NAV-TV

INTERFACING THE FUTURE

MOST-H.U.R. MB V2

Head Unit Replacement interface for select Mercedes

NTV-KIT736

Overview

The MOST-HUR ML V2 is a radio replacement interface for Mercedes Benz ML vehicles equipped with an external M.O.S.T. fiber optic amplifier. The module allows the factory amplifier, speakers and sound quality to be retained when adding a modern aftermarket radio. Other components in the factory system, such as a CD changer, satellite radio, telephone module, DVD player, or any other factory component in the M.O.S.T loop will not need to removed, but will not function after the installation.

Kit Content

Plug & Play T-Harness
NTV-HAR285

MOST-HUR MB interface
NTV-ASY202

Fiber Optic extension cable/connector
NTV-HAR067/NTV-CON002

3.5mm plug for IR
NTV-CAB026

USB Cable (updates)
NTV-CAB009

Antenna Adapter
NTV-CAB027

MOST HUR-MB V2 Pinout

Pin #	Description	Color	Radio Connections:
1	Constant 12v (+)	Yellow	Radio, Constant Power
2	Left Front Audio IN	White RCA	Radio, Left Front RCA OUT
3	Rear Common Shield	Green/Purple RCA	Radio, Rear RCA Common
4	Left Rear Audio IN	Green RCA	Radio, Left Rear OUT
5	Remote IN	Yellow/Black	Radio, Remote OUT
6	--*NOT USED*--	Yellow/Blue	--
7	Reverse Signal OUT	Purple/White	Radio, Reverse IN
8	Illumination OUT	Orange	Radio, Illumination Control
9	CAN HI	Brown/Red	--
10	Ground	Black	Radio, Black (Ground)
11	Right Front Audio IN	Gray RCA	Radio, Right Front RCA
12	Front Common Shield	White/Gray RCA	Radio, Front RCA Common
13	Right Rear Audio IN	Purple RCA	Radio, Right Rear OUT
14	IR OUT	White	Radio, IR Control
15	Parking Brake OUT	Green	Radio, Parking Brake IN
16	--*NOT USED*--	Green/White	--
17	12 ACC OUT (1 amp)	Red	Radio, ACC Power
18	CAN LO	Brown	--

Wire side view

Wires highlighted green will be connected to the vehicle via the Plug & Play Harness.

HUR-MB Installation

1. ***Base-line the factory radio:***
    a. Source the radio to FM radio.
    b. Adjust the volume to a **comfortable** listening setting
    c. Be certain the **MUTE** function is not enabled
    d. Center the balance and fade, center the bass and treble
    e. Be certain there are no other problems with the factory stereo system before installing this unit.
2. Remove the factory radio from the dash.
3. Connect the provided **Plug & Play Harness** to the main factory connector previously removed from the OEM radio.
4. Remove the fiber optic plug from the OEM Harness.
    a. Connect the provided **fiber connector** to the OEM fiber plug
    b. Connect the new fiber assembly to the MOST HUR-MB interface at the fiber port.
5. Connect the RCAs among the **Plug & Play Harness** to the low-level pre-outs of the aftermarket radio. *NOTE: factory subwoofer (if equipped) is not adjustable through the amplifier, therefore will not be adjustable with the aftermarket HU.*
6. Make all remaining radio connections:
    a. *Ground (-)* is provided from the HUR **Black** wire (PIN 10)
    b. *Constant Power (+)* is provided from the HUR **Yellow** wire (PIN 1)
    c. *ACC 12v (+) power* is provided from the HUR module **RED** wire (PIN 17). *Connect the vehicle's Power Antenna wire (blue from HUR) to this ACC as well (often times, some radios will not supply sufficient current to the vehicle power antenna.*
    d. *Reverse* signal is provided from the HUR module **Purple/White** wire (PIN 7)
    e. *Remote from HUR (yellow/black) must connect to the remote OUT from the radio (typically blue/white)*
    f. *IR* signal is provided from the HUR module **White** wire (PIN 14). *NOTE: If installing Kenwood radio, connect white wire directly to remote-in wire from head unit. All other radios, connect white wire to the red wire of the provided IR plug 3.5mm adapter cable and connect to remote in port on HU.*
    g. E-brake is provided from the HURv2 unit's **Green** wire (PIN 15). Connecting this to the Parking brake wire of the radio will *bypass the video lock-out restriction* on every key cycle*.
    h. *Connect the RCAs from the HUR to the radio's low level outputs. The high-level speaker leads are not used for this install.*
7. Connect the 18-pin plug from the **Plug & Play Harness** to the MOST HUR-MB interface at the power port and proceed to *MOST HUR-MB V2 Menu Setup.*

For off-road use and passenger entertainment only.

MOST HUR-MB V2 Menu Setup

- Once all connections are made, verify sound is heard through the system with the key on. Verify balance and FM radio signal (via the aftermarket HU).
- The following MOST-HUR/OEM Amplifier adjustments can be made with the OEM steering wheel controls, and feedback is shown through the cluster LCD screen during the process.

