USASPEC PA11-VW6 AUDI/VW iPod™ INTERFACE OWNER'S MANUAL

ABOUT THE PA11-VW6 INTERFACE

The PA11-VW6 interface connects the iPod directly to VW audio system and its on-board software translates commands from either your VW CD Changer controls into commands that the iPod understands. This interface enables the iPod to take place of a VW remotely mounted CD Changer and provides the following benefits:

- Direct connection of the iPod to VW vehicle audio system for optimum sound quality
- Control iPod playback with CD Changer buttons on car radio
- Direct access and control of up to 5 favorite playlist and/or direct control of the iPod using the iPod buttons.
- Charge the iPod internal battery --- and charging stops automatically at one hour after iPod is paused.
- Auxiliary audio input [connect additional audio device (SAT radio, DVD Player, Game system etc) and listed to it on the factory system)
- Plug-n-play: includes installation cable, mounting screws and owner's manual.
- **Retains factory SAT Radio.**

COMPATIBILITY

The PA11-VW interface is compatible with iPod (G3, G4, G5) iPod Mini, Nano, Photo, Video, iPhone, Classic, Touch models featuring a dock connector. Please visit www.apple.com/iPod and update the firmware on your iPod.

Note: The iPod Nano 3rd Generation, Touch, classic, touch, and iPhone are not fully compatible in Hybrid mode. (See below). The screen on these iPods will be locked and OK TO DISCONNECT will be displayed. Playlist on iPod can be accessed through the DISC button on the radio, but user can not operate the keys on the iPod when DIP switch #2 is set to "ON". These iPod's are fully compatible in Direct Mode.

Important: Display of artist, song title information, track search and artist, song title, album or genre is not displayed on the Audi/VW radio. Radio will show Track and disc number. (CD Changer display mode)

1. HYBRID MODE, DIRECT MODE AND AUX. OPTION

The PA11-FVW provides two ways to control your iPod through the car radio, namely **Hybrid Mode** and **Direct Mode.**
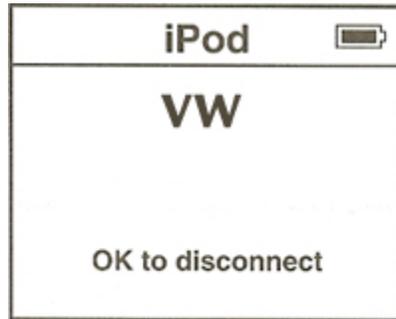
1. **DIRECT MODE**: Search and select music on the iPod directly just as you would in portable use. Music will playback through your car stereo. You may also use the track up/down, fast forward and reverse buttons on your radio or steering wheel to control music playback. All control functions on the iPod will still be available for direct control using the iPod buttons. Please see section 4 of this manual for additional information.

2. **HYBRID MODE**: Operate and control the iPod as if it was a CD Changer. This mode allows you to access up to five playlist on the iPod. The instructions for playlist creation and playback controls are available later on in this manual. Additionally, while in Hybrid Mode, the keypads and the display on the iPod function as if it was in Direct Mode or in portable use.

   If the playback of a Playlist is manually interrupted by using the iPod's key pad, and a song or music in a new category is played, the interface module memorizes the last played track number of the new category. "New category" means file, or folder, or playlist, or artist etc. which is different from the Playlist being played. When you return to the same DISC on the radio the interface module will use the "memorized" track number (note: just the track number, not the last played song in the new category) to playback the Playlist related to this DISC.

When the iPod is connected to the interface module, the ipod will take approximately 30 seconds to complete its external control mode configuration. During this period of time, the iPod screen display will continue to change until the configuration is completed.

While in Hybrid Mode, you can also fast forward or fast reverse the music track with the fast forward and fast reverse button on your radio.

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```
┌─────────────────────────┐
│   iPod          ▭▭▭│    │
├─────────────────────────┤
│                         │
│   VW                    │
│                         │
│                         │
│                         │
│   OK to disconnect      │
│                         │
└─────────────────────────┘
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Note: Disconnect the iPod from the PA11-VW before switching DIP switch #2 from one mode to the other.

3. <u>AUX ADDITIONAL "AUX INPUT OPTION" SELECTION</u>

PA11-VW6 interface adapter is also capable of connecting an Auxiliary audio source to your VW radio, including the iPod. The additional audio source connects to the RCA input jack marked "AUX AUDIO INPUT". If you choose to use the "AUX AUDIO INPUT", DIP switch #1 at the side of the interface box must be set to the "OFF" position (it is preset to "ON" at factory).

