.
- Connect the **Blue/White** wire to the amp turn on wire. This wire must be connected to hear sound from the factory amplifier.
- Connect the **White** wire to the left front positive speaker output.
- Connect the **White/Black** wire to the left front negative speaker output.
- Connect the **Gray** wire to the right front positive speaker output.
- Connect the **Gray/Black** wire to the right front negative speaker output.
- Connect the **Green** wire to the radio's left rear positive speaker output.
- Connect the **Green/Black** wire to the radio's left rear negative speaker output.
- Connect the **Purple** wire to the radio's right rear positive speaker output.
- Connect the **Purple/Black** wire to the radio's right rear negative speaker output.
- Tape off and disregard the following (5) wires, they will not be used in this application:
Blue/Pink, Brown, Green/Purple, Light Green, Orange/White

From the AX-ADTY01 harness to the aftermarket radio:

- Connect the **Black** wire to the radio's ground wire.
- Connect the **Yellow** wire to the battery wire.
- Connect the **Blue** wire to the power antenna wire.

From the ASWC-1/AUX-IN harness to the aftermarket radio:

- This harness is to be used along with the optional ASWC-1 (not included) to retain steering wheel audio controls. If the ASWC-1 is not being used, disregard this harness, unless AUX-IN is desired to be retained. If it will be used, please refer to the ASWC-1 instructions for radio connections and programming. Disregard the harness that comes with the ASWC-1.
Note: *Not applicable for the Toyota Avalon 2005-2010.*
- Connect the **Black** wire to the ground wire.
- This harness will work with both early and late generation model Toyota SWC harnesses. Early generation models use a 20-pin harness; late generation models use a 28-pin harness. Use only the appropriate harness that the vehicle requires (only one of the harnesses will connect into the wiring harness in the vehicle). The 12-pin harness will connect into the ASWC-1.
- If retaining the factory AUX-IN jack, connect the **Red & White** RCA jacks to the AUX input.

INSTALLING & PROGRAMMING THE AX-ADTY01

Attention! The AX-ADTY01 will work with both the AX-ADBOX1 and AX-ADBOX2 interfaces, but programming will be different. Refer to the proper page for whichever interface is being used. Also note, the programming instructions for the AX-ADBOX2 reflect gen. 2. If installing a gen. 1 AX-ADBOX2, refer to the AX-ADBOX1 programming instructions. Gen. 2 interfaces can be distinguished by a blue reset button between the (2) connectors.

AX-ADBOX1

Installing the AX-ADTY01

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AX-ADTY01 harness, into the interface.
- Connect the AX-ADTY01 harness to the wiring harness in the vehicle.

Note: Not applicable for the Toyota Avalon 2005-2010.

- If an ASWC-1 (sold separately) will be used, do not connect it until the AX-ADTY01 is programmed and fully functional.

Programming the AX-ADTY01

Attention! If the interface ever loses power, the following steps will need to be performed again. Please ensure that the owner of the vehicle knows this.

- Turn the key (or push-to-start button) to the ignition position and wait until the radio comes on.

Note: If the radio doesn't come on within 60 seconds, turn the key to the off position, disconnect the interface, check all connections, reconnect the interface, and then try again.

- Turn the key (or push-to-start button) to the off position, then to the accessory position. Test all functions of the installation for proper operation, before reassembling the dash.

Note: To use fade, ensure the radio is turned up 3/4 of the way.

Continue to Adjusting the AX-ADTY01

INSTALLING & PROGRAMMING THE AX-ADTY01

Attention! The AX-ADTY01 will work with both the AX-ADBOX1 and AX-ADBOX2 interfaces, but programming will be different. Refer to the proper page for whichever interface is being used. Also note, the programming instructions for the AX-ADBOX2 reflect gen. 2. If installing a gen. 1 AX-ADBOX2, refer to the AX-ADBOX1 programming instructions. Gen. 2 interfaces can be distinguished by a blue reset button between the (2) connectors.

AX-ADBOX2

Installing the AX-ADTY01

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AX-ADTY01 harness, into the interface.
- Connect the ASWC-1/AUX-IN harness to the wiring harness in the vehicle.

Note: Not applicable for the Toyota Avalon 2005-2010.

- If an ASWC-1 (sold separately) will be used, do not connect it until the AX-ADTY01 is programmed and fully functional.

Attention! Do not connect the AX-ADTY01 harness to the wiring harness in the vehicle just yet.

Programming the AX-ADTY01

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

1. Start the vehicle.
2. Connect the AX-ADTY01 harness to the wiring harness in the vehicle. The L.E.D. will initially be **Green** to indicate the interface is powered.
3. After a few seconds the L.E.D. will turn on solid **Red** while the interface automatically programs to the vehicle. The radio will shut off at this point. This process should take 5 to 30 seconds.
4. After the interface is programmed, the L.E.D. will turn on solid **Green**, and the radio will come back on, indicating programming was successful.
5. Test all functions of the installation for proper operation, before reassembling the dash.
6. If the interface fails to function, refer to “Troubleshooting”, “Resetting the interface”.

Troubleshooting

Resetting the interface

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, then let go to reset the interface.
3. Refer to “Programming the AX-ADTY01 Interface” from this point.

Continue to Adjusting the AX-ADTY01

ADJUSTING THE AX-ADTY01

Audio level adjustment:

- With the vehicle and radio turned on, turn the volume up $\frac{3}{4}$ 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.



AX-ADTY01

INSTALLATION INSTRUCTIONS



IMPORTANT

If you are having difficulties with the installation of this product, please call our Tech Support line at 1-800-253-TECH. Before doing so, look over the instructions a second time, and make sure the installation was performed exactly as the instructions are stated. Please have the vehicle apart and ready to perform troubleshooting steps before calling.



KNOWLEDGE IS POWER

Enhance your installation and fabrication skills by enrolling in the most recognized and respected mobile electronics school in our industry. Log onto www.installerinstitute.com or call 800-354-6782 for more information and take steps toward a better tomorrow.



Metra recommends MECP certified technicians