EMERALD INTEGRATIONS

Model: AUDI-MMI

OEM Integrated Interface Module
Audi MMI / EXT MMI

EXTERNAL MMI

Warning / Caution

Warning

- When installing the main unit, do not remove or alter existing vehicle fasteners, including nuts, bolts, screw, clips, and fittings. Never detach, move or alter existing vehicle wiring, including electrical grounds and straps. Alteration of existing vehicle components may make vehicle unsafe to operate. Should be no any electronic devices or magnetic pole around installation place.
- Air bags are vital part of a safety system. Never install main unit in a way which will alter air bag wiring or interfere with air bag deployment. Air bags must function properly in the event of an accident.
- Before installing, check the location of pipe, tank, electrical cables and others.
- Read and follow the instruction manual.
- Wiring location must not interfere driving, get in or out from car.
- Use electrical tape to insulate the ends of all wires, even if they are not used. Proper insulation prevents arcs, shocks and fires.
- When installation is complete, test all vehicle electrical systems to ensure they operate correctly, including lights, horn, brake lights, and emergency flashers.
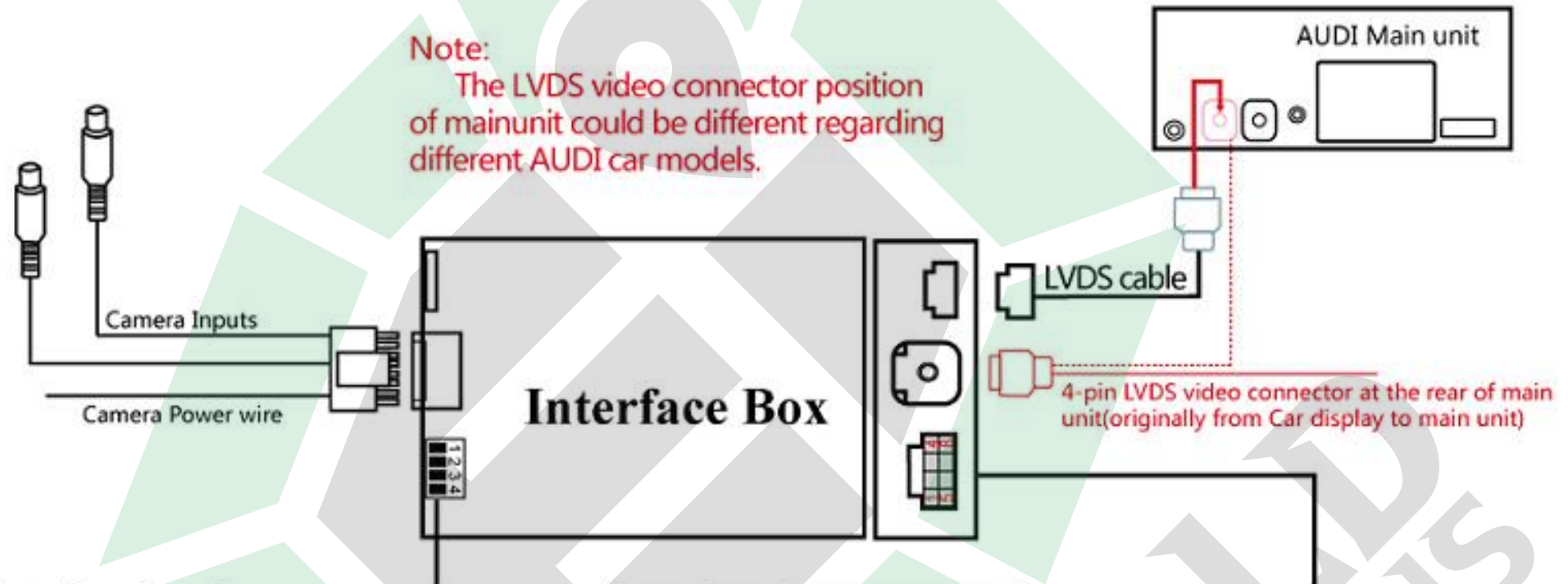- According to our sales policy, any problems caused by user's mistake, careless can not be guaranteed.

