

JENSEN®

VX3016

7.0" Single DIN Multimedia Receiver

AM-FM / DVD / Pandora / Bluetooth / iPhone® - iPod®/
Screen Mirroring / USB / AV In / Rear Camera In

Operation Manual

Thank you for choosing a Jensen product. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new Jensen VX3016 Mobile Multimedia Receiver for maximum enjoyment.

iPod® Control "iPod" is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

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FCC Statement

1. This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 centimeters between the radiator and your body.

"Made for iPod," and "Made for iPhone" mean that an electronic accessory (This head unit) has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.

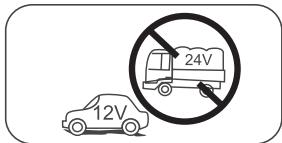
Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this head unit with iPod or iPhone may affect mobile phone performance.

iPhone and iPod are trademarks of Apple Inc., registered in the U.S. and other countries.

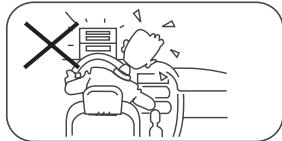
Safety Precautions

Please read through these operating instructions so you will know how to operate your model properly. After you've finished reading the instructions, keep this manual in a safe place for future reference.

Only connect the unit to a 12-volt power supply with negative grounding.



Never install this unit where the operation & condition for safe driving is impaired.



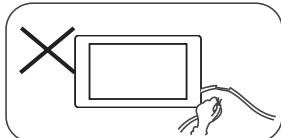
Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except for using rear view video camera.



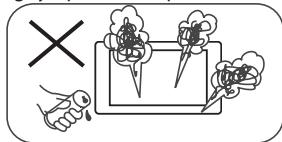
Never expose this unit, amplifier and speakers to moisture or water to prevent electric sparks or fire.



Please don't change the fuse on the power cord without professional guidance, using an improper fuse may cause damage to this unit or even cause fire.



Please contact your nearest dealer if one of the following symptoms is experienced:



- (a). Water or other objects enter the unit.
- (b). There is smoke.
- (c). Peculiar smell.

To ensure safe driving, please adjust the volume to a safe and comfortable level in case of emergency situations.

1.) Never disassemble or adjust the unit without any professional guidance. For details, please consult any professional car shop / dealer for inquiry.

2.) If the front panel or TFT monitor is dirty, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in damage to the monitor.

3.) If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found, please press the [RESET] key on the front panel to resume factory default.

4.) If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.

5.) Using the car heater in low temperature environment may result in moisture inside the unit, DO NOT use the unit in this situation. Eject the disc and wipe off the moisture on the disc. If the unit still doesn't work after a few hours, please contact the service center.

6.) Do not impact the LCD monitor which could cause damage.

7.) To prevent damage to the screen, avoid touching it with sharp objects.

8.) To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used. However, some illustrations are different from the actual images displayed on the screen.

9.) Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

FEATURES

Please read the instruction manual for this product before using. The documentation provided will allow the user to fully enjoy all the features of your new Jensen VX3016 Mobile Multimedia Receiver. Please read all of the instructions before beginning the installation and save this manual for future reference. We recommend having your Jensen VX3016 installed by a reputable installation shop.

DVD

- Audio Equalizer
- Next Chapter and Previous Chapter
- Play/Pause
- Track Direct Entry
- Disc Menu
- Selection Repeat / Track Repeat
- Disc Audio
- Disc Language
- Picture Control

CD / MP3 / WMA

- CD-Text Compatible
- ID3 Tag Compatible
- Audible Forward / Reverse Track Search
- Random, Repeat and Intro
- Play, Pause, Stop, Next Track and Previous Track

AM-FM Tuner

- Region Support: USA, Asia, Japan, Europe, Europe LW (Long Wave), Oirt and Brazil
- RBDS w/ Clock Time, Radio Text (RT), Program Service (PS) and Program Type (PTY)
- 30 Station Presets (18 FM / 12 AM)
- Auto Stereo / Mono
- Local / Distance
- Autostore

iPod®- iPhone®

- iPod®- iPhone® via USB
- High Speed Direct Connect Interface to Access iPod® Playlists, Artists, Albums and Songs.
- Power Management Charges iPod®/ iPhone® while Connected

Chassis

- 1.0 DIN Chassis
- Motorized Front Panel Screen
- 7.0" High Definition TFT LCD
- Resolution: 800h x 480v x RGB WVGA
- Beep Tone Confirmation

General

- Built-In Bluetooth Provides Hands-Free Operation for Safety / Convenience and Music Streaming from Your Smartphone.
- External Bluetooth Microphone For Best Voice Intelligibility
- Noise / Echo Canceling Circuitry
- One Composite Video Output for Additional Screens
- Front Panel Audio/Video Input
- 8 Band Equalizer w/ Subwoofer Crossover and Level Control
- Front Panel 3.5mm AV In and Rear Chassis RCA AV In
- Front, Rear and Subwoofer RCA Line Output - 4VRMS
- Rear Camera Input
- Touch Screen Calibration
- Rotary Encoder Audio Control (Volume Control)
- USB Fast Charge: 2.1 Amp
- LCD Screen Dimmer Circuit - Dims Screen at Night Automatically

REAR CAMERA

The VX3016 is "Camera Ready." Before accessing any camera features, you must purchase and install a rear video camera.

FRONT PANEL CONTROLS AND INDICATORS



VX3016 Controls and Indicators

Notice:

The graphic in this manual is for reference only, and may be different from the actual unit. Reference to actual unit is suggested.

1.) DISC SLOT: Accepts DVD/CD/MP3 discs. If the unit is turned on, playback begins when a disc is inserted.

2.) EJECT [▲] Button: Press this button to eject a DVD/CD/MP3 disc. Disc play is stopped, the disc is ejected and the unit will change to radio operation. If the disc is not removed from the unit and the button is pressed again, the disc will be re-loaded. If the disc is not removed from the disc slot within 10 seconds of being ejected, it will be automatically reloaded to prevent it from being accidentally damaged.

3.) MENU Button: Press the button to display the Main Touch Screen Source Menu. Press this button again to return to the selected source.

4.) ROTARY ENCODER / POWER ON-OFF: Press the rotary control to turn the unit ON. Rotate the control to adjust the volume from 0 to 40. Pressing the control momentarily will mute and un-mute the audio. Press and hold the control for 2 seconds to turn the unit OFF.

