Land Rover Range Rover Vogue (with M.O.S.T. 25 amplifier) Data Interface with SWC 2006–2012*

* Facelift models, with touchscreen

INTERFACE FEATURES

- Provides accessory power
- Designed for amplified models
- Provides NAV outputs (parking brake, reverse, speed sense)
- Retains audio controls on the steering wheel
- Micro “B” USB updatable

INTERFACE COMPONENTS

- AX-LR90082 interface
- AX-LR90082 amplifier interface
- ASWC-1 interface
- AX-LR90082 harness
- ASWC-1 harness
- M.O.S.T. jumper harness
- Female 3.5mm connector with stripped leads

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TOOLS REQUIRED

- Wire cutter • Crimp tool • Solder gun • 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

From the aftermarket radio to the AX-LR90082 harness:
• Connect the **Black** wire to the ground wire.
• Connect the **Yellow** wire to the battery wire.
• Connect the **Red** wire to the accessory wire.
• If the aftermarket radio has an illumination wire, connect the **Orange** wire to it.
• Connect the **Blue** wire to the power antenna turn-on wire.

The following (3) wires are only for multimedia/navigation radios that require these wires.
• Connect the **Blue/Pink** wire to the VSS/speed sense wire.
• Connect the **Green/Purple** wire to the reverse wire.
• Connect the **Light Green** wire to the parking brake wire.
• Connect the **Red** and **White** RCA jacks to the front amplifier output jacks of the aftermarket radio.

From the aftermarket radio to the ASWC-1 harness:
This harness is only to be used if the vehicle is equipped with steering wheel controls.
• Connect the **Red** wire to the accessory wire.
• Connect the 3.5mm jack to the **Brown** wire of the connector. Then connect the remaining steering wheel control wire, referred to as Key-A or SWC-1, to the **Brown/White** wire of the connector.

The following (3) wires are only for multimedia/navigation radios that require these wires.
• Connect the steering wheel control wire, normally **Brown**, to the **Brown/White** wire of the connector. Then connect the remaining steering wheel control wire, normally **Brown/White**, to the **Brown** wire of the connector.
• Connect the steering wheel control Key 1 wire (Gray) to the **Brown** wire.
• Connect the steering wheel control SWC-2 wire from the radio to the **Brown** wire.
• Connect the steering wheel control wire, normally **Brown/White**, to the **Brown** wire.
• Connect the 3.5mm jack into the AX-SWC-PARROT (sold separately), and then connect the 4-pin connector from the AX-SWC-PARROT into the radio.

**Note:** The radio must be updated to rev. 2.1.4 or higher software.
• Connect the steering wheel control wire, referred to as Key-B or SWC-2, to the **Brown** wire of the connector. If the radio comes with a third wire for ground, disregard this wire.

**Note:** After the interface has been programmed to the vehicle, refer to the manual provided with the radio for assigning the SWC buttons. Contact the radio manufacturer for more information.

For all other radios:
Connect the 3.5mm jack from the ASWC-1 harness, 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 to.
With the key in the off position:

- Connect the AX-LR90082 harness to the AX-LR90082 interface.
- Connect the AX-LR90082 harness to the AX-LR90082 amplifier interface.
- Remove the dust cover from fiber optic port in the AX-LR90082 amplifier interface.
- Connect the factory fiber optic cable into the AX-LR90082 amplifier interface. *
- Connect the AX-LR90082 harness to the wiring harness in the vehicle. *
- Connect the ASWC-1 harness to the ASWC-1 interface, and then to the AX-LR90082 interface.
- Connect the M.O.S.T. jumper harness to the factory fiber optic cable from the display screen.
- Press and hold the Volume-Up button on the steering wheel.
- Turn the ignition on, the L.E.D. in the ASWC-1 interface will start flashing rapidly, which means the ASWC-1 is looking for the vehicle and the radio.

**Note:** If the L.E.D. did not start flashing rapidly, press the reset button for 3 seconds, while still holding the Volume-Up button.

- After a few seconds the L.E.D. should stop flashing rapidly, and then go out for approximately 2 seconds.
- After approximately 2 seconds there will be a series of 7 Green flashes, some short, and some long. The long flashes represent the wires that are connected to the ASWC-1. The 3rd, 4th, 5th, and 6th flashes should be longer.

**Tip:** Knowing this will help to troubleshoot, if need be.

- The L.E.D. will pause for another 2 seconds, and then flash Red up to 18 times depending on which radio is connected to the ASWC-1. Refer to the L.E.D. feedback section for information.
- This is the end of the auto detection stage. Release from holding the Volume-Up button.
- Test the steering wheel controls for proper operation. Refer to the ASWC-1 instructions online at axxessinterfaces.com for customizing the buttons, if so desired.

**L.E.D. feedback**

The (18) Red L.E.D. flashes represent which brand radio the ASWC-1 is connected to. Each flash represents a different radio manufacturer. For example, if you are installing a JVC radio, the ASWC-1 will flash Red (5) times, and then stop. Following is a legend that dictates which radio Manufacturer corresponds to which flash.

**L.E.D. feedback legend**

<table>
<thead>
<tr>
<th>Flash Count</th>
<th>Radio Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 flash</td>
<td>Eclipse (Type 1)</td>
</tr>
<tr>
<td>2 flashes</td>
<td>Kenwood</td>
</tr>
<tr>
<td>3 flashes</td>
<td>Clarion (Type 1)</td>
</tr>
<tr>
<td>4 flashes</td>
<td>Sony / Dual</td>
</tr>
<tr>
<td>5 flashes</td>
<td>JVC</td>
</tr>
<tr>
<td>6 flashes</td>
<td>Pioneer / Jensen</td>
</tr>
<tr>
<td>7 flashes</td>
<td>Alpine</td>
</tr>
<tr>
<td>8 flashes</td>
<td>Visteon</td>
</tr>
<tr>
<td>9 flashes</td>
<td>Valor</td>
</tr>
<tr>
<td>10 flashes</td>
<td>Clarion (Type 2)</td>
</tr>
<tr>
<td>11 flashes</td>
<td>Metra OE</td>
</tr>
<tr>
<td>12 flashes</td>
<td>Eclipse (Type 2)</td>
</tr>
<tr>
<td>13 flashes</td>
<td>LG</td>
</tr>
<tr>
<td>14 flashes</td>
<td>Parrot</td>
</tr>
<tr>
<td>15 flashes</td>
<td>XITE</td>
</tr>
<tr>
<td>16 flashes</td>
<td>Philips</td>
</tr>
<tr>
<td>17 flashes</td>
<td>TBD</td>
</tr>
<tr>
<td>18 flashes</td>
<td>JBL</td>
</tr>
</tbody>
</table>

* **Note:** If the ASWC-1 flashes Red (7) times, and you do not have an Alpine radio connected to it, that means the ASWC-1 does not detect a radio connected it. Verify that the 3.5mm jack is connected to the correct steering wheel jack/wire in the radio.

**Note:** The AX-SWC-PARROT is required (sold separately). Also, the Parrot radio must be updated to rev. 2.1.4 or higher through www.parrot.com.

† **Note:** If you have a Clarion radio and the steering wheel controls do not work, change the radio type to the other Clarion radio type; same for Eclipse. Refer to the “Programming Information” document online.

‡ **Note:** If you have a Kenwood radio and the L.E.D. feedback comes back as showing as a JVC radio, change the radio type to a Kenwood. Refer to the “Programming Information” document online.
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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