The audio source (XM radio, DVD player, MP3 Player, Game system etc.) connected to the "AUX AUDIO INPUT" can be accessed at CD 6 Track1 after selecting CD Changer mode on the VW radio. **CD 1 to CD4 are for accessing Playlist** and **CD 5 is for accessing all songs on the iPod.**

4. <u>AUXILIARY INPUT OPERATION</u>

If the "AUX AUDIO INPUT" option is selected, the radio will display "CD 6 Track 1" when DISC 6 button is pressed. Use "CD 6 Track 1" to access the audio source connected the "AUX AUDIO INPUT" port. Adjust VOLUME, BASS, and TREBLE etc. as you would normally do for the other program sources on the radio.

DIP Switch	Position	Function
#1	ON	RCA AUX input disabled
#1	OFF	RCA AUX input Enabled
#2	ON	Hybrid Mode Selected
#2	OFF	Direct Mode Selected

5. **CONNECTING & PLAYING THE iPod IN DIRECT MODE**

When the iPod is connected to the adapter the iPod screen will go blank for a few seconds before the normal screen returns. Set source to CD Changer on your radio, audio from your iPod will be played back at DISC 5 TRACK 1. Adjust VOLUME, BASS, TREBLE etc as you normally do for the other programs sources on the radio.

6. **CONNECTING & PLAYINGTHE iPod IN HYBRID MODE**

Connecting the iPod
Turn your VW radio ON before connecting your iPod. After connection, the iPod will take a few minutes to change to external control mode. The iPod screen will then show:

Selecting iPod Mode on VW Radio
Press the "CD" button repeatedly until "CD 6-x" appears on the display (x is the track number for the "Now Playing" song on iPod). This display confirms that iPod mode has been completely synchronized and active. Synchronization timing varies according to the number of playlist on your iPod. If the iPod was playing previous to turning the Radio's ACC power OFF, and the iPod was not disconnected, playback resumes from where it stopped.

Disconnecting iPod from the interface
If the iPod is disconnected during playback in iPod mode, the radio will automatically switch to AM/FM mode. After disconnecting, wait until the iPod screen changes from the External Control Mode screen back to the normal menu before attempting to reconnect to the interface.
Tip: If you press and hold the PLAY/PAUSE button on the iPod, you may get the normal iPod menu back faster.

Playing songs on the iPod
All audio tracks on your iPod will be played at DISC 6 if the AUX option is not selected. Track order is determined by the default order on your iPod. Selecting DISC 1 to DISC 5 on radio will allow playback of 5 playlist on the iPod if adapter' AUX option is not selected. Every time the iPod is connected to the interface, playback begins at the "Now Playing" song at DISC 6 by default.
If the iPod was playing any of its playlist right before connection, the same playlist will continue to play and repeated at DISC 6 and the iPod switches to "ALL" when the FF (►►) button is pressed.

Selecting a Playlist
Press DISC selection button on the radio to select a playlist. The selected playlist will begin playing and the playlist number and track number will be displayed. In rare cases, this may take up to a few seconds to complete synchronization. After playing the last song in the current playlist, playback will start again from the first track on this playlist.

PLAYLIST NAMING

Once the iPod™ or iPod™ mini is connected to your VW radio via the PA11-VW6, the iPod interface scans all available playlist on the iPod and looks for designated "VW" playlist which are created for direct access with the DISC buttons on the Volkswagen radio. The designated "VW" playlist relate to the DISC number in the following manner:
Preset #'s   Playlist(s) names
DISC1 "VW1"
DISC2 "VW2"
DISC3 "VW3"
DISC4 "VW4"
DISC5 "VW5"
DISC6 ALL SONGS on iPod

Naming a playlist in iTunes™ for your VW iPod interface must be exactly as shown. "VW" must be in capital letters and there can be no spaces between "VW" text and the "DISC" number. However, you may add any text after the correct name and number has been assigned. The following is an example of correct playlist naming with additional text:

DISC1 "VW1_Love"
DISC2 "VW2_Discount"
DISC3 "VW3_Car"
DISC4 "VW4_Stereo"
DISC5 "VW5_Service"

Note: If no designated "VW" playlist were created, the PA11-VW interface automatically relates the first five playlist on the iPod to DISC number 1 to 5 regardless of playlist naming.
If less than five designated "VW" playlist were created, the PA11-VW interface automatically fills up the rest of the DISC numbers beginning with the first available playlist on the iPod.
Example: If only three designated "VW1", "VW3" and "VW5" playlist were created, the DISC numbers on the radio would be:

DISC1   "VW1"
DISC2   (1st available playlist on the iPod)
DISC3   "VW3"
DISC4   (2nd available playlist on the iPod)
DISC5   "VW5"

Note: The PA11-VW does not recognize a playlist that contains no audio tracks regardless of playlist naming. The PA11-VW does not recognize the "On-The-Go" playlist on your iPod

PLAYBACK CONTROL FUNCTIONS
You can control playback with several functions. These functions are generally cancelled when you press select radio buttons; disconnect the iPod, or POWER OFF the radio or ACC.