5.) RESET Button: Press this button to reset the system settings (except password and parental lock settings) and to correct a system halt or other illegal operation. Use the tip of a pen to press the Reset button.

6.) USB/AV CONNECTOR COVER: Covers the USB/AV interface connector.

7.) USB: Connect a USB device for playback of music /video files.

8.) AV INPUT: Connect compatible AV devices.

9.) IR REMOTE SENSOR: Used to receive command signals from the remote control.

10.) TFT MONITOR (Screen)



Remote Control Function Description

- SOURCE (SRC) Button:** Press this button to switch between and select available sources.
- EJECT Button (▲):** Press this button to eject a DVD/CD/MP3 disc. Disc play is stopped, the disc is ejected and the unit will change to radio operation. If the disc is not removed from the unit and the button is pressed again, the disc will be re-loaded. If the disc is not removed from the disc slot within 10 seconds of being ejected, it will be automatically reloaded to prevent it from being accidentally damaged.
- AUDIO Button:** Press to display and select the audio language in DVD mode. Each time the button is pressed, the language changes.
NOTE: The languages for audio vary from disc to disc.
- VOLUME Button (VOL + and -):** Press these buttons to increase or decrease the playback volume.
- BAND Button:** Press this button to select FM1, FM2, FM3, AM1 or AM2.
- REPEAT (RPT) Button:** Repeat playback.
- MUTE Button:** Press this button to turn the audio output ON and OFF.
- POWER Button (⊕):** Press this button to turn the unit ON and OFF.
- SUBTITLE Button:** Press to display and select the subtitle language in DVD mode. Each time the button is pressed, the subtitle language changes.
NOTE: The type and number of languages for subtitles vary from disc to disc.
- MENU Button:** Press this button to access the root menu of a DVD or CD during playback. The disc will return to normal playback and the root menu will disappear if no selection is made within 10 seconds.
- FAST FORWARD [▶▶] Button:** Press this button to forward Disc play 2x, 4x, 8x or 20x normal speed. Press this button while in Radio mode to search available radio station by increasing tuning frequency.

-
- 12. NEXT (▶▶I) Button:** Press this button to skip to the next chapter, track or song during playback of a disc. Press this button while in Radio mode to search available radio station by increasing tuning frequency.
- 13. PLAY / PAUSE (▶/II) Button:** Press this button to pause the playback of a disc. Press this button again to resume normal playback.
- 14. PREVIOUS (I◀◀) Button:** Press this button to go back to the previous chapter, track or song during playback of a disc. Press this button while in Radio mode to search available radio station by decreasing tuning frequency.
- 15. FAST REVERSE [◀◀] Button:** Press this button to reverse Disc play 2x, 4x, 8x or 20x normal speed. Press this button while in Radio mode to search available radio station by decreasing tuning frequency.
- 16. NUMBER Buttons (1-6):** Press these buttons to directly access the preset radio stations.
- 17. RANDOM (RDM) Button:** Press this button to play tracks or chapters in random order while playing a disc.

NOTES ON REMOTE CONTROL

- Aim the remote control at the TFT/screen.
- Remove the battery from the remote control or insert a battery insulator if the remote control will not be used for a month or longer.
- DO NOT store the remote control in direct sunlight or in a high temperature environment, or it may not function properly.
- The battery will last for 6 months under normal conditions. If the remote control does not work, please change the battery.
- Use lithium battery type CR2025 (3V) only.
- DO NOT recharge, disassemble, heat or expose the battery to fire.
- Insert the battery in the proper direction according to the (+) and (-) polarity marks.
- Store the battery in a place where children cannot reach it to avoid the risk of a choking accident.

QUICK START GUIDE

Turning the Unit ON-OFF

Press the front panel rotary control [] to turn the unit ON.

To turn the unit OFF, press and hold the rotary control [] for 2 seconds.

Selecting a Source

To access a source:

1. Momentarily press the front panel SRC button or touch the " < " back arrow in the top left-hand corner of the user interface in the currently selected source.



VX3016 Main Source Menu

2. Touch the desired source icon on one of the two main menu screens.
Source Menu 1 of 2: Radio, Disc, Pandora, USB, Bluetooth and Screen Mirroring.

Touch page arrow (>) at the bottom of the screen to access Source Menu 2 of 2: AV IN 1, AV IN 2, Camera and Settings.

Mute

Press the rotary control on the front panel or press the [MUTE] button on the remote control to mute the volume from the unit. Press again to un-mute.

Volume Adjustment

To increase or decrease the volume level, turn the rotary control on the front panel. When the volume level reaches "0" or "40", a beep sounds, indicating that the adjustment limit has been reached. The screen displays the volume level for 2 seconds.

Audible Beep Confirmation

An audible beep tone confirms each function selection. The beep tone can be disabled through the Setup menu.

Resetting the System

Soft Reset - To correct a system halt or other illegal operation, use the tip of a pen to press and release the Reset button located just below the front panel rotary control (volume) inside the USB cover.



[RESET] Button

System Reset Button

For a Hard Reset - Go to "Settings" > DVD tab > Load Factory > Reset. After a "System Reset", the unit will restore all default settings.

Change Aspect Ratio (DVD / AV In Sources Only)

Go to Settings > Video > Aspect Ratio > Full or Normal. Press "<" back arrow to return to previous menu.

Picture Settings (Brightness, Contrast and Saturation)

Go to Settings > Video > Picture Adjustment. Press + and - to adjust.

When playing a video, tap the screen and press "/ / More" button to access the pop-up menu. Press the icon that looks like a "light bulb" (💡) to access the picture settings. To exit, tap the screen outside of the pop-up adjust window or when no further adjustment is detected, the pop-up window will disappear after 10 seconds.

Equalizer Controls

Equalizer (EQ): Adjustments can be made after entering one of the audio/video sources (Disc, Radio, USB, AVIN 1, or AV IN 2) Touch the Equalizer (EQ) icon to view the Equalizer Control Screen to make adjustments to the audio Balance and Fader levels. Touch the return icon to return to the current source.

