

REAR-VIEW INTEGRATION w/ CAMERA FOR MERCEDES BENZ S-CLASS 2007-2009

RVCMB-78S



WORKS WITH ANY 10-PIN LVDS CONNECTER

MERCEDES BENZ:
2007 - 2009 S-550

We recommend reading this installation guide first before starting any work. Following these instructions from "Start" to "Finish" will ensure a smooth and hassle free installation. We offer telephone support M-F 9:00 AM - 5:00 PM PDT at 1 (855) 822-1348. We are here to help.

PARTS INCLUDED:

- (1) Camera (MB-78S)
- (1) 15 ft. Extension
- (1) MB-78S Interface
- (1) MB-78S Can-Bus Interface
- (1) MB-78S Harness
- (1) Instruction

Camera Specifications:

- Lens Angle 170 Degrees
- Resolution 420 TV Lines
- Min. Illumination 0.2Lux
- Voltage 12v
- Operating Temp. -22°F - 176°F
- NTSC
- Reference Lines
- Shutter Speed 1/60s - 20us
- Waterproof
- Pixels 656 x 492

PRECAUTIONS:

- Remove the negative side of the battery to avoid any short circuits during the installation.
- Do not install the interface near any major components or near the HVAC system. This may cause damage or overheating to the vehicle.

PRELIMINARY:

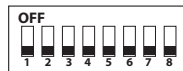
Please read the entire manual before installing this interface.

INSTALLING THE CAMERA AND CABLE

1. Remove the rear lip panel.
2. Drill a 5/8 size hole in the location
3. Fish the wires through the drilled hole and through the pass through into the trunk/cargo area.
4. Remove the factory display to gain access to the factory connectors.
5. Route the wires towards the display and make the power and video connections. For powering up the (RED) camera wire, use the (GREEN) 12v output from the POWER DOWN CIRCUIT board.
6. Using the T-Harness provided make the 10-Pin connections. Tap the CAN wires behind the factory display, not behind the radio.
7. Test the camera before re-installing the dash.

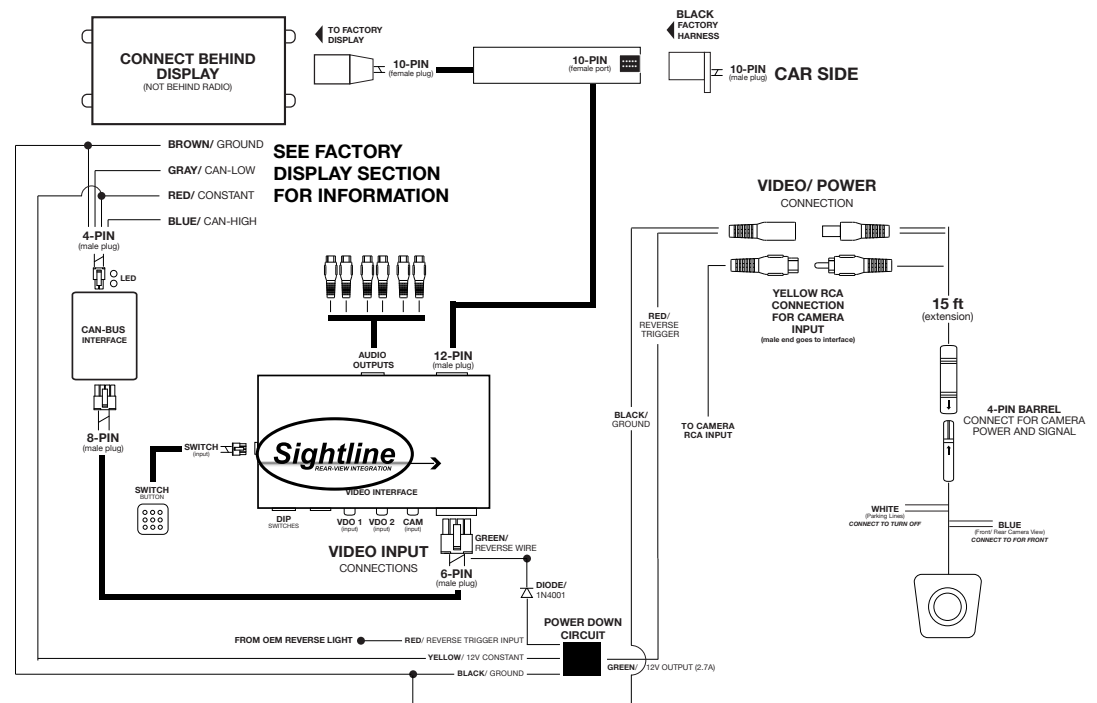
SETTING THE DIP SWITCHES ON MAIN INTERFACE

