

Thank you for purchasing the Beat-Sonic MVX-140L [Audio Interface Adapter Kit](#). You have purchased from Japan's leading supplier of car audio interface adapters and accessories. Designed and made in Japan, this product represents our commitment to quality and excellence. Please read this manual carefully prior to installing this product to ensure correct operation.

Compatible Vehicles	OEM Nav	Year	Chassis Code
Lexus IS 350/250	Yes	2006 - 2009	GSE20/21/25
Lexus IS F	Yes	2008 - 2009	USE20

* Automatic transmission models only.

■Features

- Allows installation of a double-DIN (178mm x 100mm) head unit to replace OEM head unit.
- Retains full function of OEM navigation, backup camera, touch screen and climate control systems.
- Compatible with both Mark Levinson sound systems and Lexus Premium sound systems.
- Plug and play adapter with no modifications required to factory vehicle electrical harness.
- Provides steering wheel audio controls to new head unit.*
- Provides video input to OEM screen for dual simultaneous video display.**

* Head unit must support steering wheel control input. Additional steering wheel control adapter may be required.

** In-Motion Controller TVK-32 (sold separately) required to view video on OEM screen while vehicle is moving.

■Important

- This installation kit is designed for automatic transmission models only. The fascia panel garnish will not suit the manual transmission center console.
- Front/rear fader control & DSP functions from the aftermarket head unit are not supported. Fader & DSP are adjustable via the factory amplifier (see Appendix B).
- Center console AUX input and Radio Data Service (RDS) will no longer function after removing the OEM head unit.
- This product is not compatible with connector type (20-pin) steering wheel control adapters. Please use wired type only.
- This product will not rectify any pre-existing faults with the electrical system, factory amplifier and/or speakers.
- This product should be installed by an experienced motor vehicle technician or automotive electrical professional.
- The user assumes all responsibility for any damages and/or injuries caused as a result of improper installation.