Playing a Disc

To begin playback of an Audio/Video Disc:

1. Press the front panel Power/Volume/Mute control knob to turn the unit ON.
2. Insert a disc with the label side facing UP and playback will begin automatically.

Parking Brake Inhibit

When the pink "Parking" wire is connected to the vehicle Parking Brake circuit, the front TFT monitor will display video when the Parking Brake is engaged.

SYSTEM SETTINGS

1. Press the Menu button to display the Main SRC Menu.
2. Touch the Settings icon [] and the Settings Menu is displayed.



General Settings

1. Touch [General], if necessary.
2. Touch to highlight a setting to display/select an option.

| General settings | Options | Description |
|------------------|---------------------------------------|-----------------------------------------------------------------------|
| Radio region | USA/Asia/Japan/Europe/Eur LW/ Oirt | Select one that matches your location. |
| Radio range | Local | Select Local to receive only stations with extremely strong signal. |
| | Distance | |
| Beep | On | Turn-ON the beep sound. Each time you press a button, the unit beeps. |
| | Off | Turn-OFF the beep sound. |
| Calibration | Start | Calibrate the touch screen. |
| Demo | On | Turn-ON Retail Demo Mode. |
| | Off | Turn-OFF Retail Demo Mode |

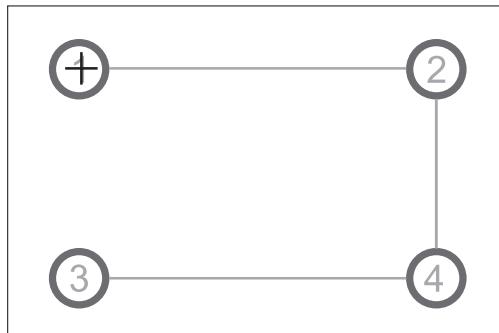
4. Touch the "<" Back arrow in the upper left corner of the display to exit.

Calibration

Calibrate the touch screen using the calibration setting function.

Recalibrating the Touch Screen:

1. Press the [Calibration] option on the setup menu to enter.
2. Touch [Yes] to enter.
3. Press and hold the center of [+] for 5 seconds, the [+] will move automatically.
4. Aim at center of [+], follow the path as shown in the figure. Once steps 1-4 are complete the system will automatically exit calibrating mode.



Calibration Screen

Video Settings

1. Touch [Video].
2. Touch an option repeatedly to select.

| Video settings | Options | Description |
|--------------------|---------|--------------------------------------------------|
| Aspect Ratio | Full | Adjust aspect ratio. |
| | Normal | |
| Picture Adjustment | | Brightness, Contrast and Saturation adjustments. |
| | | |

3. Touch the back arrow icon ("<") to exit and return to the previous screen.

Time Settings

1. Touch [Time].
2. Touch an option repeatedly to select:

| Sound settings | Options | Description |
|----------------|----------------------|-----------------------------------------------------------------------------------------------------|
| Date | Year / Mon / Day | Touch [▲] or [▼] to set year, month and day. |
| Clock Format | 12Hr/24Hr | Touch [12Hr] or [24Hr] to switch clock mode. |
| Time | Hour / Min / AM / PM | Touch [▲] or [▼] to set hour and minutes. Touch [▲] or [▼] to set AM/PM (only for 12Hr). |

3. Touch the back arrow icon ("<") to exit and return to the previous screen.

Audio Settings

1. Touch [Audio].
2. Touch an option repeatedly to select.

| Audio settings | Options | Description |
|------------------|---------|---------------------------------------------------------------------------------------------------|
| Subwoofer | ON | Turn ON the subwoofer output. |
| | OFF | Turn OFF the subwoofer output. |
| Subwoofer filter | 80Hz | Select a crossover frequency to set a cut-off frequency for the subwoofer's LPF (low-pass filter) |
| | 120Hz | |
| | 160Hz | |
| Loudness Switch | | Select low frequency boost. |
| | ON/OFF | |

3. Touch the back arrow icon ("<") to exit and return to the previous screen.

Language Settings

1. Touch [Language].
2. Touch an option repeatedly to select.

| Language settings | Description |
|-------------------|------------------------------------------------------------------------|
| OSD | Select on-screen display language. |
| DVD audio | Select DVD audio language. Options available depending on DVD disc. |
| DVD subtitle | Select DVD subtitle language. Options available depending on DVD disc. |
| Disc menu | Select DVD menu language. Options available depending on DVD disc. |

3. Touch the back arrow icon ("<") to exit and return to the previous screen.

Bluetooth Settings

1. Touch [Bluetooth].
2. Touch an option repeatedly to select.

| Bluetooth Settings | Options | Description |
|--------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Bluetooth | ON | Turn ON the Bluetooth function. |
| | OFF | Turn OFF the Bluetooth function. |
| Auto connect | ON | If the pre-paired device is within the effective range, the unit re-connects to pre-paired device automatically. |
| | OFF | Need to re-connect manually. |
| Auto answer | ON | Answer paired phone call automatically. |
| | OFF | Answer phone call manually. |
| Pairing code | Set the password for pairing the unit with other Bluetooth devices. | |

3. Touch the back arrow icon ("<") to exit and return to the previous screen.

DVD Rating (Video Tab)

1. Touch [DVD].
2. Touch an option repeatedly to select.

| DVD rating | Options | Description |
|--------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Set password | Set password to restrict the play of discs. The default password is 1234. | |
| Rating level | Kid safe | Acceptable for children. |
| | G | Acceptable for general viewers. |
| | PG | Parental guidance suggested. |
| | PG-13 | Unsuitable for children under age 13. |
| | PG-R | Recommend parents to restrict viewing for children under 17. |
| | R | Restricted re-parental guidance is advised for children under the age of 17. |
| | NC-17 | Unsuitable for children under age 17. |
| | Adult | Acceptable for adults only. |

| | |
|--------------|---------------------------------------------------------------------------------|
| Load factory | Restore to default settings. |
| Version Info | The Version menu is used to identify the model, hardware and software versions. |

3. Touch the back arrow icon ("<") to exit and return to the previous screen.

Adjust Source Volumes (Relative Level)

You can set different relative volumes for different sources.

1. Touch the [Volume] icon to display and access the Volume Setting Sub-Menu
2. Touch the source to be adjusted.
3. Touch a number 0 thru 6 to assign a new volume setting. Default is "3", which is 0dB. Setting "0" is -3dB. Setting "6" is +3dB.
4. Touch the back arrow icon ("<") to exit and return to the previous screen.



