

AHDH-GM1

AHDH-GM1

GM CLASS II HARNESS USED WITH AHDT-01 AND AHDI-D01

- 4) Connect the "car side" of the orange wire to the COM terminal (30) of the relay, making sure connection is properly insulated.
- 5) Connect the "tuner side" of the orange wire to the NC terminal (87a) of the relay, making sure connection is properly insulated. Reconnect vehicles battery before proceeding.

FINAL CONNECTIONS

Connect the 20 way Molex of the AHDH-GM1 to one end of the AHDI-D01. Use the instructions included with the AHDI-D01 to connect the AHDT-01 HD Tuner to the AHDI-D01. Once everything is connected turn the ignition on, off then back on again to initialize the interface. Section 2 will describe what buttons are used and what the functions are of those buttons.

SECTION 2 - RADIO OPERATION

GM Class 2 Radio, SAT Mode

Band	Changes into the next mode & selects the next device. It will scroll through Analog AM & FM and then the current SAT device. The current SAT device will alternate between HD-AM and HD-FM. If an iPod is attached, then it will alter natively be chosen in the following order: HD-AM > iPod > HD-FM > iPod.
Seek	Seeks up & down the HD stations while in HD mode and will track up & down within a playlist in iPod mode.
Tune (dial)	In HD mode, this goes to the next & previous station. In iPod mode this goes to the next & previous song in the playlist.
Preset #1	In HD mode, this is a preset select button. Goes to the next selection while in iPod browse mode.
Preset #2	In HD mode, this is a preset select button. Goes to the previous selection while in iPod browse mode.
Preset #3	In HD mode, this is a preset select button. Selects the current option while in iPod Browse mode.
Preset #4	In HD mode, this is a preset select button. In iPod mode this is the 'enter' and 'exit' function in "browse" mode.
Preset #5	In HD mode, this is a preset select button. Changes between random on/off in iPod mode.
Display	Changes the display mode. The options are Artist, Track Name, and Album. Press and hold this button to "lock" the current mode.

GM CLASS 2 RADIO, CD CHANGER

MODE

Aux	Changes into the next mode & selects the next device. It will scroll through Analog AM & FM and then the current SAT device. The current SAT device will alternate between HD-AM and HD-FM. If an iPod is attached, then it will alternatively be chosen in the following order : HD-AM > iPod > HD-FM > iPod
Seek	Seeks up & down the HD stations while in HD mode and will track up & down within a playlist in iPod mode.
Preset #1/Prev	In HD mode it seeks to the previous channel. In iPod this goes to the previous song. In iPod browse mode, it goes to the previous browse selection.
Preset #2/Next	In HD mode it seeks to the next channel. In iPod mode this goes to the next song. In iPod browse mode, it goes to the next browse selection.
Preset #3/REV	In HD mode it goes to the previous station. In iPod mode, it rewinds through a song.
Preset #4/FWD	In HD mode it goes to the next station. In iPod mode, it fast forwards through a song. In iPod browse mode, this acts as the 'select' option.
Preset #5 (Disk/Side)	In HD mode, this is a preset select button. In iPod mode, this is the 'escape' function to enter & exit "browse" mode.
Preset #6/RDM	In iPod mode this toggles between random on & off.
Display	Changes the display mode. The options are Artist, Track Name, and Album. Press and hold this button to "lock" the current mode.



AHDH-GM1

INSTALLATION INSTRUCTIONS

*** READ IMPORTANT WARNING ON PAGE 1
BEFORE ATTEMPTING ANY INSTALLATION**

The AHDH-GM1 is to be used along with the AHDT-01 HD Tuner and the AHDI-D01 domestic HD interface (all sold separately) in the vehicles listed above. An iPod may also be connected by using the XIAH-IPC iPod cable (sold separately). The OEM radio will control the functions of the HD Tuner and the iPod through the buttons on the radio. Also for those radios that do not display text, the XIA-LCD display screen (sold separately), may be added to display the HD and iPod text information. The AHDI-D01 will either emulate a cd changer or a satellite tuner depending if the OEM radio is satellite ready. If the vehicle is equipped with either a factory cd changer or satellite tuner it must be disconnected. The General Motors radios vary in what buttons they have. This manual covers as many buttons as possible. The factory radio most likely will not have all the buttons listed, however, the definitions of the buttons displayed on the radio will still be valid.