TO ENABLE VIDEO



- DIP 1: ON = RGB Enable , OFF = Disable
- DIP 2: ON = AV1 Enable , OFF = Disable
- DIP 3: ON = AV2 Enable , OFF = Disable
- DIP 4: ON = RGB HD 800x480 or VGA 640x480 , OFF = RGB Normal or NTSC 480x240
- DIP 5: ON = Aftermarket Camera , OFF = for Factory Camera equipped
- DIP 6: ON = IR program mode , OFF = Normal Mode
- DIP 7: OFF , 8 = OFF = 7 inches screen 800x400 resolution
- DIP 7: OFF , 8 = ON = 6 inches Screen 480x240 resolution
- DIP 7: ON , 8 = ON = 5 inches Screen 280x100 resolution

CONNECTIONS OVERVIEW



PARKING LINE

The parking lines are there to assist you while reversing.

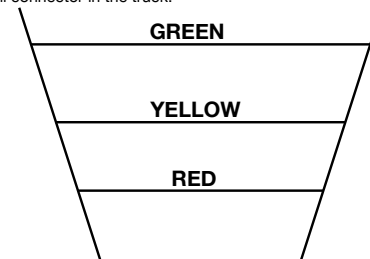
What the lines mean:

Yellow Line: CLEAR

Purple Line: GETTING CLOSE

Red Line: WARNING - VERY CLOSE

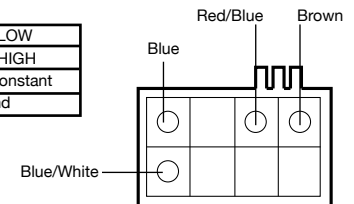
To remove the parking lines simply cut the GREEN wire located near the 4 pin tail connector in the truck.



FACTORY DISPLAY CONNECTOR (TAP HERE)

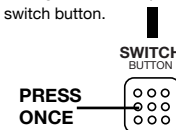
Behind the factory display (not the radio) there is a 8-Pin connector where you will be tapping your CAN wires. Locations go as follows:

Blue	CAN-LOW
Blue White	CAN-HIGH
Red/Blue	12v Constant
Brown	Ground



SWITCHING VIDEO INPUTS ON SWITCH

To toggle through the video inputs on the interface please press once on provided switch button.



TROUBLE SHOOTING

1. No video display while in reverse.
 - Make sure the dip switches are in the correct position. More support contact us.



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COMPATIBLE RADIO



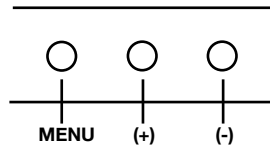
DIP SWITCHES	ON (Down)	OFF (Up)
DIP 1	RGB Input Enable	RGB Input Disabled
DIP 2,3	AV1/ 2 Input Enable	AV1/ 2 Input Disabled
DIP 4	RGB Input = VGA Resolution 800 x 480	RGB Input = NTSC resolution 480 x 240
DIP 5	AV4 video is selected when GREEN wire goes to 12V	Vehicles OEM display is selected when GREEN is connected to 12v.
DIP 6	Not Used/ Set to OFF	Not Used/ Set to OFF
DIP 7,8	7 = Up, 8 = Up	7 = Up, 8 = Down

DISPLAY SETTINGS:

The interface allows you display settings on the LEFT hand side of the interface.

Buttons Available:

Hold the menu button to enter the display settings. Use the (+) and (-) buttons to adjust up or down.



Display Options: *Parameter OSD*

- Brightness
- Contrast
- Saturation
- Position H
- Position V
- AV1
- AV2
- RGB