AM-FM RADIO CONTROLS

Select Radio as Playing Source

Open the SOURCE MENU and touch [Radio].

Selecting a Radio Band

Press the BAND button on the remote control or touch the BAND icon on the user interface to select one radio band among FM1, FM2, FM3, AM1 and AM2.

Tuning AM-FM Stations

Seek Tuning

Press the [$\blacktriangleright\!\!\!$] / [$\blacktriangleleft\!\!\!$] Buttons on the remote control or touch the [$\blacktriangleright\!\!\!$] / [$\blacktriangleleft\!\!\!$] icons on the user interface to Seek the next / previous radio station.

To stop searching, repeat the operation above or press other buttons having radio functions.

NOTE: When a station is received, searching stops and the station is played.

Manual Tuning

Method 1:

Press and hold [$\blacktriangleright\!\!\!$] or [$\blacktriangleleft\!\!\!$] icon for 1 second to enter manual tuning mode and increment one frequency step. Press [$\blacktriangleright\!\!\!$] or [$\blacktriangleleft\!\!\!$] again to increment to the next frequency step. Continue this method until the desired frequency is tuned in. Manual Tuning mode will time out after 5 seconds if no other input is detected.

Method 2:

1. Touch the " \wedge / More" icon to access the pop-up menu. Press "Direct Entry" to access the keyboard. Input desired station frequency.
2. Touch [Delete] to delete the input numbers step by step.
3. Touch [**OK**] to enter.

Preset Stations

The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; hence the unit can store 30 stations in total.

Storing Radio Stations in Memory

1. Tune to a desired station.
2. Touch and hold one of the presets (1 to 6) to save the selected station.

AutoStore (AS)

Touch AUTOSTORE to search radio stations and store the 6 strongest stations in the current band automatically.

Recalling a Station

1. Select a band.
2. Touch an on-screen preset button to select the corresponding stored station.

Local / Distance

When the Local function is on, only radio stations with a strong local radio signal are played. To activate the Local function in the AM/FM tuner mode, touch [...] / MORE on the screen. The Options tab is revealed. Choose Radio Local or Distance. When the Local function is active, LOCAL will appear on the screen. When the Distant function is active, DISTANCE will appear on the screen.

EQ Selection

Touch [...] / MORE and the Option menu is displayed. Touch EQ to enter EQ settings.

RBDS (Radio Broadcast Data System)

RBDS transmits data to the radio which displays information such as station identification, song artist, and song title.

RBDS service availability varies with areas/regions. If RBDS service is not available in your area, the following service will not be available.

Adjust RBDS Settings

1. In Radio menu, touch [...] / MORE. The Option menu is displayed.
2. Touch on the selected option to change the setting:
 - [CT]: Turn on or off "Clock Time" synchronization function.
 - [PTY]: Show PTY list.

CT (Clock Time)

Some stations broadcast the time and date within the encoded RBDS signal. The clock time is automatically adjusted when "CT" is set to ON.

Note: Stations broadcasting close to time zones may not broadcast the correct time in your particular area. In this case, turn CT Off and manually set the time.

PTY (Program Type)

PTY is the function that displays the program category of the current station such as category (news, sports, talk etc.) Use the scroll bar to select various category codes.

Once a category code is selected the PTY options will display on the screen.

When one PTY option is touched (e.g. News), auto search for next available PTY by increasing tuning frequency until the PTY of the next station matches the current. If no matched PTY has been found, the unit will return to the original radio frequency.

PLAYBACK OF AUDIO FILES

Compatible Audio Discs Types

This system will play the following types of discs:

- DVD - DVDs that contain audio and/or video.
- Audio discs - Audio CD's that contain audio files.
- MP3 discs - A disc that contains audio, video and image files (for example, a CD-R with downloaded MP3 files).

NOTE: This unit is designed to play pre-recorded (original) CD/DVDs. Some burned CD / DVDs may not play due to different recording formats.

DVD Operation

DVD Main Menu

NOTE: When properly installed, DVD video cannot be displayed on the main TFT screen unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays:

Warning!!!

It is illegal to view video
while driving or operating a
motor vehicle. Set parking
brake to view video.

From the Main Menu Screen touch the DISC Icon or insert a disc into the disc slot, label side up. Playback begins when a disc is inserted correctly.

Insert a disc

Upon inserting a disc, the unit will switch to [DISP] mode automatically.

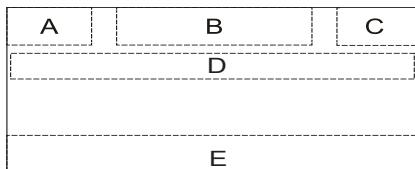
Eject The Disc

Press the [\blacktriangle] key on the front panel or remote control to eject the disc.

Touch Screen Controls

The touch key areas for DVD playback are outlined below:

- A: Return to the main menu
- B: Disc type
- C: Time display
- D: Play the video and display playback information
- E: Display onscreen control menu



Screen Control Areas

Controlling Playback

To access the on-screen controls, touch the screen anywhere except for the upper left corner and touch again to cancel display.

Connecting a USB Device

1. Open the USB door.
2. Connect a USB device into the USB connector. Play starts automatically.

NOTES:

- 1. If there are audio files supported on the USB stick, the system will enter the audio files menu automatically.**
If there are no audio files, but there are video files supported on the USB stick, the system will enter the video files menu automatically.
If there are no audio or video files, but there are picture files supported on the USB stick, the system will enter the picture files menu automatically.
If there are no audio/video/picture files supported on the USB stick, the screen will display: There are no audio/video/picture files supported.
- 2. Not all USB devices are compatible with the unit.**

Play

Once a disc, or a USB device is inserted, play starts automatically.

Pause

When playing audio/video files, press the [▶/II] key on the remote control or open the on-screen control icons menu and then touch the [▶/II] icon, press the [▶/II] again and continue to play.

Stop

For audio files or video files, press the Stop button on the remote control or open the on-screen control icons menu and then touch the Stop icon to stop playback.

Press the [▶/II] to resume from the pause point.

Touch the Stop icon again to stop entirely or press the Stop button on the remote control.

