Connettore LCD

HS RC-BW06V

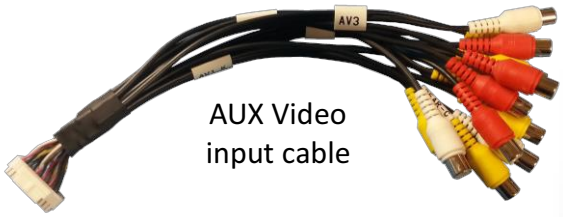
BMW 1 Series (E81) - 3 Series (E90) - 5 Series (E60)
6 Series (E63) - 7 Series (F01,F02)
X5 E70) - X6 (E71) - 2004-2008

INTERFACCIA RETROCAMERA INGRESSI AUDIO VIDEO PREDISPOSIZIONE GPS E ANDROID
(CONNETTORE QUADRO LVDS 10 PIN)

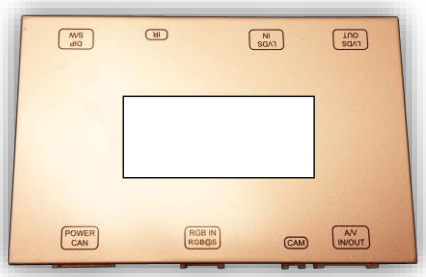
Overview

The HS RC-BW06V kit interfaces 2 video inputs (including a backup camera) to the factory media screen in select '04-'08 BMWs. This kit connects behind the screen and is not plug & play at this time.

Kit Content



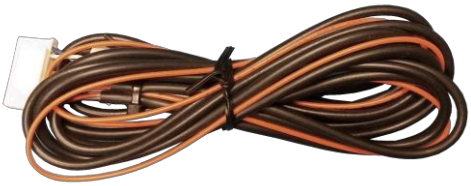
AUX Video input cable



LVDS Video cable

Remote (menu control)

Rear Camera Cable



Power/CAN Harness

IR receiver cable

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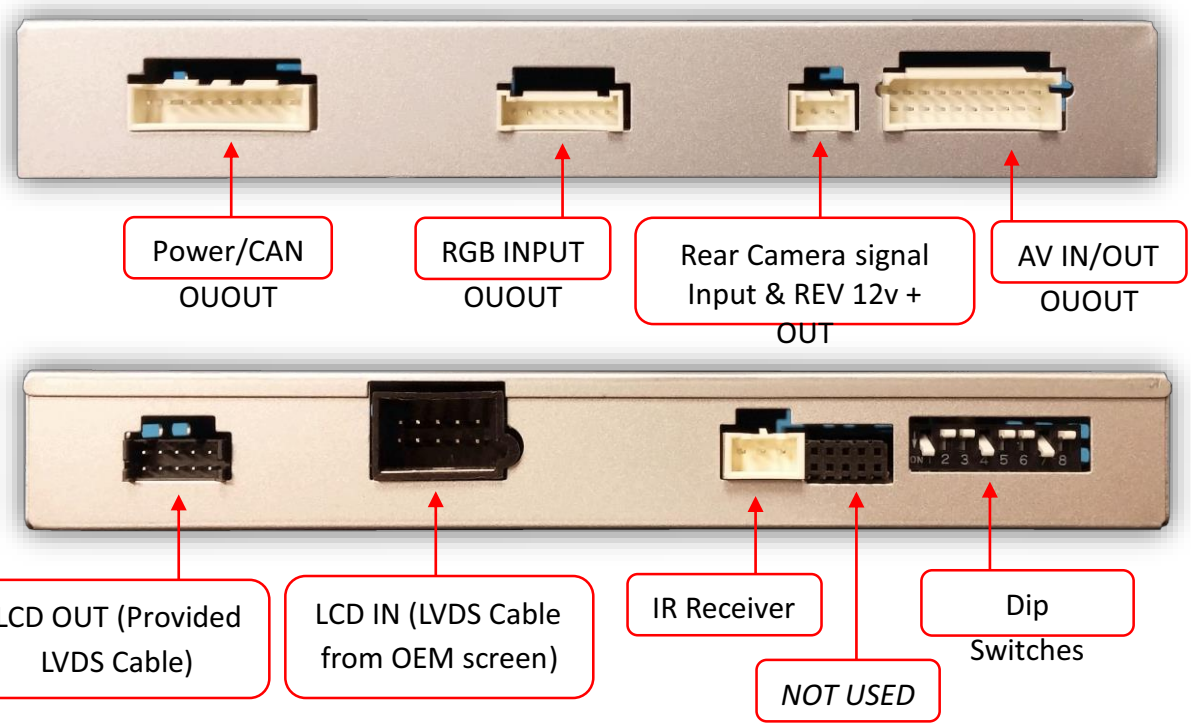
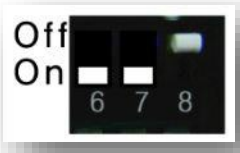
Interface Connectors



