

NAV-TV

INTERFACING THE FUTURE

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BHM
11/06/14
NTV-DOC041
rB1

MB25 Kit

NTV-KIT077



Overview

The MB25 Kit programs the MB25 radio in select Mercedes vehicles for TV tuner emulation, allowing the user to add video and audio to the OEM system. If used for adding a reverse camera, please note that the TV button (or blank or SAT button) will have to be pressed every time the user wants to view the camera image (before shifting into reverse).

Note: If the vehicle is equipped with SAT Radio, it will no longer function with this kit installed.

Kit Contents



Audio Input Harness
NTV-CAB020



MB25 Power Cable
NTV-CAB034



Remote Control
NTV-REM001



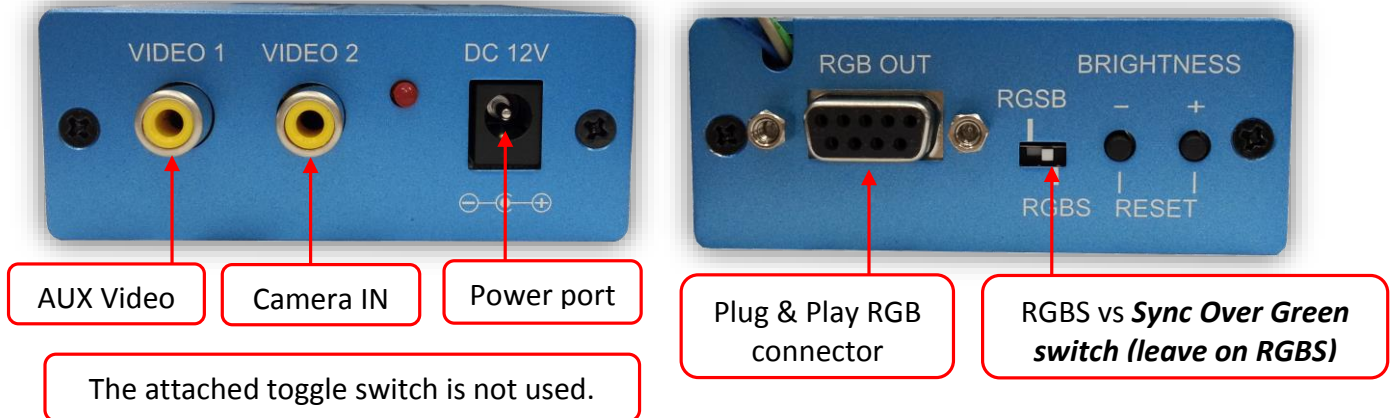
Video Input Harness
NTV-CAB022



MB25 Programmer/Converter
NTV-ASY132

Agreement: End user agrees to use this product in compliance with all State and Federal laws. NAV-TV Corp. would not be held liable for misuse of its product. If you do not agree, please discontinue use immediately and return product to place of purchase. This product is intended for off-road use and passenger entertainment only.