Caution

- All steps of installation should be done by well-trained specialist.
- During installation ignition key should be taken off and after all installation finish connect power cable with interface for the last step.
- Do not install the main unit in places where it ma be exposed to dew condensation (around the air conditioning hose, etc), or in locations where it may come in contact with water, high levels of moisture, dust or oily smoke
- Install wiring in a manner in which cables will not come in contact with metal parts. The wiring may be damaged by contact with metal parts, resulting in fire and shocks. Avoid all contact with hot surfaces when wiring the main unit. High temperatures may damage wiring, causing shorts, arcing and fires.
- Kindly check all parts are in the box, when receiving the product, if anything missing, inform to the supplier or manufacturer.

AUDI 3G 4G MMI Rearview Camera Interface Installation

Note:
The LVDS video connector position
of mainunit could be different regarding
different AUDI car models.

AUDI Main unit

Camera Inputs

Camera Power wire

Interface Box

LVDS cable

4-pin LVDS video connector at the rear of main unit(originally from Car display to main unit)

SW1	SW2	SW3	Car model
OFF	OFF	OFF	A6L A7 A8 2012 and onwards
ON	OFF	OFF	Q3/A1
OFF	ON	OFF	Standard Q3
ON	ON	OFF	A4(B8)/A5/Q5
OFF	OFF	ON	RS5
ON	OFF	ON	2011 A6/ 2012 Q7
OFF	ON	ON	2012-2015 Touareg RNS850
ON	ON	ON	2013-2014 Q7

DIP	Setting	Resolution
SW4	OFF	800*480
	ON	400*240

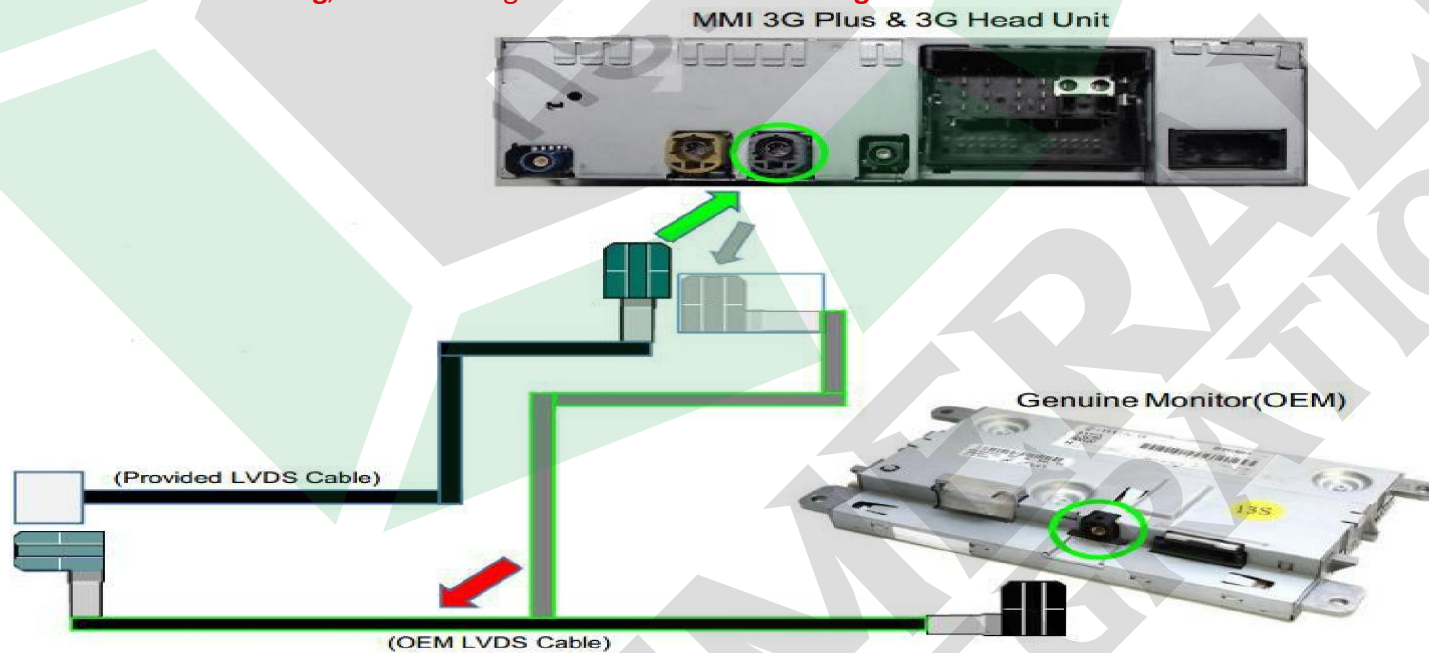| 1	GND	GND
2	CAN-L	Connect to CAN-L
3	CAN-H	Connect to CAN-H
4	ACC	Conntect to power

Caution: Professional installation is always recommended when integrating a module to an OEM system.