Previous/Next

Touch [◀◀] / [▶▶] key on the screen to skip to previous / next track / chapter.

Search for a Folder

For Folder Control

1. Touch [📁] to display all available folders.
2. Touch a folder, then touch the desired file .
3. Touch the file again to start play.

For Audio Files

1. Touch [🎵] to display all available audio folders.
2. Touch a folder, then touch the desired file .
3. Touch the file again to start play.

Video Files

1. Touch Video icon [] to display all available video folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

Picture Files

1. Touch Picture icon [] to display all available picture folders.
2. Touch a folder, then touch the desired file.
3. Touch the file again to start play.

Repeat Playback

Press the Repeat [**RPT**] Button on the remote control or open the on-screen control icons menu and then touch the Repeat[] icon to switch the repeat modes as below:

| Disc type | Repeat mode |
|--------------|---------------------------------------------------------|
| DVD | Repeat chapter → Repeat title → Repeat all → Repeat off |
| VCD(PBC off) | Repeat one → Repeat all → Repeat off |
| CD | Repeat one → Repeat all → Repeat off |
| MP3/WMA | Repeat one → Repeat folder → Repeat all → Repeat off |
| MPEG | Repeat one → Repeat folder → Repeat all → Repeat off |
| Picture | Repeat one → Repeat folder → Repeat all → Repeat off |

Repeat Mode

Random Play

You can play audio tracks/files in random order. During play, press the [RDM] key on the remote control repeatedly to turn Random play ON or OFF.

NOTE: When [RDM] is off, the unit resumes play from the current sequence.

Select Audio Mode

When playing DVD's, the user can select an audio mode (R/L/Stereo).

1. During playback, touch the bottom half of the screen to display menu on the screen.
2. Touch the More icon [⋮] to display the 2nd menu.
3. Touch the Audio icon [▶◀] repeatedly until the audio mode is selected.

Select Subtitle Language

For DVD discs that contain two or more subtitle languages.

1. During play, touch the screen to display menu on the screen.
2. Touch the More icon[⋮] to display the 2nd menu.
3. Touch the Language icon [💬] repeatedly to select a language. The selected language is displayed.

Change Viewing Angle (Not Supported On All Models)

Some DVDs contain alternate scenes, such as scenes recorded from different camera angles.

For such DVDs, you can select from the available alternate scenes.

1. During playback, touch the screen to display menu on the screen.
2. Press the Angle icon [\square°] repeatedly on the remote control. The viewing angle is changed.

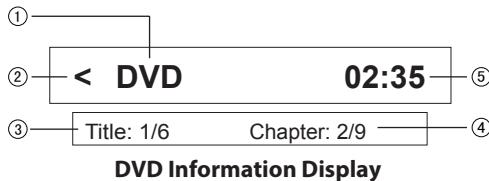
Picture Adjustment

Touch the Settings icon [⚙] to access video setup mode, touch left or right direction icons [◀]/[▶] to set the desired effect. You may set the brightness, contrast, and saturation of the video output from 1 to 24.

Playback Information

Touch the screen during playback of a DVD or VCD disc and the playback information will be displayed on the top area of the TFT.

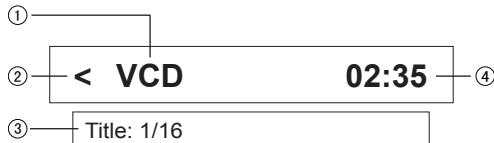
For DVD



1. Disc type.
2. Return to the main menu.
3. DVD Title information. "1/6" indicates that this DVD has 6 titles and the title playing back now is the first title.
4. DVD Chapter information. "2/9" indicates that current title has 9 chapters and the chapter playing back now is the fifth chapter.
5. Time display.

For VCD

1. Disc type.
2. Return to the main menu.
3. VCD Track information. "1/16" indicates that this VCD has 16 tracks and the track playing back now is the first title.
4. Time display.



VCD Information Display

Elapsed Time

1. Elapsed time of the current track.
2. Total time of the current track.



Elapsed Time Display

Direct Track Entry

To select a track directly, touch the " \wedge / More" icon to display the pop-up menu. Press the Direct Entry icon. Enter the desired track using the on-screen number pad. Press [OK] to the selected track.

General Disc Information

Disc Properties

| Symbol | 12cm Disc Properties | Max Play Time |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|  | Single side single layer (DVD-5) Single side double layer (DVD-9) Double side single layer (DVD-10) Double side double layer (DVD-18) | (MPEG 2 Method) 133 minutes 242 minutes 266 minutes 484 minutes |
|  | Single side single layer (VCD) | (MPEG 1 Method) 74 minutes |
|  | Single side single layer | 74 minutes |

Disc Symbols

| Symbol | Meaning |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Number of voice languages recorded. The number inside the icon indicates the number languages on the disc (maximum of 8). |
|  | Number of subtitle languages available on the disc (maximum of 32). |
|  | Number of angles provided (maximum of 9). |
|  | Aspect ratios available. "LB" stands for Letter Box and "PS" stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video. |
|  | Indicates the region code where the disc can be played. <ul style="list-style-type: none"> Region 1: USA, Canada, East Pacific Ocean Islands Region 2: Japan, Western Europe, Northern Europe, Egypt, South Africa, Middle East Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia Region 4: Australia, New Zealand, Middle and South America, South Pacific Ocean Islands / Oceania Region 5: Russia, Mongolia, India, Middle Asia, Eastern Europe, North Korea, North Africa, North-West Asia Region 6: Mainland China ALL (0): All regions |

EQUALIZER CONTROLS

Adjusting Equalizer Controls

The Equalizer adjustment screen allows the user to easily adjust the audio tone controls to suite individual listener preferences.

Source Tone Memory

Each source adjusts the EQ independently. This allows you to set the EQ to suite individual source preferences.

Note: Set the EQ controls for the most natural sound.