To begin, the cluster must be resting in **'AUDIO' display mode** *(use Page UP or DOWN until* **'Audio'** *appears)*

4
Arrow UP
Press to adjust value of current option

3
Phone pick up

Volume UP
Press to select option

1
Page UP

Page DOWN

Arrow DOWN
Press to adjust value of current option

2
Phone hang up: HOLD 10 seconds to enter HUR menu, press once again to exit (See page 5 for alternate method)

Volume DOWN
Press to select option

Gain	Fader	Balance	Bass	Treble
65 %	Center	Center	0	0
+82°F	+82°F	+82°F	+82°F	+82°F
Input GAIN 0-100% Use Arrows to adjust	FADE -5 - +5 Rear/Front Use Arrows to adjust	BALANCE -5 - +5 Left/Right Use Arrows to adjust	BASS -5 - +5 Left/Right Use Arrows to adjust	TREBLE -5 - +5 Left/Right Use Arrows to adjust

NOTE: FADE settings are only active through the cluster – they will NOT function through the aftermarket radio.

MOST HUR-MB V2 Steering wheel type / LOGIC 7 setup

- Before steering wheel controls will operate properly, you must select the proper protocol in the HUR Cluster menu (see page 4). Each type is detailed below:

Use for Kenwood radio

Use for Alpine radio

Use for Pioneer radio with remote model *PCDR33*

Use for Pioneer radio with remote model *PQXE1044*

Use for Sony radio

Select whether or not to use OEM LOGIC 7 processing

*When finished, press **Phone Hang Up**, or **cycle key**, or wait for **15-second time out**.*

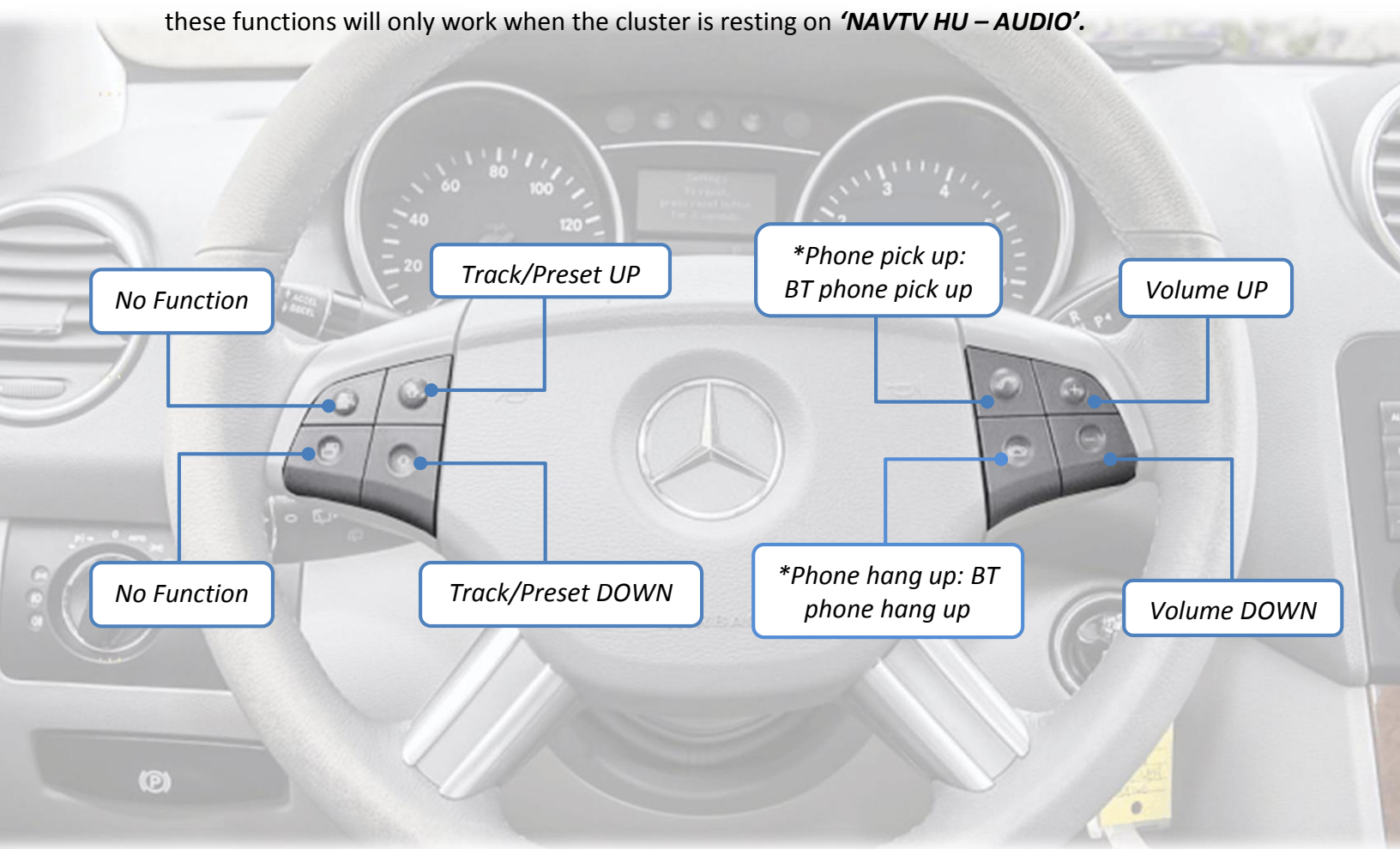## Entering HUR Cluster menu without steering wheel *(optional)*

