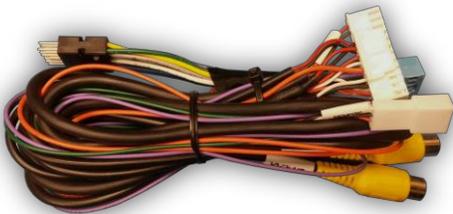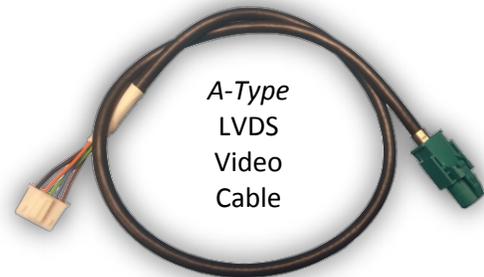# 9002-2770 Audi A3/
Golf Camera Interface

The AUDI DYNAMIC-A3 Kit interfaces a backup camera input (with active parking lines) and 1 additional video input (front cam, etc) to the factory media screen in the 2014+ Audi A3 or VW Golf 7. Installation is performed behind the MMI (inside glove box).

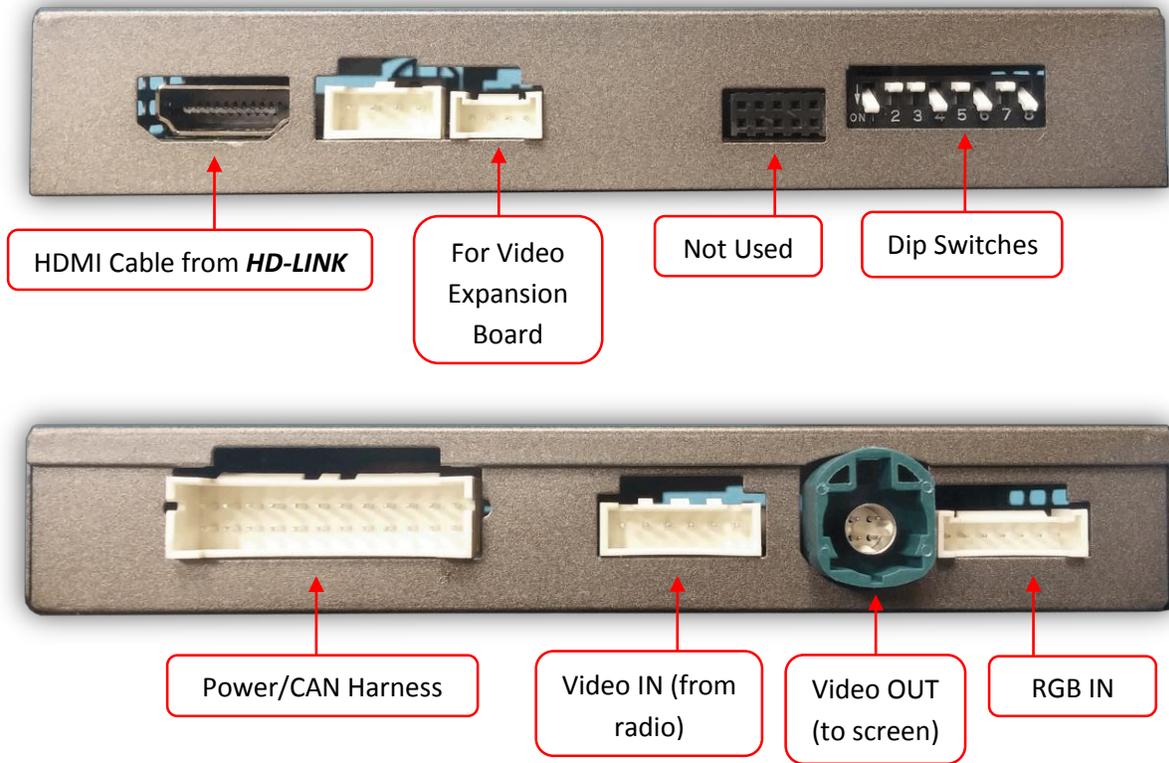## Kit Contents

Power/CAN Harness

A-Type LVDS Video Cable

Infrared Receiver

OSD Menu Remote

Interface Connectors

HDMI Cable from **HD-LINK**

For Video Expansion Board

Not Used

Dip Switches

Power/CAN Harness

Video IN (from radio)

Video OUT (to screen)