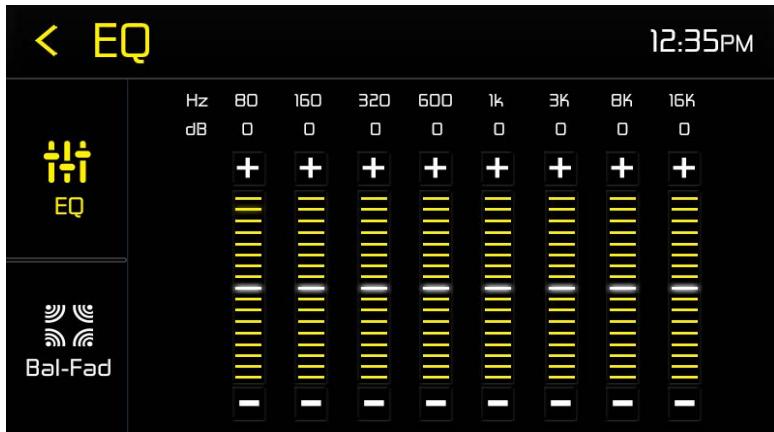
The Balance / Fader level options of a selected audio / video source (Disc, Radio, USB, AV IN 1, or AV IN 2, etc) are adjusted through the Equalizer adjustment screen.

Equalizer (EQ)

Touch the Equalizer (EQ) icon to view and select the EQ settings.

The following equalizer frequencies are available for adjustment: 80Hz, 160Hz, 320Hz, 600Hz, 1kHz, 3kHz, 8kHz and 16kHz.

An adjustment range of +16dB to -16dB is available for each frequency band.



Adjusting the Fader and Balance

The user can adjust front/rear fader settings, L/R balance settings, and subwoofer levels here.

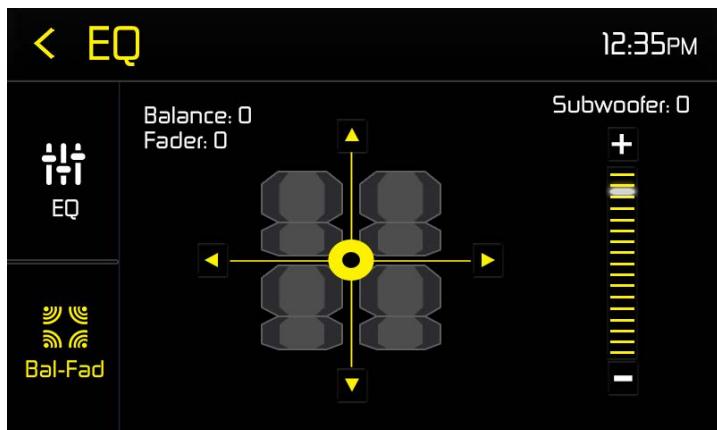
1. Enter the EQ setup mode.
2. Touch the [] icon in the EQ interface menu.

Balance - This feature is used to balance the audio output levels between the left and right side of the vehicle. Touch the **◀** or **▶** icons to change the balance control settings -14 (Left) to +14 (Right). The setting can also be changed by touching screen within the grid to move the blue sphere.

Fader - This feature is used to fade the audio output levels between the front and rear of the vehicle. Touch the **▲** or **▼** icons to change the fade control settings -14 (Rear) to +14 (Front). The setting can also be changed by touching screen within the grid to move the blue sphere.

Sub (Subwoofer) - This feature is used to reduce or increase the subwoofer sound level. Touch the slide bar **◀** or **▶** icons to adjust the subwoofer volume from -8 to +8. This setting will vary depending on the input level setting of your subwoofer amplifier.

To exit Balance-Fader, touch the return icon on the top left corner of the screen.



iPod® / iPhone® CONTROLS

Accessing iPod® Mode

The user can control an iPod® / iPhone® using the touch screen to access albums, songs, etc.

The unit will automatically switch to iPod® mode when an iPod® or iPhone® is plugged into the front panel USB connector. Also the iPod® can be accessed from the Main Menu Screen by touching the iPod® icon (only available when an iPod® or iPhone® is connected to the front panel USB connector)

NOTE: For audio connectivity, the iPod® / iPhone® must be connected to the VX3016 using the iPod® / iPhone® adapter cable that came with the iPod / iPhone device (also available separately). Be sure your iPod® / iPhone® has the latest Apple firmware installed to avoid connectivity issues

iPod®/iPhone® Main Menu

To access the iPod® mode touch [iPod] on the main menu to enter iPod® menu. Access iPod menu from here. Touch ▲ or ▼ icons to browse menu.

Note: Video cannot be viewed using the standard Apple Lightning cable.

The on-screen icons and touch key areas are outlined below;

SRC Icon - Touch this icon to return to the Main Menu Screen.

iPod - Displays the current source.

Track Number - Lists the current audio track playing and the total number of audio tracks in audio mode. Lists the current video folder and the total number of video folders in video mode.

Time Display - This indicator displays the time as entered by the user in the Settings Menu.

More (▲/▼) - Touch the ▲/▼ icons to display the next or previous page of the iPod® menu.

(◀◀) Previous - Touch this icon to play the previous track.

(▶/⏸) Play/Pause - Touch this icon to begin playback. Touch this icon again to

pause playback.

(▶▷) **Next** - Touch this icon to play the next track.

List - Touch this icon to access the list of audio files contained on the iPod®. Touch a folder icon and the contents of the folder will be displayed. Touch a desired track icon twice and the track will begin playing.

(🔀) **Shuffle** - Touch this icon to play audio or video tracks in a random order. The icon will light on the main TFT LCD screen.

(🔁) **Repeat** - In audio mode touch this icon to repeat playback of the current audio track. The icon on the TFT will display and a small letter "A" will appear below the icon and all the audio tracks will repeat. Touch this icon again and single track will repeat. The icon on the TFT will display and small number "1" will appear below the icon. Touch the icon again the repeat function will be cancelled. The icon on the main TFT LCD screen will dim and playback of the remainder of the tracks will resume.

(EQ) **Equalizer** - Touch this icon to access the Equalizer Control Menu. (See "Adjusting Equalizer Controls")

Direct Entry - Touch this icon to display the Direct Entry Screen.

iPod® List

Touching the List icon will display the iPod® List Screen. The iPod® List Screen illustrates the audio files present in the iPod®. The contents are divided into folders and various file types. The file types consist of audio files. Touching the folder icon will display the files present in the folder.

(♫) **Audio Files** - Touch the audio file icon to display the audio file. Touch the audio file icon to select a track. Touch the audio file icon again to confirm and playback will begin.

