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

INTRODUCTION

The AXADBXH-TY1 harness is designed for, and must be used with, the AXADBX-1 or AXADBX-2 interface (sold separately). Please refer to the AXADBX-1 or AXADBX-2 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 AXSWC harness (AXSWC sold separately)
- Designed for amplified models
- Retains balance and fade†
- Micro "B" USB updatable

† *To retain fade, use the AXADBX-1*

INTERFACE COMPONENTS

- AXADBXH-TY1 harness
- AXSWC/AUX-IN harness

APPLICATIONS

See inside front cover

TABLE OF CONTENTS

Connections to be made 3
Installing & programming the AXADBXH-TY1
AXADBX-1 4
AXADBX-2 5
Adjusting the AXADBXH-TY1 6

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.

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APPLICATIONS

LEXUS	
ES Series	2007-2012
ES Series (w/ multi disc)	2002-2006
GS Series *	2001-2005
IS Series	2002-2005
LS Series †	2001-2006
RX Series	2004-2008
SC Series *	2002-2010

TOYOTA	
4-Runner	2003-2013
Avalon ‡	2005-2010
Avalon	2011-2012
(Camry) Solara	2004-2008
Camry (w/o nav)	2012-2013
Camry	2007-2011
Corolla	2003-2011
FJ Cruiser	2011-2014
Highlander	2008-2013
Matrix	2005-2012
Prius 3rd Gen (w/o nav)	2012-2015

TOYOTA (Cont)	
Plug-In (PHV) (w/o nav)	2012-2015
Prius	2004-2011
Rav-4	2004-2014.5
Sequoia	2005-2012
Sequoia (w/o nav)	2013
Sienna	2004-2014
Tacoma	2005-2013
Tundra	2006-2013
Tundra (Double Cab)	2004-2005
Venza (w/ SD card based nav)	2013-2014
Venza	2009-2012

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

† *Steering wheel controls cannot be retained in this application.*

‡ *The AXSWC/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 AXADBXH-TY1 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 AXSWC/AUX-IN harness to the aftermarket radio:

- This harness is to be used along with the optional AXSWC (not included) to retain steering wheel audio controls. If the AXSWC is not being used, disregard this harness, unless AUX-IN is desired to be retained. If it will be used, please refer to the AXSWC instructions for radio connections and programming. Disregard the harness that comes with the AXSWC.

  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 AXSWC.
- If retaining the factory AUX-IN jack, connect the **Red** & **White** RCA jacks to the AUX input.

INSTALLING & PROGRAMMING THE AXADBXH-TY1

Attention! The AXADBXH-TY1 will work with both the AXADBX-1 and AXADBX-2 interfaces, but programming will be different. Refer to the proper page for whichever interface is being used. Also note, the programming instructions for the AXADBX-2 reflect gen. 2. If installing a gen. 1 AXADBX-2, refer to the AXADBX-1 programming instructions. Gen. 2 interfaces can be distinguished by a blue reset button between the (2) connectors.

AXADBX-1

Installing the AXADBXH-TY1

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AXADBXH-TY1 harness, into the interface.
- Connect the AXADBXH-TY1 harness to the wiring harness in the vehicle.

  Note: Not applicable for the Toyota Avalon 2005-2010.
- If an AXSWC (sold separately) will be used, do not connect it until the AXADBXH-TY1 is programmed and fully functional.

Programming the AXADBXH-TY1

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 not 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 AXADBXH-TY1

INSTALLING & PROGRAMMING THE AXADBXH-TY1

Attention! The AXADBXH-TY1 will work with both the AXADBX-1 and AXADBX-2 interfaces, but programming will be different. Refer to the proper page for whichever interface is being used. Also note, the programming instructions for the AXADBX-2 reflect gen. 2. If installing a gen. 1 AXADBX-2, refer to the AXADBX-1 programming instructions. Gen. 2 interfaces can be distinguished by a blue reset button between the (2) connectors.

AXADBX-2

Installing the AXADBXH-TY1

With the key in the off position:

- Connect the 16-pin harness with stripped leads, and the AXADBXH-TY1 harness, into the interface.
- Connect the AXSWC/AUX-IN harness to the wiring harness in the vehicle.

  Note: Not applicable for the Toyota Avalon 2005-2010.
- If an AXSWC (sold separately) will be used, do not connect it until the AXADBXH-TY1 is programmed and fully functional.

Attention! Do not connect the AXADBXH-TY1 harness to the wiring harness in the vehicle just yet.

Programming the AXADBXH-TY1

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 AXADBXH-TY1 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 AXADBXH-TY1 Interface” from this point.

Continue to Adjusting the AXADBXH-TY1

ADJUSTING THE AXADBXH-TY1

Audio level adjustment:

- 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.

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.

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