RGB IN

Dip Switch Settings

	---	AUX VID 1	AUX VID 2	RVC	TRANS*	iNAV button**	RES	---
Dip SW:	1	2	3	4	5	6	7	8
UP	*Keep UP*	OFF	OFF	OFF	AUTO	OFF	HIGH	*Keep DOWN*
DOWN	*Keep UP*	ON	ON	ON	MANUAL	ON	LOW	*Keep DOWN*

Note: Remove power to the unit prior to making adjustments to the dip switches

Note: Dip Switches 1 & 8 must be left in the position indicated above for proper operation

****iNAV button:** *Activates AUX Video (optional)*

1. With European radio keys, remove the MMI located in glove box. Disconnect any associated harnesses and set the radio aside.

2. Grab the provided **'Power/CAN Harness'** from the DYNAMIC A3 kit. Connect the following wires to the *car:*

| Interface wires	Connect to car	Location
Black (Ground)	Chassis Ground	PIN 15 (Radio plug)
Red (ACC 12v)	ACC 12v (+)	Black/White @ pass fuse box
*Green (Rev 12v in)**	*Reverse Lamp (+)*	---

*Note: this Green wire is ONLY used if CAN connection does not switch display to reverse image while in reverse properly.
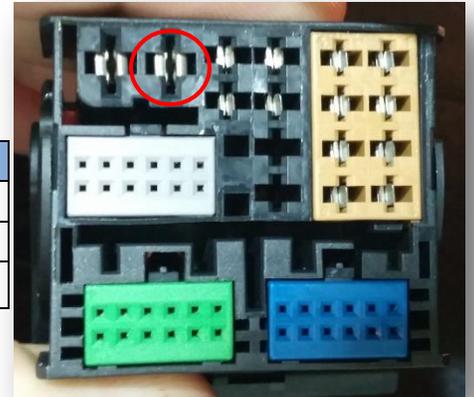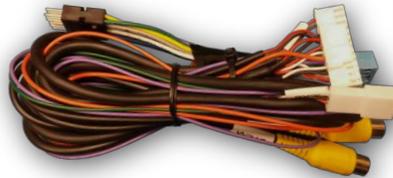
3. Locate the factory **Pink (For AUDI's with NAV, this connector is GRAY)**, 4-pin round connector that was removed from the radio in step 1. Connect this factory plug to the A3 interface at the port labeled **'VIDEO OUT'**.*
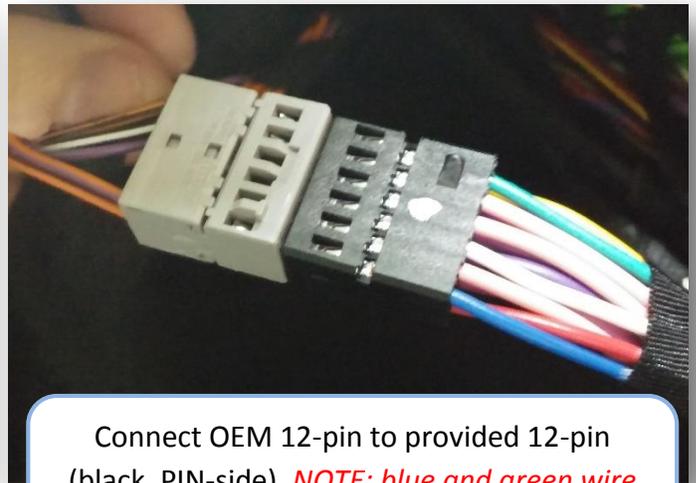
*NOTE: You may need to shave some keyways on the factory connector in order for it to fit into the VIDEO-OUT connector.
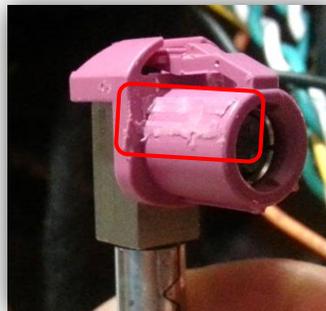
4. Connect the smaller white plug side of the provided **LVDS Video Cable** to the port on the A3 interface labeled **'VIDEO-IN'**.