(🖼) **Image Files (JPEG etc)** - Image files are selected and controlled by the iPod®.

(📁) **Folders** - Touch the icon to display the folder/file hierarchy. Touch the folder

Moving Through Tracks

Touch the Next (▶▷) icon to advance to the next track on the iPod®.

Touch the Previous (◀◀) icon to move to the previous track on the iPod®.

Pausing Playback

Touch the Play/Pause (▶⏸) icon to suspend or resume playback.

PANDORA® RADIO OPERATION

Pandora Radio is available on your iPhone® - iPod® touch via USB cable or an Android™ device via Bluetooth. Data usage may occur.

Note: Pandora is available in the United States, Australia and New Zealand.

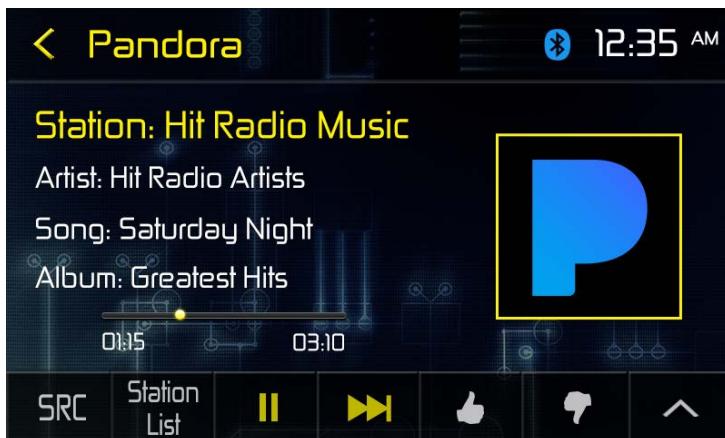
Note: The Pandora Radio app must be installed on your iPhone®- iPod® touch or Android device. For iPod®- iPhone® connectivity, you can use the cable that comes with your Apple device for audio connectivity. To play Pandora Radio using an Android device, it is necessary to pair your mobile phone via Bluetooth to the VX3016. A cable connection for Pandora via Android is not supported.

To Launch Pandora Radio

1. Launch the Pandora app on the iPhone®, iPod® or Android device and login to your Pandora account.
2. For Apple devices, connect the USB cable to the VX3016, then select Pandora from the Main Source Menu.
3. For Android devices, connect your smartphone via Bluetooth to the VX3016, then select Pandora from the Main Source Menu.

Pandora Radio

The on-screen indicators and touch key areas for Pandora Radio functions are outlined below.



Pandora User Interface

SRC Icon - Touch this icon to return to the Main Menu Screen.

Pandora - Displays the current source.

Time Display - This indicator displays the time as entered by the user in the Settings Menu.

Pandora Radio Information Display - Displays the Pandora station, artist, song, and album information.

Elapsed Time Indicator - Displays the elapsed and total playing time of the current track playing.

Pandora Preview Window - Displays album art, if available.

More ▲ - Touch to display the Bookmark sub menu (Artist / Track).

Pandora Icon Functions

(■ / ►) **Pause / Play Icon** - Touch the ■ icon to pause playback. Touch the ► icon to begin playback.

(►►) **Next Icon** - Press this icon skip a song, subject to the skip limit.

(👉) **Thumbs Up** - Press thumbs up to tell Pandora you like the track currently playing, and Pandora will play more tracks like it.

(👈) **Thumbs Down** - Press thumbs down to tell Pandora not to play this track.

Pandora will skip to the next track. If the skip limit has been reached, Pandora will continue to play but your feedback will be recorded.

Station List - Press this icon to access the Station List screen.

Station List Screen

The Station List screen allows you to search for music by stations you created.

1. Touch a station on the list to choose that station.
2. Touch the scroll down arrow to view the next page in the list or the scroll up arrow to view the previous page.
3. Touch the "Return to Now Playing" icon to return to the Pandora Radio user interface screen.

Bookmarks

1. Touch the "Λ / More" icon to access the pop-up menu.
2. Touch the Bookmark Track icon to bookmark a track.
3. Touch the Bookmark Artist icon to bookmark an artist.
4. Touch the "Λ / More" icon to return to the Pandora Radio user interface screen.



Bookmark Sub Menu

To Stop Pandora Radio

Exit the Pandora app on your smartphone.

Pandora Error Messages

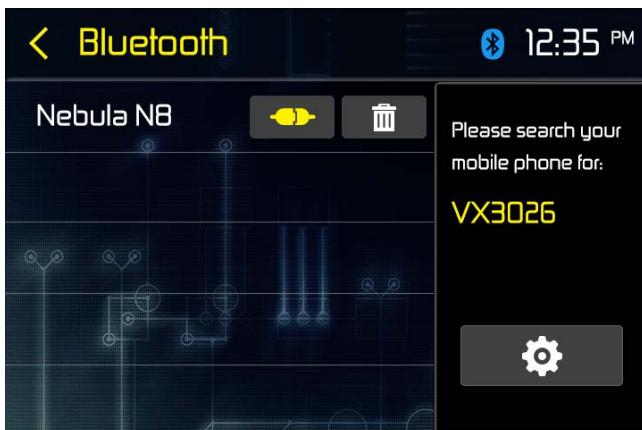
| Message Displayed | Cause | Corrective Action |
|------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| BookMark Track Error | Software Error | The track could not be bookmarked, please try again in a moment. |
| BookMark Artist Error | Software Error | The song could not be bookmarked, please try again in a moment. |
| Thumbs Up / Down Error "Error Track Rating" | Software Error | Song feedback could not be sent, please try again in a moment. |
| No Active Station Error | Software Error | This account has no stations in it. Please visit Pandora.com and login to your account and add stations. |
| Skip Limit Reached | Software Error | Please note that Pandora limits skips to a maximum of six skips per station, per hour. |

BLUETOOTH OPERATION

NOTE: The line-of-sight distance between this unit and your mobile phone must be 8 feet (2.4 meters) or less for sending and receiving voice and data via Bluetooth wireless technology.

Please make sure your mobile phone supports Bluetooth functions (Headset or handsfree profiles or both). Adhere to the following guidelines for successful operation.

