NAV-TV
INTERFACING THE FUTURE

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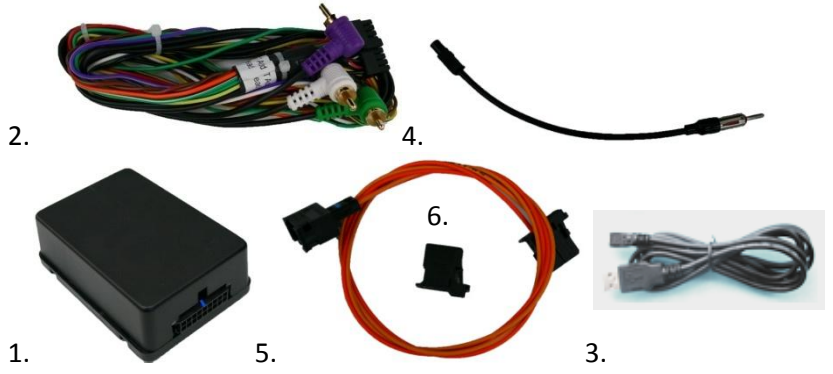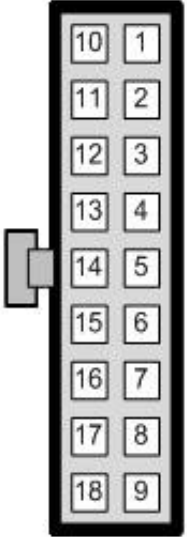www.nav-tv.com   info@nav-tv.com

Porsche Head Unit Replacement

Interface for adding aftermarket radio into a factory amplified systems containing M.O.S.T.

Overview

What's in the box	Fig. 1 – Package Contents
1. **NAV-TV control box** 2. **Connection cable** 3. **USB cable** 4. **Antenna adaptor** 5. **Fiber-optic extension cable** 6. **Fiber-optic cover**	

Wire Functions	NAV-TV Colors	Connects to:	Fig. 2 Molex plug
1. **12v Switched from key** 2. **Left Front Audio IN** 3. **Rear Common Shield** 4. **Left Rear Audio IN** 5. **Remote IN** 6. **Foot Brake OUT** 7. **Reverse Signal OUT *** 8. **Illumination OUT** 9. **CAN HIGH** 10. **Ground** 11. **Right Front Audio IN** 12. **Front Common Shield** 13. **Right Rear Audio IN** 14. **IR OUT** 15. **Parking Brake OUT** 16. **VSS OUT** 17. **12v Switch OUT (0.5A)** 18. **CAN LOW**	1. **Yellow** 2. **White RCA** 3. **Green/Purple RCA** 4. **Green RCA** 5. **Yellow/Black** 6. **Yellow/Blue** 7. **Purple/White** 8. **Orange** 9. **Brown/Red** 10. **Black** 11. **Gray RCA** 12. **White/Gray RCA** 13. **Purple RCA** 14. **White** 15. **Green** 16. **Green/White** 17. **Red** 18. **Brown**	1. **Vehicle Ignition** 2. **Radio, Left Front RCA OUT** 3. **Radio, Rear RCA Common** 4. **Radio, Left Rear OUT** 5. **Radio, Remote OUT** 6. **Radio, Foot Brake IN** 7. **Radio, Reverse IN** 8. **Radio, Illumination Control** 9. **Vehicle, Brown/Red (CAN)** 10. **Vehicle, Brown (Ground)** 11. **Radio, Right Front RCA** 12. **Radio, Front RCA Common** 13. **Radio, Right Rear OUT** 14. **Radio, IR Control (Tip of 1/8" plug)** 15. **Radio, Parking Brake IN** 16. **Radio, VSS IN** 17. **Radio 12v Switched (via Relay)** 18. **Vehicle, Brown (CAN)**	

* Reverse Out is not supported on 997's and standard shift Cayennes, and the radio's *Reverse In* must be connected to the vehicle's Reverse light.
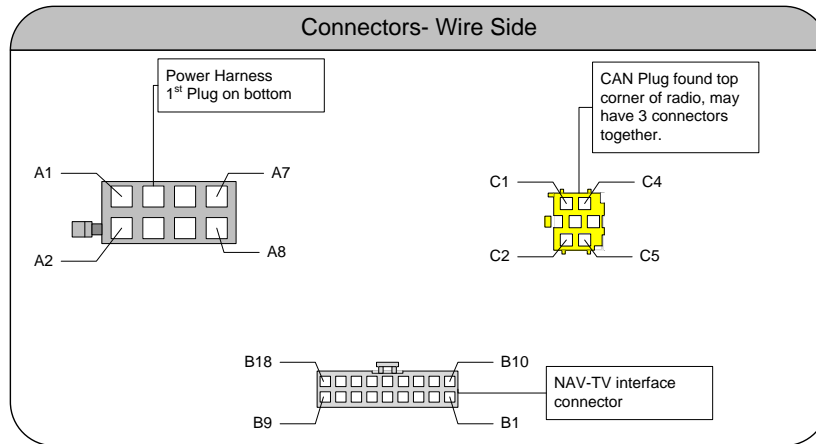
Installation