5. Connect the free end of the provided *LVDS Video Cable* (green) back to the factory radio at the appropriate port.

6. Connect the provided 12-pin plug & play portion from the main power harness to the main factory MMI connector as shown below. Pay attention to the orientation, as this is vital to proper operation:

Remove gray OEM 12-pin

Connect OEM 12-pin to provided 12-pin (black, PIN-side). *NOTE: blue and green wire corner locations on provided plug vs OEM.*

Connect the female 12-pin side of the plug & play portion to the OEM main MMI connector as shown. *Note the paint dot must face towards the power wires.*

If the connector does not secure properly, zip tie the harness in place to surrounding wires *leaving slack so that the connector stays in place.* Use a spot of glue on the back side if you're still concerned with this.

Note: sometimes it is easier to connect the main plug back to the MMI first and then connect this 12-pin in.
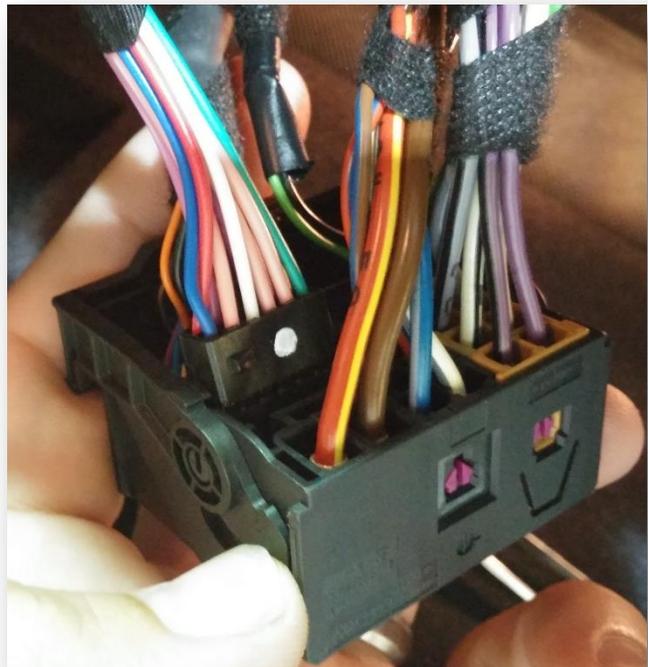
7. Connect ground and power for your camera, you may use the provided **purple** wire (labeled 'REAR12VOUT') for power for convenience. **NOTE:** *This power source will only supply 12v when the vehicle is in reverse (if forced rear camera is desired at any time, you'll need to use an ACC source for power instead).*

8. Connect the video feed from the camera to the RCA among the main power harness labeled 'CAMERA'.

9. Connect the white plug from the **Power/CAN Harness** to the port on the DYNAMIC A3 interface labeled *'POWER CAN'*.

10. **Optional:** If adding an additional video input (including front camera), connect the video signal to the RCA among the Power/CAN Harness labeled 'CVBSIN'**.**

11. **Optional:** If you're installing the optional **AUDI 3G-CAM**, remove the grid lines by cutting the **green wire** near the connector:
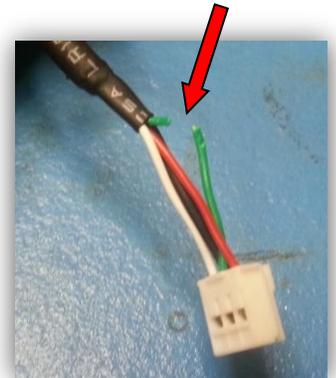
12. Start the car and test for proper functionality before replacing any dash pieces.

