

Axxess Steering Wheel Control interface

Toyota/Lexus **Select vehicles 1999-2009**

INTERFACE FEATURES

- One Interface does it all - No additional interfaces needed
- Automatically programs the audio buttons on the steering wheel
- Auto detects what radio it's connected to
- Works with most major radio brands
- Micro-B USB updatable
- All connections are made behind the radio
- Non-volatile memory retains settings even if the battery is disconnected or the interface is removed from the vehicle

INTERFACE COMPONENTS

- ASWC-TOY-LEX interface
- ASWC-TOY-LEX harness
- Female 3.5mm connector with Brown and Brown/White wires

APPLICATIONS

TOYOTA		LEXUS	
Avalon	2003-2004	GS300 / GS430	2001-2005
Prius	2001-2003	LX470	2001-2002
Sienna	1999-2003	SC430	2002-2009

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TOOLS REQUIRED

- Cutting tool • Crimping tool • Tape
- Connectors (example: butt-connectors, bell caps, etc.)

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.

CONNECTIONS TO BE MADE

Into the vehicle

With the key in the off position:

1. Connect the **Black** wire of the ASWC-TOY-LEX to ground.
2. Connect the (2) **Red** wires of the ASWC-TOY-LEX to accessory power.
3. For all vehicles **EXCEPT** the Lexus SC430, connect **ONLY** the 12-pin connector to the mating connector in the vehicle. The 6-pin connector on the ASWC-TOY-LEX harness **WILL NOT** be used in the application.
4. For the 2002-2005 Lexus SC430, connect **ONLY** the 6-pin connector to the mating connector in the vehicle. The 12-pin connector on the ASWC-TOY-LEX harness **WILL NOT** be used in the application.
Note: *Disregard the 12-pin connector in the vehicle.*
5. For the 2006-2009 Lexus SC430, connect **BOTH** the 6-pin and 12-pin connectors to the mating connectors in the vehicle.

To the radio

1. For the radios below, connect the included female 3.5mm connector with the **Brown** and **Brown/White** wires into the male 3.5mm connector of the ASWC-TOY-LEX harness.
 - **For Eclipse radios:** Connect the Eclipse steering wheel control wires (normally **Brown** and **Brown/Black**) to the **Brown** and **Brown/White** wires of the ASWC-TOY-LEX. **Brown** of the ASWC-TOY-LEX goes to the **Brown/Black** of the Eclipse and **Brown/White** of the ASWC-TOY-LEX goes to the **Brown** of the Eclipse.
- **For Metra OE:** Connect the SWC Key 1 wire (**Gray**) to the **Brown** wire of the ASWC-TOY-LEX. Isolate and tape the **Brown/White** wire, it will not be used.
- **For Kenwood or select JVC's** with a **Blue/Yellow** steering wheel control wire: Connect the Kenwood/JVC steering wheel control wire to the **Brown** wire of the ASWC-TOY-LEX. Isolate and tape the **Brown/White** wire, it will not be used.
Note: *Some of the newer Kenwood radios will auto detect as a JVC. If this is the case, use a 12k ohm resistor in line between the **Blue/Yellow** and **Brown** wire of the female 3.5mm jack during programming only (remove resistor once programmed).*
2. **For Parrot Asteroid Smart or Tablet:** Connect the ASWC-TOY-LEX male 3.5mm jack into the AX-SWC-PARROT (sold separately) female 3.5mm jack and plug the 4-pin end into the corresponding SWC plug on the radio.
Note: *AX-SWC-PARROT required (sold separately) and radio **MUST BE** updated to rev 2.1.4 or higher.*
3. **For XITE radios:** Connect the steering wheel control SWC-2 wire from the radio to the **Brown** wire of the ASWC-TOY-LEX.
4. **For all other radios:** Connect the 3.5mm jack of the ASWC-TOY-LEX into the jack on the aftermarket radio designated for an external steering wheel control interface. Please refer to the aftermarket radios manual if in doubt as to where the 3.5mm jack goes into.

PROGRAMMING

The ASWC-TOY-LEX will auto program itself through Auto Detect Mode.

1. Turn the ignition on and wait until the L.E.D. in the ASWC-TOY-LEX lights up solid (about twenty seconds).

Note: Do not press any buttons on the steering wheel or radio during this time.

2. Once solid, cycle the key off, then back on.

Note: The ASWC-TOY-LEX will give you two sets of L.E.D. feedback reports. The first set of flashing green L.E.D. lights is for knowing the vehicle type and the second set of red flashing L.E.D. lights is for knowing the radio type. Knowing the vehicle type is irrelevant as this interface is pre-programmed for vehicles in the application list only. But knowing the radio type is important for troubleshooting if the ASWC-TOY-LEX does not work. Please see the below Radio Legend for L.E.D. feedback information for radio type.

RADIO LEGEND

1st L.E.D. flash is for Eclipse (type 1)

2nd L.E.D. flash is for Kenwood

3rd L.E.D. flash is for Clarion (type 1)

4th L.E.D. flash is for Sony and Dual

5th L.E.D. flash is for JVC

6th L.E.D. flash is for Pioneer & Jensen

7th L.E.D. flash is for Alpine*

8th L.E.D. flash is for Visteon

9th L.E.D. flash is for Valor

10th L.E.D. flash is for Clarion (type 2)

11th L.E.D. flash is for Metra OE

12th L.E.D. flash is for Eclipse (type 2)

13th L.E.D. flash is for LG

14th L.E.D. flash is for PARROT**

15th L.E.D. flash is for XITE

16th L.E.D. flash for Phillips

17th L.E.D. flash TBD

18th L.E.D. flash for JBL

***Note:** If the ASWC-1 flashes 7 times and you do not have an Alpine radio connected to it that means that the ASWC-1 did not see any radio connected. Verify the 3.5mm connector is connected to the steering wheel control input into the radio.

****Note:** The AX-SWC-PARROT is required (sold separately). The radio must be updated to rev. 2.1.4 or higher and ASWC-1 must be updated to the latest firmware.

TROUBLESHOOTING

1. Confirm that the 3.5mm connector is connected to your radio securely and in the correct location.
2. If using the female 3.5mm connector in Eclipse, Kenwood, select JVC, or Metra OE radios, verify that the radio's steering wheel control wire is connected to the correct wire to the ASWC-TOY-LEX.

Note: Not every radio will have all the possible SWC commands on the steering wheel. Please refer to the radio owner's manual or contact the radio vendor for specific commands that the radio will recognize.

EXTRA FEATURES

The Axxess Updater App must be used to program the following:

Changing radio type

If the L.E.D. flashes do not match the radio you have connected, you must manually program the ASWC-TOY-LEX to tell it what radio it is connected to.

Remapping the steering wheel control buttons

If you have ASWC-TOY-LEX programmed and you want to change the button assignment for the steering wheel controls.

Note: *Volume Up and Volume Down cannot be remapped.*

RESETTING THE ASWC-TOY-LEX

1. Turn the ignition on, and wait three seconds.
2. Press the reset button for three seconds, then let go.
3. Once flashing fast, wait until the L.E.D. in the ASWC-TOY-LEX lights up solid (about twenty seconds).

Note: • *Do not press any buttons on the steering wheel or radio during this time.*

• *If the ASWC-TOY-LEX does not flash fast the Reset button was not depressed properly.*

4. Once solid, the ASWC-TOY-LEX is reset and should be working with default settings.