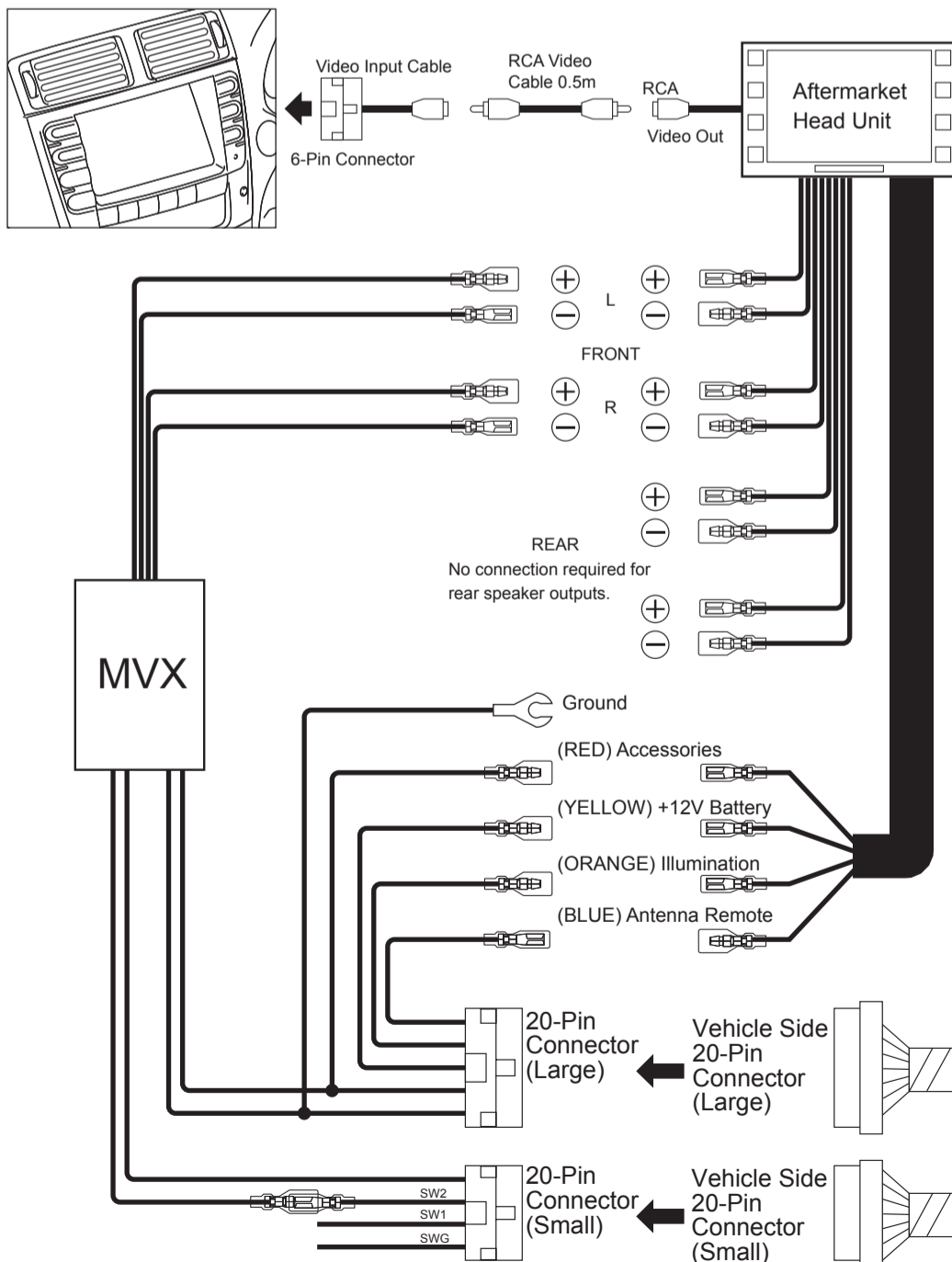
■Precautions

- Perform installation with patience and due care to prevent damage to this product or any part of the vehicle.
- Ensure all connectors, cables and terminals are correctly secured and fully inserted. Loose and/or improperly secured connectors will cause malfunction.
- Always grasp the connector plug when disconnecting the cable harness. Never disconnect connectors by pulling on the harness wires as serious damage can occur.
- Do not attempt to install this product on any other vehicle other than the specified models.
- Do not disassemble, modify or attempt to repair this device.
- Beat-Sonic and its affiliates shall not be held responsible for any consequence, either directly or otherwise, as a result of installing and/or using this product.
- Disconnect negative terminal of the vehicle battery prior to installation to prevent risk of short circuit.

■Contents

- Interface Adapter Module and Harness x 1
- 2-DIN Fascia Garnish (Left & Right) x 1 set
- Mounting Brackets (Left & Right) x 1 set
- Video Input Cable x 1
- RCA Video Cable 0.5m x 1
- M4 Nuts x 8
- Adhesive Padding Tape x 2
- Instruction Manual x 1

Connection Diagram



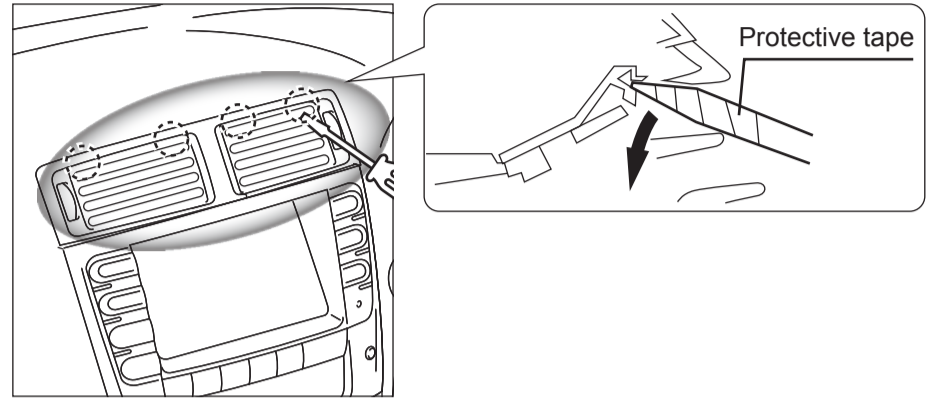
* See Appendix A. for steering wheel audio controls.