If this Mercedes has *Tel-Aid or MBRACE*, entering the HUR Cluster menu may not be accessible with the **Hang Up** button. In this case, **press and hold** the push button on the side of the module for **10 seconds** to enter the menu, adjust settings normally, then press the button once more to **exit.**

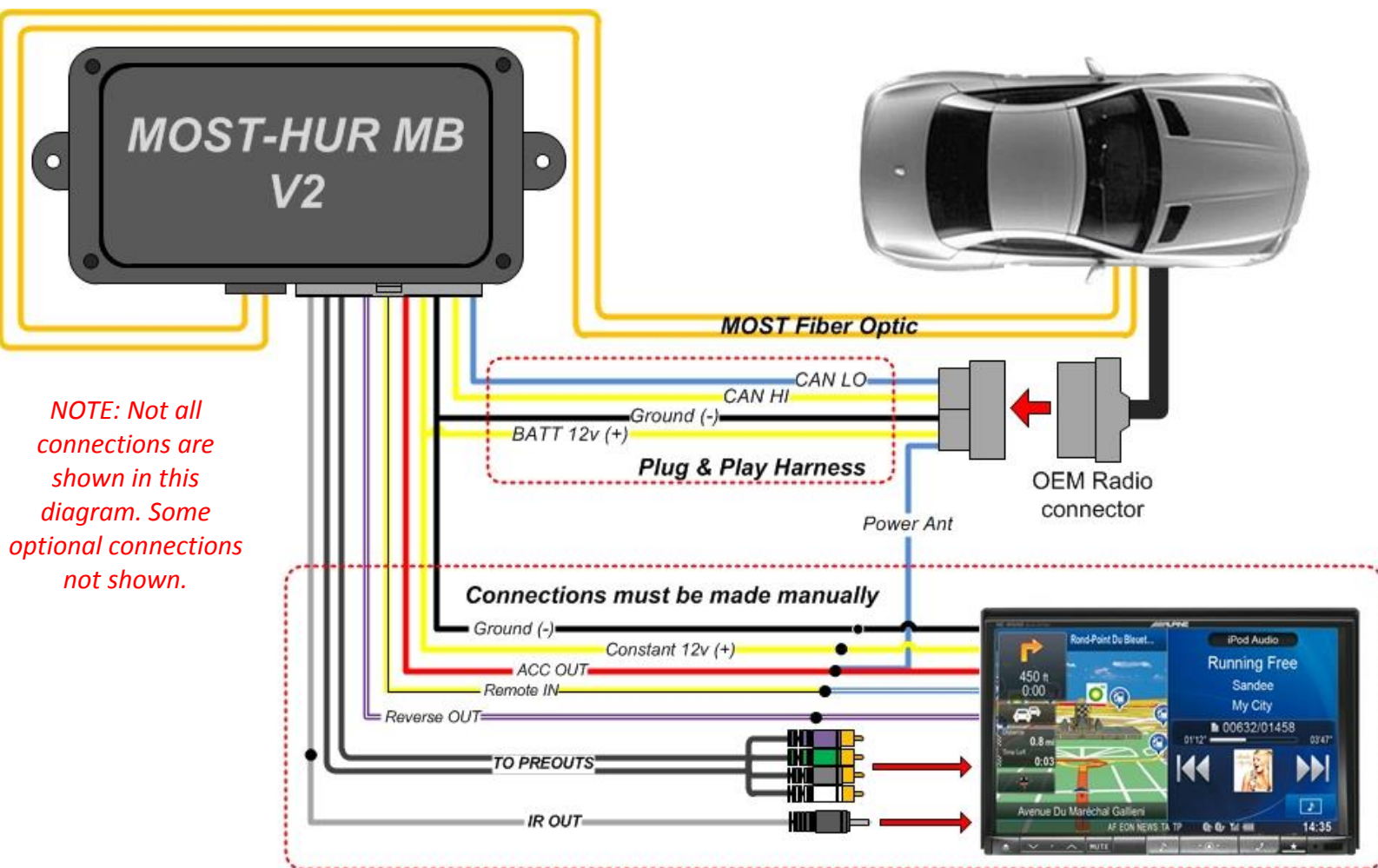*NOTE: when mounting the HURv2, be sure not to allow anything to press against this button.*

Steering Wheel (radio) Control

- This section shows the steering wheel controls **when not in NAV-TV settings mode**. Note that some of these functions will only work when the cluster is resting on *'NAVTV HU – AUDIO'.*

- Pioneer radio steering wheel control support coming soon
- *Not supported in all vehicles due to various vehicle-equipped or non-equipped components*

MOST HUR-MB V2 Diagram

NOTE: Not all connections are shown in this diagram. Some optional connections not shown.

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