LVDS Connection:

1. Remove the OEM head unit, trim removing tools needed to safely remove (Not provided). You DO NOT need to remove the entire monitor for this installation.

2. Disconnect the original LVDS cable from the head unit and connect it to the interface.

3. Connect the supplied LVDS cable back into the head unit and connect the other end into the interface.

Caution: If the RED LED is blinking, it's indicating that the device is working with the CANBUS communication correctly.
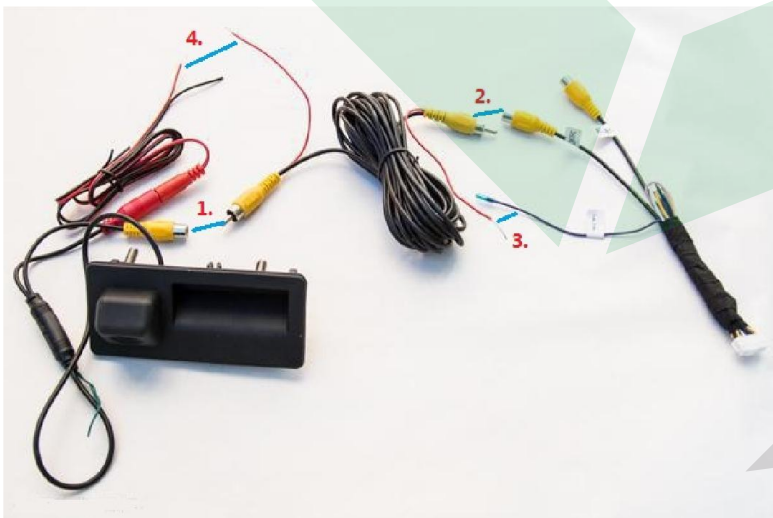
CANBUS & ACC Connections:

(RED LED light **blinking indicates that the device is working with CANBUS communication correctly.**

4. Connect CAN-bus/Power harness into our interface unit.

a. Take out the Climate (Air condition) controller and find corresponding CANBUS connector at rear of it as per Picture A below.
b. Disconnect this connector and connect it to the interface CANBUS connector.
c. Connect the other end of the interface CANBUS connector as shown below (Plug & Play)
d. Plug all the cables and test the system before routing the wires.
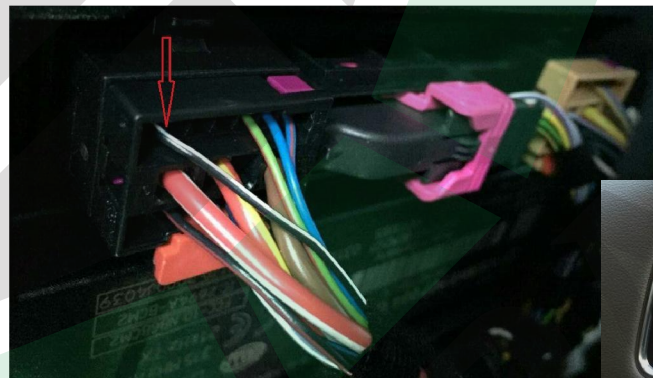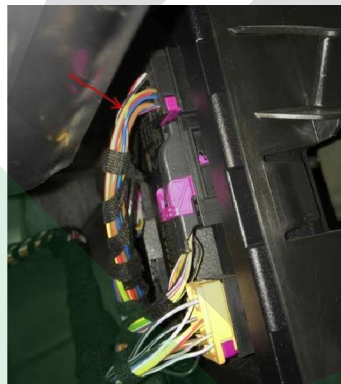

Camera Connection:

5. Remove the trunk liner to access the OEM tailgate latch.

6. Replace the trunk handle with our handle camera. For camera power, use an ignition or ACC source that's a constant 12V source.