Scan
Press the "SCAN" button, each track in the current playlist will play for 10 seconds. If "SCAN" is pressed at DISC 6, all songs on the iPod will be scanned.

Random (Shuffle)
Press the "RANDOM" button (RND) on the radio, songs within a playlist will playback in random order. The track number display will change to start from 1 as it does on the iPod. The radio will continue to play this way until "RND" is deactivated.

Repeat
Repeat of song being played is NOT supported.

Track Up/Down
Press the Track▲ button to advance to the next track in the playlist. Press the Track ▼ button to move to the beginning of the track being played. Press the track ▼ button twice to return to the previous track. If the track ▲ and track ▼ buttons are pressed quickly in repetition, the track numbers display may change unevenly. You may also hear short bits of audio during repeat presses of track up and track down buttons. There is no limit to the number of songs on a playlist, but the majority of Volkswagen radios currently displays a maximum of two digits for track number, so after track 99 the display will restart at 1 for example- Track number 100 displays as 01 track 101 displays as 02, track 102 as 03 …

Fast Track Search (x10)
Press the Fast Forward or Fast Reverse,(◄◄►►) the track in the playlist advances or decreases in increment of 10 (i.e. 04, 14, 24…). When you reach the end of the playlist, the search will stop at track 1, and then continue by increments of 10 (i.e. 19, 29, 1, 11).
Press and hold the Fast Forward or Fast Reverse button for more than 4 seconds; the search will jump to the last track or the first track of the playlist. If you are in scan mode, the mode will be cancelled.

CHANGING SOURCE TO AM/FM/CD/CASSETTE
when a source other than the iPod (i.e. Radio, Cassette etc) is selected on the radio, the iPod will
pause.

7. <u>INSTALLATION WITHOUT XM</u>

- Remove the radio [a VW radio removal tool (not included) may be required].
- Disconnect existing CD Changer from the radio if there is one
- Plug the round DIN plug on CAS-VW6 to PA11-VW6 adapter where it is labeled "RADIO"
- Plug the white (12-pin) or blue (8-pin) connector on CAS-VW6 to radio's CD Changer connector.
  (if a cd changer exists, disconnect it first)
- Connect the black color ground wire on CAS-VW6 cable to radio's metal chassis. (don't ignore
  this step)
- Connect the audio output of the auxiliary device to AUX input jack on PA11-VW if the additional
  AUX option is selected by setting DIP switch #1 to "OFF" (optional)
- Set DIP switch #2 to "OFF" only if "DIRECT MODE" is preferred.
- Plug CB-PA14 cable to PA11-VW6 adapter box labeled "iPod"
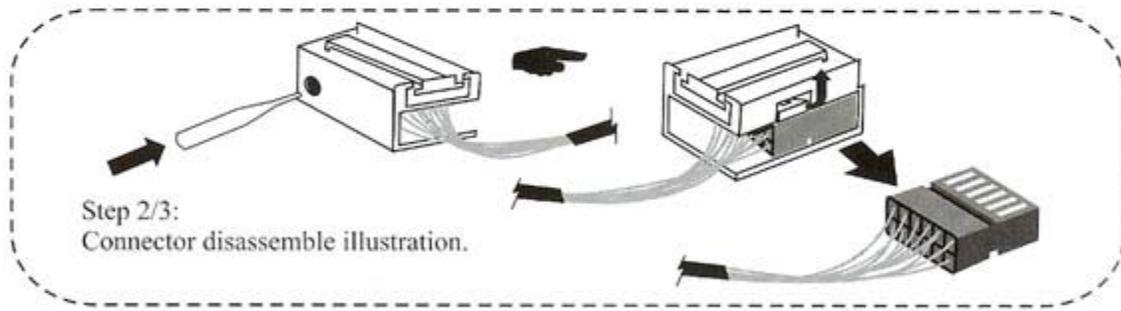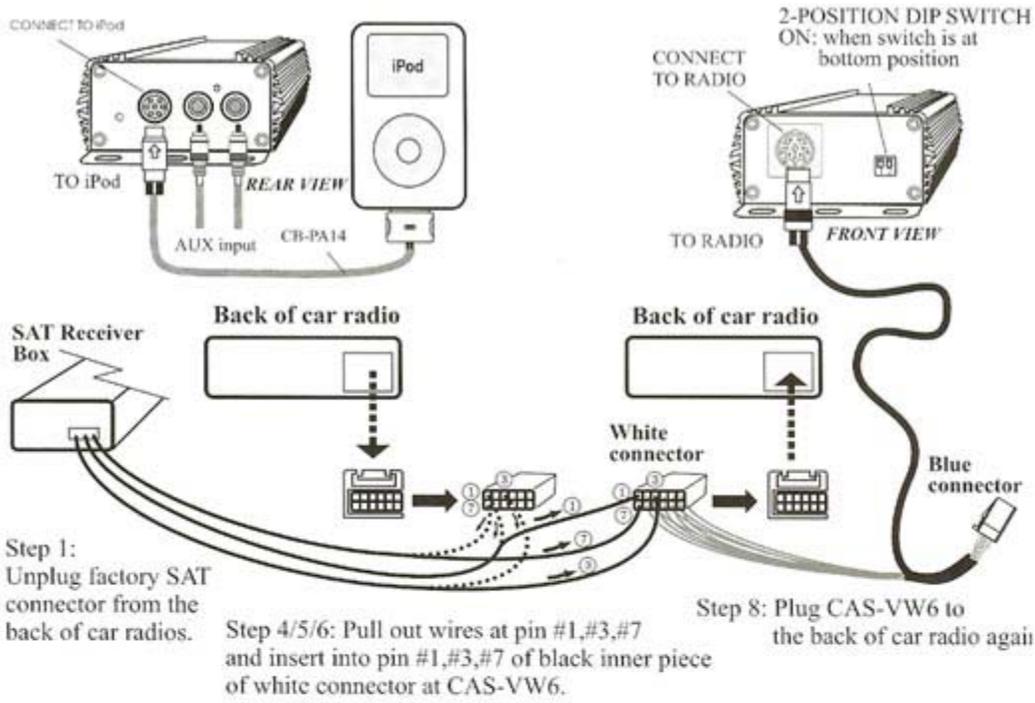- Reinstall the radio.