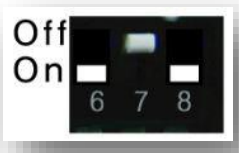
Dip Switch Settings*

Dip SW:	1	2	3	4	5	6	7	8
UP	*KEEP UP*	*SKIPS V1*	*SKIPS V2*	*RVC OFF*	*MANUAL TRANS*	*VEH SETTING*	*VEH SETTING*	*VEH SETTING*
DOWN	*KEEP UP*	*ENABLES V1*	*ENABLES V2*	*RVC ON*	*AUTO TRANS*	*VEH SETTING*	*VEH SETTING*	*VEH SETTING*

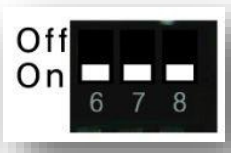
8.8” screen V1



8.8” screen V2



8.8” screen V3



6.5” screen

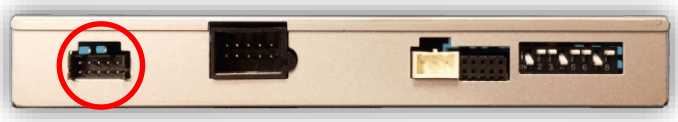
8.8” screen X6, 5 series

**Note: after adjusting Dip Switches, you must disconnect and reconnect power to the interface or the change will not be implemented.*

1. The BMW56-N connects entirely behind the ***OEM infotainment screen.*** You must gain access behind the screen for proper connection.
    a. Remove any dash panels secured to the sub-dash to access the Torx screws which secure the screen. Remove the screen and set aside.
2. Connect (splice) the following (4) wires from the provided *Power/CAN Harness* to the OEM 12-PIN screen power harness (previously removed from the screen in step 1):

Interface wire	Description	Connect to BMW wire	OEM PIN #
Black	Ground (-)	Brown/Black	3
Red	12v (+)	Red/Violet	1
Blue	CAN HIGH	Black ***or*** Green	5
White	CAN LOW	Yellow ***or*** Orange/Green	6
Orange	*NOT USED – CUT & INSULATE*		
Green	Reverse trigger input 12v + *(use only if CAN data fails)*		

3. Connect the provided LVDS video cable to the port on the BMW56-N interface labeled *'LVDS OUT'* and the other end back to the screen at the LVDS port.