Installation

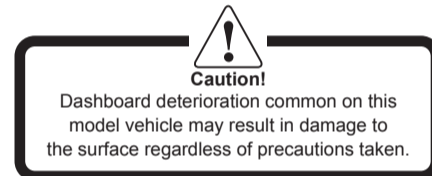
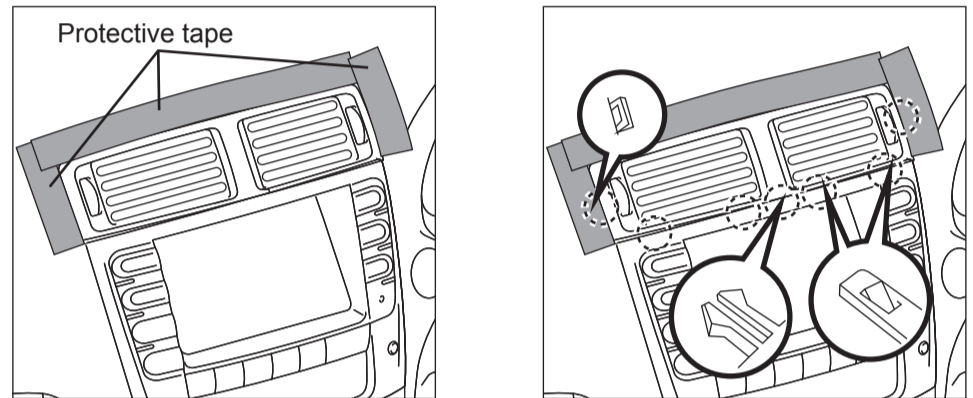
1. Remove the Multi-Display with Radio Receiver Assembly

Disconnect the negative terminal of the vehicle battery and wait at least 90 seconds before proceeding to prevent accidental airbag deployment.

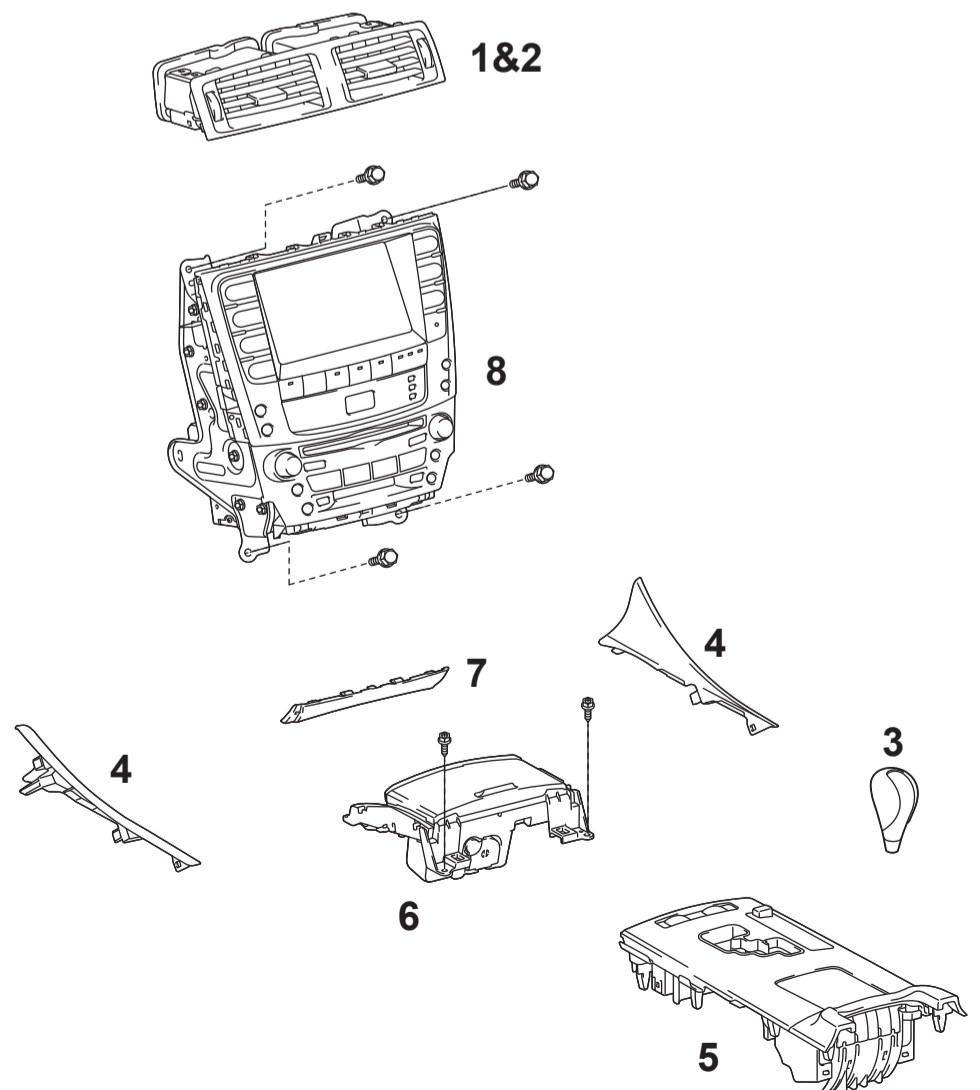
- 1.1 Remove the center vent assembly by first carefully releasing the upper 4 internal vent claws using a small flat blade screwdriver. Wrap the end of the screwdriver with protective tape to prevent scratching the surface.