Installation	FAQ's
1. Remove radio from dash. 2. Remove fiber-optic cable from factory connector, insert into supplied fiber connector, and plug into supplied fiber-optic extension cable. 3. Connect interface harness to proper wires with information provided above. 4. Radio's constant power, ground, and power antenna need to be connected to vehicles radio harness, the interface does not provide these connections. 5. **SOLDER ALL CONNECTIONS!** *Plug interface only after wiring is done!*	**Q. Radio doesn't power up when key is inserted.** **A**. Be sure that all connections are soldered. Verify that the CAN connections are to the correct wires, or that they are not backwards. **Q. Radio turns on, but I don't hear any audio.** **A.** Make sure that the AMP REMOTE out of the radio is connected to the YELLOW/BLACK wire of the interface. **Q. Why won't the steering wheel controls work?** **A.** Make sure the proper file is loaded for the radio, and the steering wheel controls are programmed for the proper radio. (Eclipse and Pioneer steering wheel controls are not supported). **Q. I don't get any radio reception.** **A.** Be sure that the radio's POWER ANTENNA out is connected to pin 14 of factory harness. **Q. Is fading supported?** **A.** Since fading is controlled by the factory radio, the MOST-HUR cannot set it. If fading is desired, then it must be set by the factory radio, before it is removed. **Q. Will this allow me to control factory accessories, i.e. factory changer, satellite radio etc?** **A.** No.

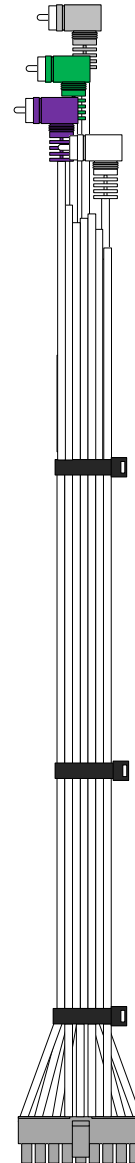| Programming:	
To download radio specific files go to the Nav-TV website: http://www.navtv.com . These files are designed to make installation easier. If the radio is not listed, use an existing file to program the M.O.S.T. HUR module; however, steering wheel control will not be available.	

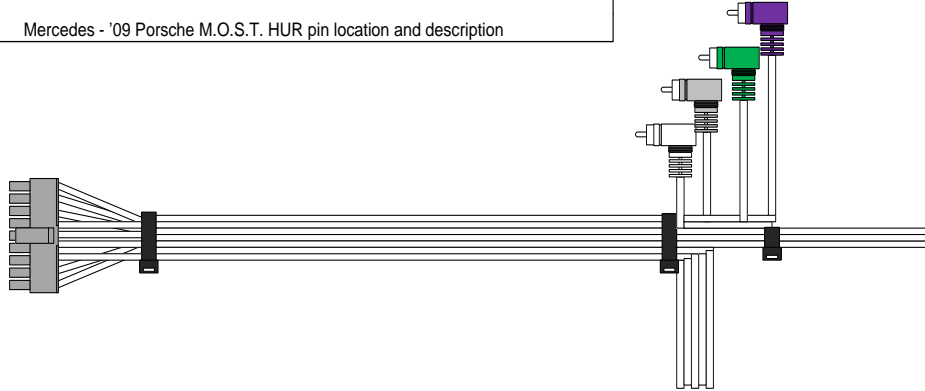# '04-'08 Porsche M.O.S.T. HUR pin location and description

Connectors- Wire Side

Power Harness
1st Plug on bottom

CAN Plug found top
corner of radio, may
have 3 connectors
together.

A1   A7

A2   A8

C1   C4

C2   C5

B18   B10

B9   B1

NAV-TV interface
connector

Connector		Wire Color	Vehicle Color	Wire description
B1		Yellow		+12v switched at ignition
B2		White RCA		Left Front RCA Audio IN
B3		Rear RCA's		Rear RCA Shields
B4		Green RCA		Left Rear RCA IN
B5		Yellow/Black		12v AMP Turn On from radio
B6		Yellow/Blue		12v OUT- Vehicle Foot Brake Signal
B7		Violet/White		1A +12 Reverse OUT
B8		Orange		Illumination OUT
B9	C1	Brown/Red	Orange/Purple	CAN HIGH
B10	A8	Black	Brown	Ground- Shared Radio/Module
B11		Grey RCA		Right Front RCA Audio IN
B12		Front RCA's		Front RCA Shields
B13		Violet RCA		Right Rear RCA Audio IN
B14		White		IR Control to radio – Steering Wheel
B15		Green		Parking Brake OUT
B16		Green/White		Vehicle Speed Sense (VSS) OUT
B17		Red		1A +12v Switched OUT. Relay required
B18	C2	Brown	Orange/Brown	CAN LOW
	A5		White	Power Antenna IN- From Radio to Car

DESCRIPTION	
Mercedes - '09 Porsche M.O.S.T. HUR pin location and description	

Connector		Wire Color	Vehicle Color	Wire description
B1		Yellow		+12V switched at the ignition
B2		White RCA		Left Front RCA Audio IN
B3		Rear RCA		Rear RCA Shields
B4		Green RCA		Left Rear RCA Audio IN
B5		Yellow/Black		12v AMP Turn On from radio
B6		Yellow/Blue		12V OUT- Vehicle Foot Brake Signal
B7		Violet/White		1A +12v Reverse OUT
B8		Orange		Illumination OUT
B9	A11	Brown/Red	Orange/Purple	CAN HIGH
B10	A12	Black	Brown	Ground- Shared Radio/Module
B11		Gray RCA		Right Front RCA Audio IN
B12		Front RCA		Front RCA Shields
B13		Violet RCA		Right Rear RCA Audio IN
B14		White		IR Control to radio- Steering Wheel
B15		Green		Parking Brake OUT
B16		Green/White		Vehicle Speed Sense (VSS) OUT
B17		Red		1A +12v Switched OUT. Relay required
B18	A9	Brown	Orange/Brown	CAN LOW
	A14		White	Power Antenna IN- To Vehicle

Connector- Wire Side

A16

A4

Fiber Optic Port

A13

A1

Factory Connector

NAV-TV interface connector

B18

B10

B9

B1