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7. At the trunk: Connect RCA trunk handle camera cable and DC red wires together.

8. Run the extension Camera Video/Power cable to the glove box.

9. Connect the cameras RCA to the corresponding input on the interface.

10. If you cannot locate an ignition or accessory source in the rear, you can connect the cameras RCA RED lead to the PURPLE power lead from the interface.

11. Connect the RCA cables.

12. Manual Transmission Only: Connect the WHITE trigger wire (on camera inputs cable) to the reverse signal light (black/white strip) in the trunk on right side (or left for Australian cars). Installation is now complete.

13. Test it, Enjoy and Drive Safe!

DIP Switch Settings:

(Interface support 2 Video inputs, one for Rear view camera as a standard setup, another for front view input optionally.)

DIP1	DIP2	DIP3	Car Model	Note	CANBUS position
OFF	OFF	OFF	2012-2015 A6L(C7),A7,A8	CAN(500)	Radar module & Climate controller
ON	OFF	OFF	A1,Q3	CAN(500)	Gateway & Lighting module
OFF	ON	OFF	standard Q3	CAN(500)	Gateway
ON	ON	OFF	2009-2015 A4(B8),A5,Q5	CAN(100)	Gateway
OFF	OFF	ON	RS 5	CAN(100)	Gateway
ON	OFF	ON	2011 A6，2012 Q7	CAN(100)	Climate controller
OFF	ON	ON	2012-2015 RNS-850	CAN(500)	Radar module
ON	ON	ON	2013-2014 Q7	CAN(500)	Radar module

DIP4   Resolution

OFF	400*240
ON	800*480

1. Our interface system support a Front Camera as well (Sold Seperately)

2. Front camera will trigger automatically when switching from R into P or D and will timeout after 10 seconds before OEM display shows again.

3. The Purple Wire is only used for camera POWER to CAM 12V' .

4. The white wire with 'Reverse TRIG ' is for Manual Transmission vehicles and needs to connect to a reverse light to trigger the interface.

5. The other wires you see with 'ACC +12V//POWER GND//Constant 12V' are for Power Outputs for External video sources such as a DVR input. **DON'T** connect Power 12V to 'ACC

+12V//Constant 12V' in case of damaging interface unit.

Customer Service

At Emerald we want to make sure that you are completely satisfied, therefore we have assembled qualified associates to assist you. Our normal operating hours are Monday - Thursday 9:00 AM - 5:00 PM and Friday 9:00 AM - 4:00 PM (Pacific Standard Time).

Call us Toll Free: 844-333-3903

Email us: support@emeraldintegrations.com

Returns

30-Day Money-Back Guarantee

At Emerald Integrations, we want to make sure that you are completely satisfied. If for some reason you aren't happy with an item on your order and want to return it, we make returns and refunds extremely simple.

Any complete, like-new item returned within 30-days can be returned for a full refund less the original cost of shipping. All items or packages shipped free of charge will be subject to a $15.00 shipping fee. If returned items are not in like-new condition, then Emerald Integrations may refuse a return or charge a restocking fee of 10% - 20%. Items not in like-new condition include, but are not limited to: items missing original item packaging, opened software or media items, used items, installed items, abused or physically damaged items, items missing parts, items damaged due to improper return shipping, items with a different serial number or defaced serial number, pre-cut wire, made-to-order items and special order items. All returns must be shipped back in a shipping carton, items cannot be shipped back in product boxes. Should you have any questions about our return procedure, please don't hesitate to contact us.

Return Disclaimer

Any unauthorized, improperly packaged, or non-insured packages will be returned to sender. Items that show signs of wear or have been, scratched, altered, or damaged in any way cannot be accepted for return

Warranty

Emerald Integrations understands that there are minor chances that electronics can fail and defects happen, in the event that this occurs, Emerald Integrations is here to help you quickly resolve your defect for a full year of 1-Year Warranty Coverage. Unlike others who push you to a manufacturer service center that can be slow and unresponsive, we're here to help with the repair or replacement you need. To begin the process, follow the instructions on the returns page at www.emeraldintegrations.com/returns.

The terms of the warranty are subject to the specific manufacturer and all expressed and implied war-ranties are provided solely by the manufacturer. Every item approved for a warranty claim is inspected by our team of qualified experts and professionally tested.

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