- 1.2 Apply low tack painters tape around the edges of the vent assembly. Use a molding removal tool to disengage the right side claw then disengage the remaining 3 claws by pulling out the vent by hand. Do not use tool or attempt to pry the bottom section of the vent where it joins the multi-display.

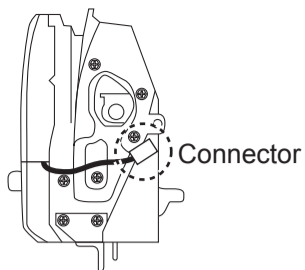


- 1.3 Remove the shift lever knob by unscrewing counter-clockwise.
- 1.4 Remove the console garnish trims by first releasing the endmost clip then pulling away from the radio receiver.
- 1.5 Remove the console panel sub-assembly by pulling up to release the 8 clips.
- 1.6 Remove the 2 screws that hold the ashtray and remove.
- 1.7 Unclip and remove the radio lower finisher panel. This panel and garnish trims are not used for re-assembly with 2-DIN head unit.
- 1.8 Remove the 4 bolts that secure the multi-display unit. Disconnect all connectors to remove completely.

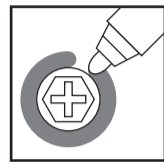
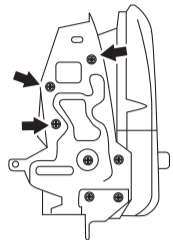


2. Install the Double DIN Head Unit.

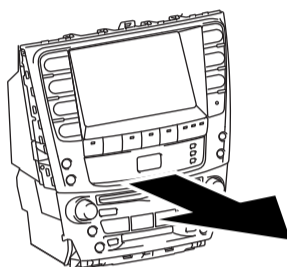
2.1 Disengage the connector from the right side bracket.



2.2 Use a marker pen to mark the positions of the upper 3 fasteners on both sides of the brackets before unscrewing and removing. This is important to ensure correct alignment when reassembling.



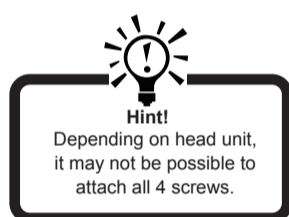
2.3 With both brackets removed, hold the radio receiver stationary and slide the multi-display forward in the direction of the arrow as shown below to separate.



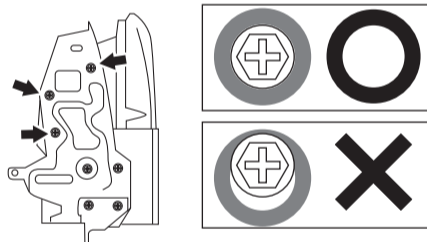
2.3 Attach the supplied mounting brackets to the 2-DIN aftermarket head unit using the screws that came supplied with the head unit. Take care to install the left (marked "140L") and right (marked "140R") brackets accordingly. Apply the supplied adhesive padding tape to both sides as shown below.



Adhesive Padding Tape



2.4 Re-attach one of the OEM brackets to one side of the multi-display and align the fasteners with the previously marked positions. Attach the 2-DIN aftermarket head unit to the bracket and lightly secure using the fasteners. Do not fully tighten the fasteners yet as adjustment may be necessary. Repeat for the other side so that both OEM brackets are attached.

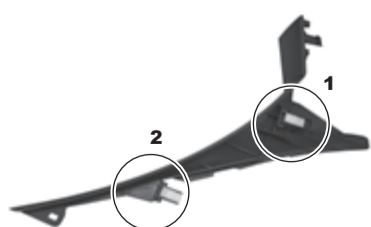
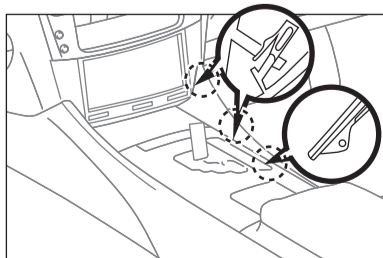


2.5 Align the 2-DIN aftermarket head unit so that it is exactly centered with respect to the multi-display. Use a ruler to measure the distance from the outside edge of the multi-display to the side of the 2-DIN aftermarket head unit. The distance on both sides must be exactly the same. Tighten the fasteners on either side then recheck to confirm alignment and adjust if necessary.