8. <u>INSTALLATION for vehicles equipped with XM</u>

To retain your factory SAT radio three wires on factory SAT connector need to be moved to the white
connector 12-pin connector supplied with the PA11-VW6 harness. Please follow below to accomplish
the installation.

- Unplug the 12-pin blue factory SAT connector at the back of the radio
- Reference the drawing below to disassemble the connector. Pushing the inner piece of the
  connector with a small tool through the open hole at the side of the connector. See fig below.
- Push the horizontal bar on the other side of the connector upward to release the latch. The
  inner piece of the connector will slide out.
- Reference the drawing below, pull out the wire at pin#1 on the factory SAT connector with a
  tool. Reference the drawing below, raise the key on the pin and insert it into pin #1 of white
  connector on USASPec harness.
- Reference the drawing below, pull out the wire at pin #3 on factory SAT connector with a tool.
  Reference the drawing below, raise the key on the pin and insert it into pin #3 of white
  connector on USASpec harness.
- Reference the drawing below, pull out the wire at pin #7 on factory SAT connector with a tool.
  Reference the drawing below, raise the key on the pin and insert it into pin #7 of white
  connector on USASpec harness.
- Assemble the white connector on USASpec harness by pushing the inner piece into the outer
  piece.
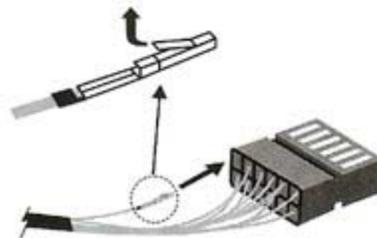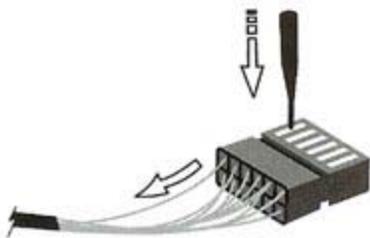- Plug the white connector on USASpec harness into the radio.

WARNING!!
Use only the iPod connection cable (part no. CB-PA14) included with the PA11-VW6 interface. IPod
connection cables from other sources may look similar, but using them may damage your iPod

CONNECT TO iPod

2-POSITION DIP SWITCH
ON: when switch is at
bottom position

CONNECT
TO RADIO

iPod

TO iPod   REAR VIEW

AUX input   CB-PA14

TO RADIO   FRONT VIEW

Back of car radio

Back of car radio

**SAT Receiver
Box**

White
connector

Blue
connector

Step 1:
Unplug factory SAT
connector from the
back of car radios.

Step 4/5/6: Pull out wires at pin #1,#3,#7
and insert into pin #1,#3,#7 of black inner piece
of white connector at CAS-VW6.

Step 8: Plug CAS-VW6 to
the back of car radio again

Step 2/3:
Connector disassemble illustration.

To pull out wires at pin #1, #3, #7:
pull the wire tight while press
the key by using a pinset as shown.

To insert the wires into pin #1, #3, #7:
raise the key up as shown,
then insert into the pin hole

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