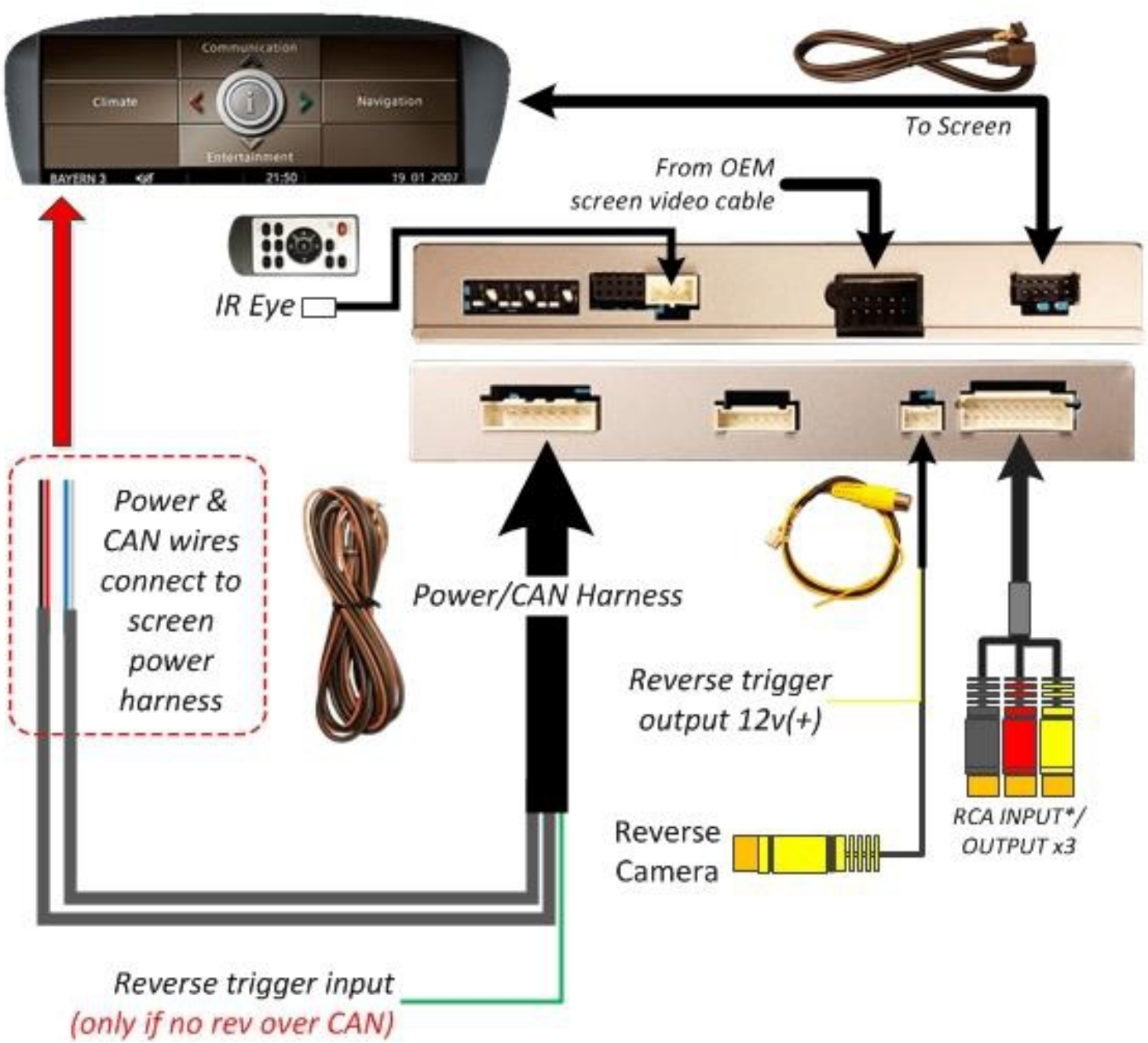


4. Connect the OEM LVDS video cable (originally connected to the screen) to the port on the BMW56-N interface labeled *'LCD IN'*.

5. Connect the provided *Rear Camera Cable* to the interface at the port labeled *'CAM'*.
6. Install and run the reverse camera power and signal to the BMW56-N interface location and connect to the RCA labeled *'CAMERA'.* Power your camera with an ACC source or use the ***yellow wire*** for *reverse 12v (+) only located on the Rear Camera cable. NOTE: this wire outputs 500 mA MAX – do not use to supply power to more than 1 camera. Use this wire to trigger a relay if you're concerned with current supply.*
7. ***Optional:*** If connecting additional AUX video sources, connect the AV Harness to the interface port labeled *'AV IN/OUT'* and use *'AV1' or 'AV2'* RCAs for video input signals. *Make sure the DIP switch settings are set properly if using additional video inputs.*

8. After DIP switch settings have been set (see page 2), connect the 8-PIN power connector to the BMW56-N interface labeled *'POWER CAN'*. Proceed to ***BMW56-N Operation.***

6-Install Diagram



**RCA signal integration for video only. Audio input is only pass through if supplied and switching follows video switch.*

-N Operation

- Once all connections are made and dip switches are set properly, placing the vehicle in reverse will display the connected camera with dynamic guidelines for convenience.
- Additionally, see below for AUX/Front camera activation using factory buttons.

Steering wheel

Hold (3 sec): *Adjust PIP on Reverse Cam image or AUX Video image*

Hold (3 sec): *Cycle between AUX video and OEM screen*

OR

iDRIVE knob

Hold (3 sec): *Cycle between AUX video and OEM screen*