13. ***If the screen does not transition to reverse image when in reverse, connect the*** ***Green wire labeled 'REVERSE' to an OEM reverse lamp 12v (+) wire******. This is sometimes the case with manual transmission-equipped vehicles.***
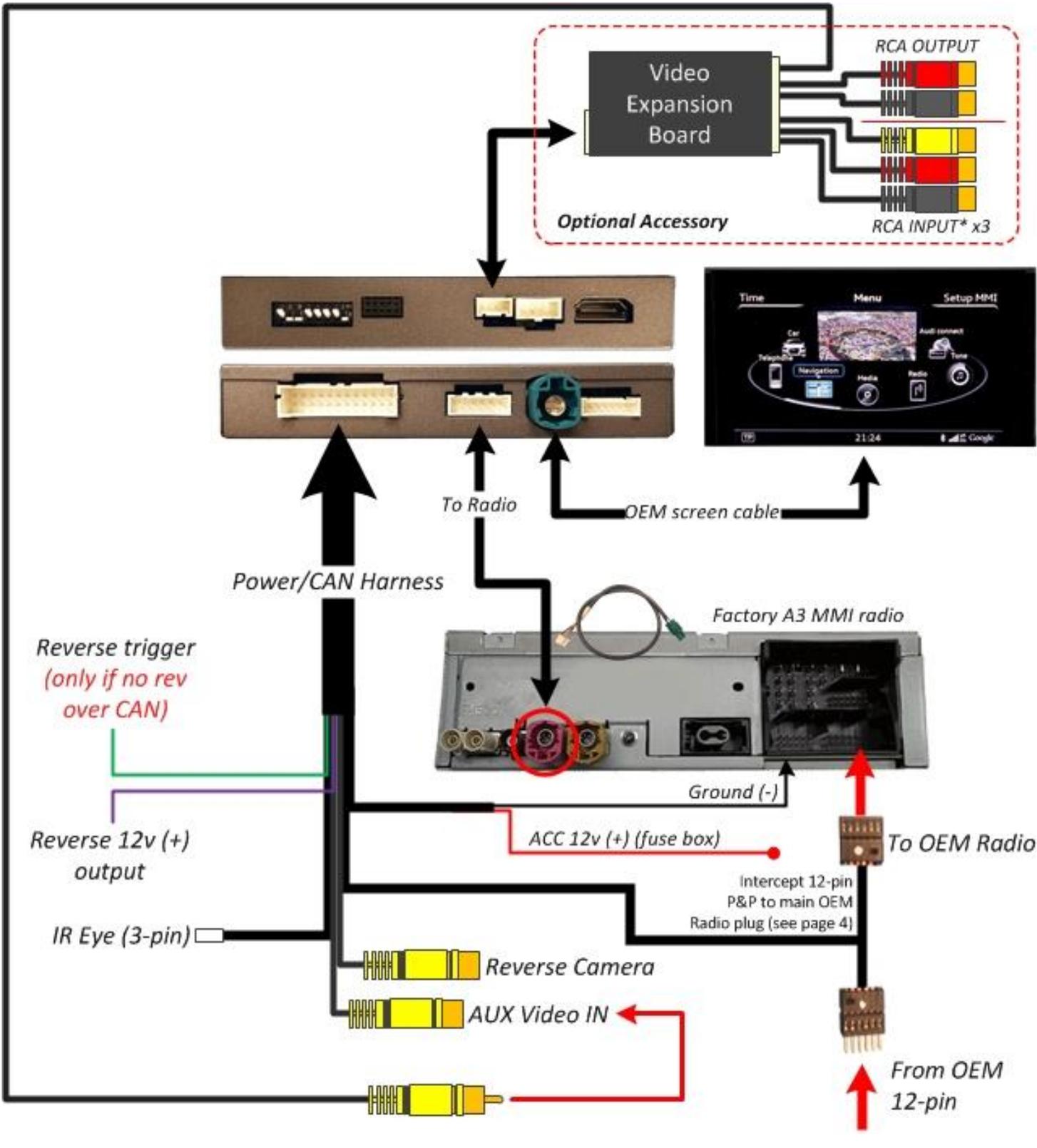
A3 Controls (MMI knob)

Press NAV to activate AUX Video Input (cycles through front cam and HDMI if added)

Note: This feature will only function

when active (see OSD Menu settings pg 7)

RCA OUTPUT

Video
Expansion
Board

Optional Accessory

RCA INPUT* x3

Time   Menu   Setup MMI

Car   Audi connect

Telephone   Tone

Navigation

Media   Radio

21:24

Power/CAN Harness

To Radio

OEM screen cable

Factory A3 MMI radio

Reverse trigger
(only if no rev
over CAN)

Reverse 12v (+)
output

Ground (-)

ACC 12v (+) (fuse box)

To OEM Radio

Intercept 12-pin
P&P to main OEM
Radio plug (see page 4)

IR Eye (3-pin)
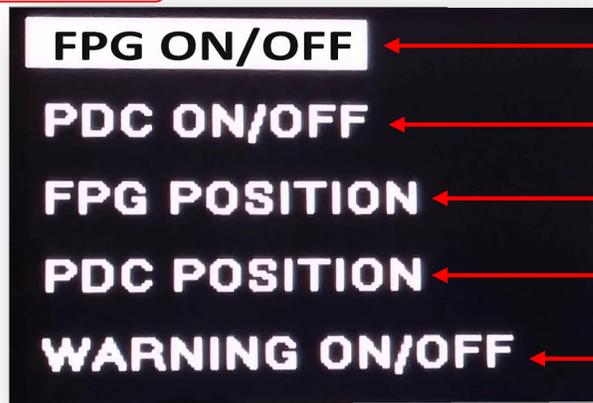
Reverse Camera

AUX Video IN

From OEM
12-pin

Before you start:

- The IR-Eye must be connected
- Make sure the car's ignition is on and radio is on
- You must be in **Reverse Camera** mode **OR AUX Video** mode (see below):
  - **Reverse Camera Mode** adjusts Reverse Camera Settings
  - **AUX Video Mode** adjusts AUX Video Settings
- Press the **OK BUTTON** 4 times (numbers will display per press), then press **POWER**.
- The **OSD Menu** will appear on screen (auto-time out in about 5 seconds if no action occurs).
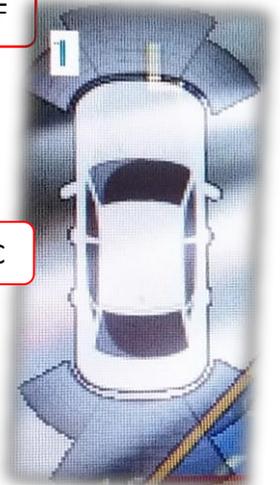
Return
(AUX VID menu control)

RVC Menu

FPG ON/OFF ← Functional Parking Guidelines ON/OFF

PDC ON/OFF ← Parking Distance Control ON/OFF (while in reverse)

FPG POSITION ← Adjust FPG Position

PDC POSITION ← Adjust PDC Position

WARNING ON/OFF ← 'Safe to move?' ON/OFF

PDC

AUX VIDEO Menu

NAVI AV SET INFO
9 Sec
FRON CAM

NAVI AV SET INFO
AV1-SEL ON
AV2-SEL
AV3-SEL
AV-DSP
AV3-DSP
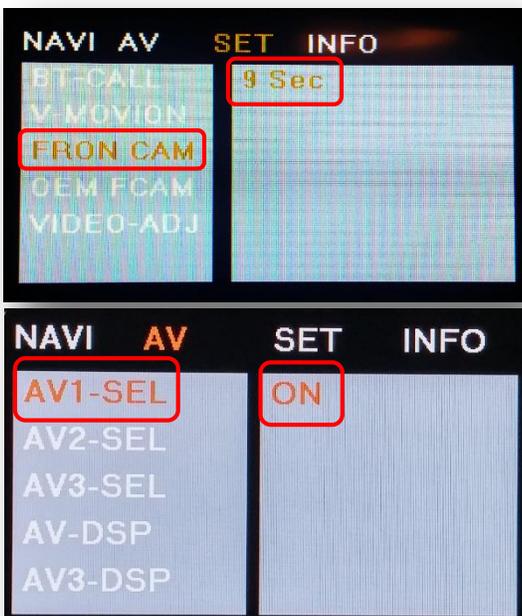
If adding a front camera OR Aux Video source:

1. Disconnect POWER/CAN Harness from interface
2. Place DIP SWITCH 1 in the DOWN position, reconnect power
3. Press the **NAV** button on the dash to activate 'NAV input'
4. Press **OK** button on remote 4 times, then press **POWER**

SET – FRON CAM must be turned on if adding a *front camera **and the user wishes for automatic front camera switching.*** Options for 5, 7, 9 or 11 seconds are user-selectable for the length of time the front camera input stays active once the vehicle is placed out of reverse.

If the user wants only an AUX video input **without front camera**, set **AV1-SEL** to **ON**

Once finished with settings, place DIP SWITCH 1 back into the **UP position** and reset power to interface.

Follow the instructions below when adding the HDMI adapter (HD-LINK) to enable HDMI input to the OEM screen:

1. Put dip switch #1 in the **DOWN** position.
2. Activate the 'NAV INPUT' by pressing the 'NAV' button on the dash.
3. Once 'NAV INPUT' shows on the screen, on the remote press the **OK BUTTON** <u>*4 times*</u>, then press **POWER**.
4. Navigate to the *'NAVI'* section.
   a. Select *'HDMI-SEL'*
   b. Choose *'HD95E'*
   c. Press *MODE* on the remote to return and exit the OSD menu (or let it time out).
5. Replace dip switch #1 to the **UP** position.
6. Connect the **black wire** to ground (-) and the **red wire** to ACC power (+) from the main power connector on the *HD-LINK* adapter. The RCA's on this plug provide audio from the HDMI source.