3. Re-Install the Multi-Display with 2-DIN Head Unit

- 3.1 Connect the video input cable into the connector behind the multi-display. Connect the video output of the 2-DIN aftermarket head unit to the RCA socket of this cable.
- 3.2 Connect the MVX-140L adapter harness and all multi-display connectors. Refer to Appendix A. for connection of steering wheel audio controls.
- 3.3 Re-install the multi-display assembly taking care not to crush or kink the wiring behind. Secure using the 4 mounting fasteners.
- 3.4 Confirm operation of new head unit, steering wheel controls and all EMV functions including factory navigation, air-con, heater, backup camera, aux video input, illumination, hazard switch etc.
- 3.5 Re-install the ashtray and console sub panel assembly.
- 3.6 Insert fascia garnish trim on either side of the 2-DIN aftermarket head unit and sub panel assembly. Start by locating clip 1 then clip 2 as shown below.

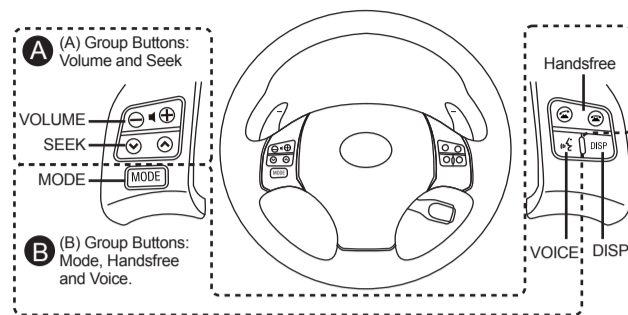


3.7 Re-install the upper vent to complete the installation.

Appendix A.

Steering Wheel Audio Controls

The MVX-140L provides the necessary wires to connect the OEM steering wheel audio control buttons to the aftermarket head unit. Please note however, that depending on the aftermarket head unit, a steering wheel control interface (available separately) may be required.



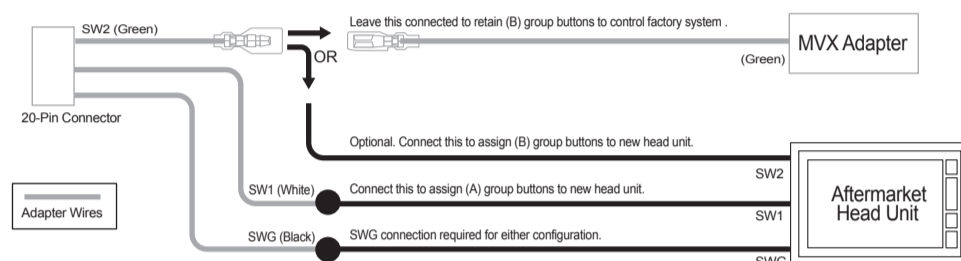
The MVX-140L provides two options for connecting the steering wheel audio controls:

- Recommended Configuration:

Group **A** buttons **VOLUME** and **SEEK** connected to the aftermarket head unit while retaining the Group **B** buttons to the OEM system. In this configuration, **MODE** button selects video input and OEM handsfree is retained.

- Optional Configuration:

Both Group **A** and Group **B** buttons connected to the new head unit. In this configuration **MODE** button will not select video input and OEM handsfree is not retained.



Recommended Configuration

1. Connect SWG (Pin-6 Black) to the SWG input on the aftermarket head unit.
2. Connect SW1 (Pin-7 White) to the SW1 input on the aftermarket head unit.
3. No connection required on the SW2 input of the aftermarket head unit. Leave SW2 green wire connected to the MVX adapter.

Optional Configuration

SW2 (Pin-8 Green) can be disconnected and re-routed to the SW2 input on the aftermarket head unit. In this configuration, all steering wheel **A** group and **B** group buttons will control the aftermarket head unit. **MODE** and **VOICE** buttons will no longer operate the OEM screen. Handsfree button will no longer operate the OEM in-car handsfree system.

Appendix B.

Selecting AUX Video Input

The steering wheel **MODE** button will activate the AUX video input to the OEM screen provided the steering wheel controls are connected in the Recommended Configuration (i.e. SW2 is connected to the MVX Adapter).

AUX Video input can also be selected on OEM navigation screen by first pressing the **AUDIO** button then selecting the **PICTURE** icon. Press **OK** if the "DVD Hint!" screen appears.

Sound and DSP Settings

Sound and DSP settings are controlled via the factory amplifier. Ensure the aftermarket head unit balance and fader are set to neutral before making adjustments on the amplifier.

Press the **AUDIO** button then select **SOUND** or **DSP** as required.