Interface Connectors

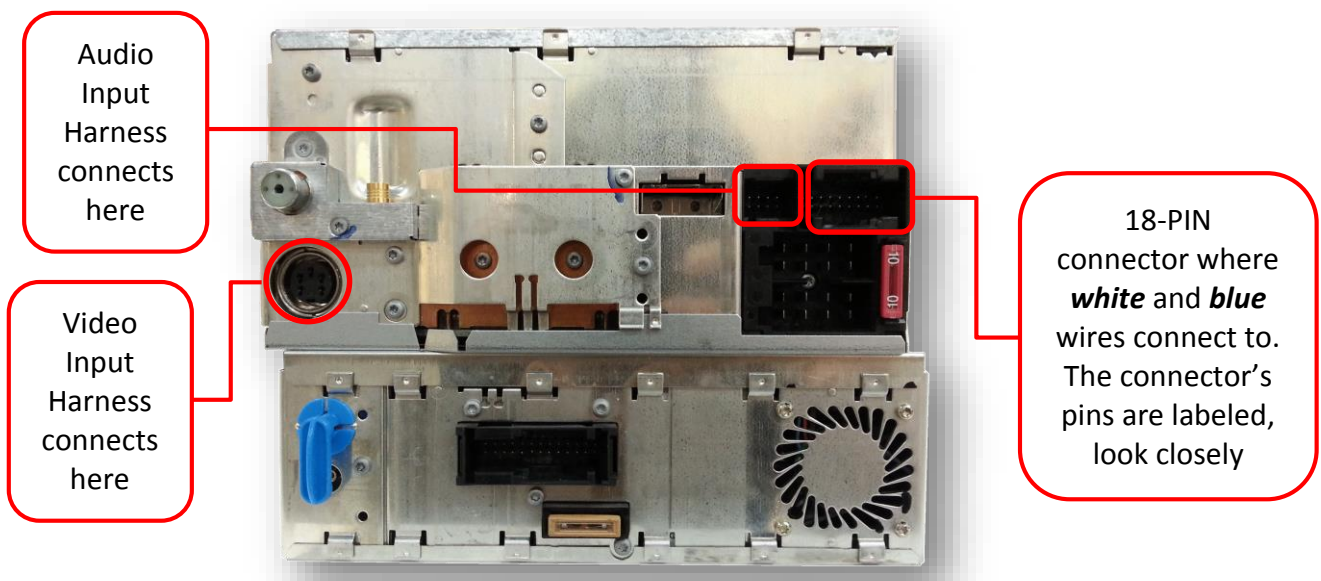


Wire Connections

WARNING!

DO NOT power up the NAV-TV MB25 until the end! Connecting the power to the RGB is the LAST step (for install). Follow directions carefully as this module will only attempt programming ONE time!

1. Remove the factory MB25 radio from the dashboard and set aside.
2. From the MB25 module, connect the **Blue wire** to **PIN 17** (18-pin plug see below). **If there is already a wire populated here, splice into it.**
3. On the radio, at the 18-PIN plug shown below, locate **PIN 1** (18-pin plug see below). **Cut this wire in half.**
4. From the MB25 module, connect the **White wire** to the **RADIO SIDE** of the cut wire at PIN position 1. **NOTE: after programming, this NAV-TV wire must be removed and the previously cut wire MUST be restored to factory.**



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5. Connect the provided **Video Input Harness** to the MB25 kit and the back of the radio at the port labeled in the figure on page 2.



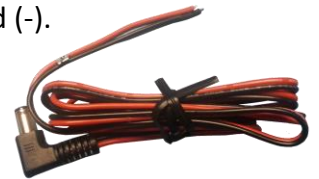
6. If audio input is desired, connect the audio source to the RCA's on the provided **Audio Input Harness**. Connect the other end to the audio input port behind the radio (see image on page 2).



7. If reverse camera is desired, connect the **Green wire** to a reverse 12v (+) wire in the car. Power your rear camera with an accessory 12v source, and connect the signal to the **Video 2** port.

8. From the provided **MB25 Power cable**, connect the **black wire** to ground (-).

9. From the provided **MB25 Power cable**, connect the **red wire** to a 12v (+) accessory source.



DO NOT Connect this power connector to the MB25 module yet.

10. Reconnect remaining harnesses to the MB25 radio, set the radio in the dash (don't secure fully) and turn the car on. Wait for the radio to boot fully and settle.
11. Connect the **MB25 Power cable** to the MB25 module. If all connections are correct, the radio will go into programming mode – wait for the process to complete (color bar, etc).
12. Once programming has completed, **REMOVE** the NAV-TV **white wire** from step 4 and **reconnect** (solder) the cut OEM wire at PIN 1 (from step 3).
13. Your **'SAT', 'TV'** or blank button is now activated. Connect a video signal to the MB25 module at the **VIDEO 1** port.
14. Test to verify operation.

MB25 Operation

To use TV tuner emulation, press the **'SAT' or 'TV' or [blank]** button once with the radio on. Video (and audio) source provided to the MB25 module and radio will display.

If using this kit for a reverse camera interface, the **Green wire** must see **12v (+) while in reverse**. This wire must be connected to a reverse light.

Note: the activation button (from above) must be pressed once before going into reverse in order for the rear camera image to display. This is a factory limitation.

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