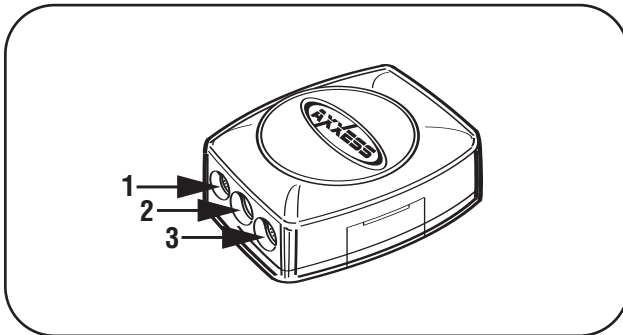
AHDH-GM1

* IMPORTANT WARNING

THIS PRODUCT INCLUDES INSTRUCTIONS FOR INSTALLATION WHICH MUST BE CAREFULLY FOLLOWED. THE INSTRUCTIONS ARE WORDED IN SUCH A MANNER TO ASSUME THAT THE INSTALLER IS CAPABLE OF COMPLETING THESE TYPE OF ELECTRONIC INSTALLATIONS. IF YOU ARE UNCLEAR AS TO WHAT YOU ARE INSTRUCTED TO DO OR BELIEVE THAT YOU DO NOT UNDERSTAND THE INSTRUCTIONS SO AS TO PROPERLY AND SAFELY COMPLETE THE INSTALLATION YOU SHOULD CONSULT A TECHNICIAN WHO DOES HAVE THIS KNOWLEDGE AND UNDERSTANDING. **FAILURE TO FOLLOW THESE INSTRUCTIONS CAREFULLY AND TO INSTALL THE INTERFACE AS DESCRIBED COULD CAUSE HARM TO THE VEHICLE OR TO SAFETY SYSTEMS ON THE VEHICLE. INTERFERENCE WITH CERTAIN SAFETY SYSTEMS COULD CAUSE HARM TO PERSONS AS WELL. IF YOU HAVE ANY QUESTIONS IN THIS REGARD PLEASE CALL THE HELP LINE OR THE METRA AT 1-800-221-0932 FOR ASSISTANCE.**

PORT OVERVIEW

- 1) This port is used with the optional XIA-LCD display.
- 2) This port is used with the HD cable included with AHDT-01 tuner.
- 3) This port is used with the iPod cable XIAH-IPC or the AUX IN cable XIAH-RCA.



AHDH-GM1

COMPATIBILITY:

- The OEM radio must be XM ready or have CD changer controls.
- If the vehicle is equipped with an in-dash 6 disc radio, the radio must have a "Band" button to be compatible.

BUICK

Allure 2005-07
Lacrosse 2005-07
Rainier 2004-07
Rendezvous 2002-05

CADILLAC

Escalade 2003-05
Escalade EXT 2003-05

CHEVROLET

Avalanche 2003-05
Blazer 2003-05
Cavalier 2003-05
Colorado 2004-08
Corvette 2005-07
Express 2003-05
Impala 2002-05
Malibu 2001-03
Malibu Classic 2004
Monte Carlo 2002-05
S-10 2003-05
Silverado 2003-05
SSR 2003-06
Suburban 2003-05
Tahoe 2003-06
Trailblazer 2002-05
Uplander 2005
Venture 2001-05

GMC

Canyon 2004-08
Envoy 2002-06
Savanna 2003-05
Sonoma 2003-05
Yukon/Yukon XL 2003-06

HUMMER

H2 2003-06
H3 2006-08

ISUZU

Ascender 2003-05
I Series Trucks 2006-08

OLDSMOBILE

Alero 2002-04
Bravada 2002-05

PONTIAC

Aztec 2002-04
Grand Am 2002-05
Grand Prix 2004-05
Montana 2002-05
Sunfire 2002-05
Torrent 2006

SATURN

Relay 2005-07

AHDH-GM1

AHDH-GM1 HARNESS PREPARATION

The AHDH-GM1 comes from the factory set in satellite radio mode. For most radios the satellite radio mode will be preferred, however some radios cannot display text on their screen, therefore CD changer mode will be needed. To change the harness into CD changer mode you will need to cut the **smaller** of the two Pink loops, the Pink wire going into pin 7 of the 20 way Molex plug.

For 2005-07 Corvette only

In the AHDH-GM1 harness there is a **Green/White** wire coming off the 20 way Molex connector going to the (2) 12 way connectors. In order for the interface to work properly in the 2005-07 Chevy Corvettes the Green/White wire needs to be cut in half near the 20 way Molex connector.

The **half coming from the 20 way Molex** needs to be extended and connected to the **Orange** wire in position **A1** of the 24 way connector that plugs into the OEM radio. Please use a multimeter to verify there is **NOT** 12 volts on that wire. There may be a couple of volts present but make sure it is not 12 volts.

The other half of the Green/White wire, which goes out to the (2) 12 way connectors, just needs to be taped up to prevent any short circuit.

FACTORY XM RADIO EQUIPPED VEHICLES

If your GM vehicle is equipped with a factory XM tuner please follow this section for interfacing with the OEM audio system. If not, you may skip to Final Connections.

There are two wires coming off the interface to vehicle T-harness, terminated with female insulated quick disconnects. These two wires will need to drive a relay to disable the OEM XM tuner when required. Listed below is the proper method:

- 1) Connect the two wires (yellow and green) from the AHDH-GM1 to terminals 86 and 85 of the coil of a SPDT relay. The relay should be physically located very close to the OEM XM tuner.
- 2) Locate the 12 volt power wire at the OEM XM tuner making sure to use a multimeter to verify function. It is typically orange in most GM applications. After identifying this wire, disconnect vehicles battery before proceeding.
- 3) Cut the wire identified in step 2 approximately 6 inches away from the OEM XM tuner.

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