

Vehicle Applications

MERCEDES BENZ

2013 - Up B-class (W246)
2014 - Up CLA-Class
2012 - Up C-class (W204)
2012 - Up C-class (C204)
2012 - Up CLS (C218)

2012 - Up E-class (W212)
2012 - Up E-class (C207)
2011 - Up GLK (W204)
2012 - Up ML (W166)
2012 - Up SLK (R172)
2013 - Up SL (R231)

Features

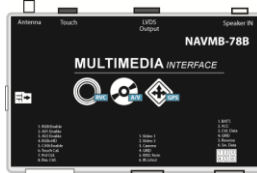
- Includes touch panel insert to convert the non-touch screen display to touch screen.
- Utilizes the latest mapping version of iGo Primo.
- 2 A/V Inputs + Reverse camera input



Radio Compatibility

- 5" screen with 4-Pin LVDS connector

Parts Included



MB-78B Module



MB-78B T-Harness



CAN Box Module



Touch Screen Overlay Panel



GPS Antenna



Video Input Cable



Audio Cable



External Speaker



Wiring Diagram

Installation Instructions

BEFORE YOU START:

- Set the parking brake before working on the vehicle.
- Disconnect the negative side of the battery to avoid short circuits during installation.
- Check that you have all the necessary parts listed on the "Parts Included" section.



1. Remove screen from dashboard.



2. Remove the screen from the heat sink.



3. Make sure the screen surface is clean and carefully attach the overlay touch screen panel to the screen.



4. Plug the overlay touch screen panel ribbon cable to the connector and secure with zip tie.



5. Reassemble the screen.




6. Connect the LVDS cable from the NAVMB-78B to the screen.



CONNECTION TO THE RADIO

1. Remove radio and unplug the Quadlock connector from behind the radio.
2. Plug in the Quadlock connector of the MB-78B T-harness to the radio.
3. Connect the OEM Quadlock connector to the female Quadlock connector of the MB-78B T-harness.
4. Connect the navigation antenna and mount the magnetic antenna to a desired location.
5. Plug in the 6-Pin Power plug from the CAN box to the power connection of the MB-78B module.
6. Plug the 4-Pin audio connector from the MB-78B T-harness to "Speaker In" on the MB-78B module.

MAIN INTERFACE MODULE



POWER

ON

OFF

1 2 3 4 5 6 7 8

DIP SWITCH DESCRIPTION

UP = OFF DOWN = ON

DIP 1 = ON RGB Enable / OFF RGB Disable
 DIP 2 = ON AV1 Enable / OFF AV1 Disable
 DIP 3 = ON AV2 Enable / OFF AV2 Disable
 DIP 4 = RGB (ON= 800x480p / OFF= 400x240p)
 DIP 5 = ON AV4 Enable / OFF Green Wire
 DIP 6 = ON IR Programming / OFF Normal use
 DIP 7 = ALWAYS ON
 DIP 8 = ON (6.5" screen) / OFF (8.8" or 10.2" screen)

LED INDICATORS

DATA LINK STATUS:
 Blinking = No BUS Detected. Solid = BUS Recognized.
 OFF = Power Down / Sleep Mode.

POWER STATUS:
 ON = Power On
 OFF = Power Off

NOTES:

- Before connecting the main module, set the proper DIP switch to the 'ON' position.
- Make sure to set the AV source being used to the 'ON' position.
- After each change of the DIP switch settings, we recommend powering down the module, then restarting the vehicle.
- The Video-In-Motion feature does not require activation. This feature is permanently ON and will not disturb the GPS performance.

Connecting the Video and Audio Inputs



1. Plug the 6-Pin Video Harness to the main interface module. This allows 3 video inputs.



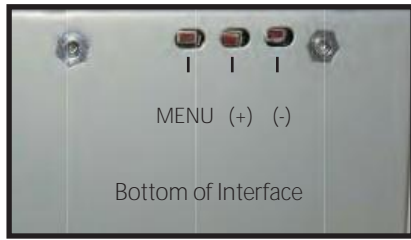
2. Plug the camera and video devices to the RCA video inputs. See right for video input description.

VIDEO INPUT DESCRIPTION:

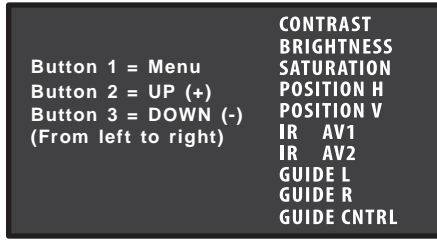
- YELLOW** = Video 1
- WHITE** = Video 2
- RED** = Reverse Camera
- GRAY WIRE** = Optional IR Output



MENU



SETTINGS

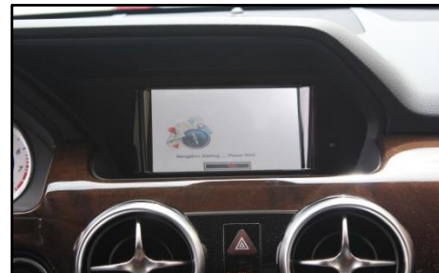


Menu options are available via the menu buttons on the bottom side of the interface module.

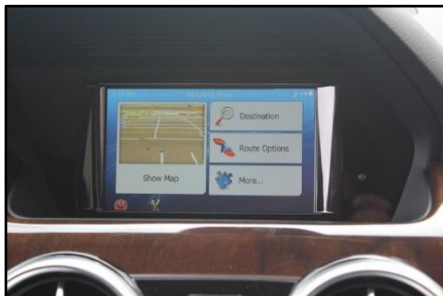
Operating Instructions



1. Press the CLR button of the Comand knob for 5 seconds to toggle between Navigation and video inputs.



2. Go to navigation mode and let the map load.



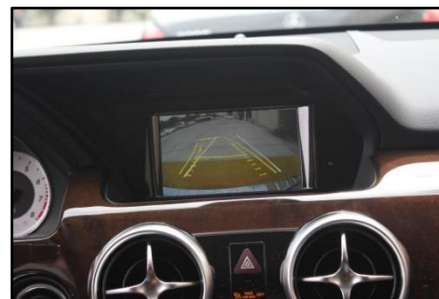
3. Once the map has loaded, you can begin to use the navigation. Use the touch screen feature to navigate through the settings.



4. Input an address location to test navigation.



4. Install camera (sold separately, Crux Part# CMB-16G) and run cables to the NAVMB-78B module.



5. Put the gear in reverse to test the camera.