- Before using Bluetooth functions, you must pair your mobile phone to the VX3016 unit (see "Pairing the Bluetooth system with your mobile phone and unit"). To ensure the best reception for pairing and re-connection, please make sure the mobile phone battery is fully charged before you begin.
- Try to perform pairing within a few minutes of the mobile phone being turned on.
- Once the unit has been paired with the mobile phone, the unit's model number, "VX3016", will be displayed on the mobile phone.
- To achieve the best performance, always keep the mobile phone within 10 feet (3 meters) of the unit.
- Always keep a clear path between the mobile phone and the unit. Never place a metal object or any other obstacle between the mobile phone and the unit.
- Some mobile phones may have a "Power Saving Mode" option. PLEASE DO NOT use the power saving mode with the VX3016.
- Before accepting or making a call, make sure your mobile phone's "Bluetooth function" is turned on.
- To ensure the best conversation quality/performance, stay within 3 feet (1 meter) of the units microphone when talking.
- To manually disconnect the mobile phone from the unit, touch the "Link" icon on the Bluetooth user interface (next to the mobile phone name) and the Bluetooth device will be "disconnected", but still paired.



The user can make or receive phone calls with Bluetooth enabled phones through the unit.

Pairing Bluetooth Devices

To connect your Bluetooth phone to the unit, the user needs to pair the phone to the unit. Pairing only needs to be done once per phone. **The user can pair up to five (5) phones.** Use your mobile phone to begin the Bluetooth pairing process:

1. Turn ON the Bluetooth function on the device/mobile phone.
2. Search for Bluetooth devices using your mobile phone.
3. Select the Bluetooth device ID "VX3016" in the pairing list.
4. Enter default password "5309".

NOTES:

- The operational range between this unit and a Bluetooth device is approximately 5 meters.
- Before you connect a Bluetooth device to this unit, familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth devices is not guaranteed.
- Any obstacle between this unit and a Bluetooth device can reduce the operational range.
- Keep this unit away from any other electronic device that may cause interference.

Disconnecting a Bluetooth Device

To disconnect one device, touch [Disconnect]. After "Disconnect" is pressed, the radio will display a screen listing paired devices. Pressing the "Connect" icon will reconnect a previously paired phone to the VX3016. Pressing the "Waste Bin" icon next to a device's name will unpair the phone from the radio.

NOTES.

- The device will be disconnected when the device is moved beyond the operational range.
- If you want to reconnect the device to the unit, place it within operational range.
- If you do not want to reconnect the device to the unit automatically, touch [Options], then set [Auto connect] to [OFF].
For details, see the "Adjust Bluetooth Settings" section.

Making a Call

1. Select Bluetooth function in the home menu.
2. Press "Option". Go to > "Phone Synch". Press "Synch" to import the mobile phone contacts. If you have many contacts, this may take up to 3-4 minutes initially. **Up to 1000 contacts can be imported.**
3. Search for phone number from the following list:

[Phone Book]
[Call Log]
[Missed calls]
[Received calls]
[Dialed calls]

Or touch the number pad directly, then touch [] to dial.

Receiving a Call

By default, all incoming calls are received automatically.

1. If there is an incoming call, the screen will display "Incoming call...".
2. Touch the screen to select [hang up] or [Answer].

Speak into the microphone.

Tip

You can select to receive calls manually by setting
[Auto Answer] to [OFF]

Adjust Bluetooth Settings

1. In the Bluetooth user interface, press the Settings icon. The option menu is displayed.
2. Touch on the selected option to change the setting.
 - Bluetooth: Turn the "Bluetooth" function ON or OFF.
 - Auto connect: Turn the "Auto Connect" function ON or OFF .
 - Auto answer: Turn the "Auto Answer" function ON or OFF .
 - Pairing code: Change paring code. Default code is: 5309
 - Phone synch: Synchronize phone book. Touch "Synch" on the sub menu.
 - Synch "Phone" or "SIM" card will display.

PTT (Push to Talk) Function

The VX3016 has a PTT button to allow you to access Siri or Google Voice through the head unit when connected via Bluetooth. Your mobile phone must support Siri or Google Voice in order for this feature to be supported on the head unit.

NOTE: Samsung "S" Voice and other third-party apps may not be supported.

Bluetooth Music Function

Bluetooth provides an Advanced Audio Distribution Profile (A2DP) profile for streaming music from a mobile phone or a portable multimedia player (PMP), sometimes referred to as a MP3 player.

NOTE: Please quit A2DP mode before attempting to make a phone call, as unexpected results may occur depending on your mobile phone model.

AVRCP is an abbreviation for Audio/Video Remote Control Profile. Mobile phones supporting this function can control the playback of a Bluetooth audio player.

The unit can control a Bluetooth audio player via Advanced Audio Distribution Profile (A2DP) or Audio/Video Remote Control Profile (AVRCP). Bluetooth audio players (or Bluetooth adapters) compatible with these profiles can be connected to this unit.

While listening to music from any source, the user can make a phone call by pressing the number keys on the mobile phone. The unit will stop playing music and the TFT screen will display "Calling", after the call received, the voice will be transferred to the unit. When the call ends, the screen will display music playing menu.

If there is an incoming phone call, the music will stop, and the screen will display "Incoming". When the call ends, the screen will display music playing menu.

Using a Smartphone via Screen Mirroring

What is HDMI/MHL (Screen Mirroring)? HDMI (High Definition Multimedia Interface) is a digital interface for audio and video sources. HDMI is a digital replacement for analog video standards.

Mobile High-Definition Link (MHL) is an industry standard for a mobile audio video interface that allows consumers to connect mobile phones, tablets, and other portable consumer electronics (CE) devices to high-definition televisions (HDTVs) and mobile multimedia receivers.

Screen Mirroring allows you to use the multimedia TFT touch screen to control your mobile device.

Note: It may not be legal to view apps on a smartphone while driving or controlling a vehicle. It is the drivers responsibility to obey local and federal laws while driving or controlling a vehicle.

Interfacing your Smartphone - Android

Depending on your model and brand of smartphone Screen Mirroring may not be supported. Check your smartphone documentation for supported features. Android smartphones will require an app that must be downloaded from Google Play Store. Search for "Jensen Screen Mirroring" in the search bar.

Note: In order to connect your smartphone to your VX3016, you will need an HDMI/MHL adapter for your particular brand of smartphone. In some cases, you may need to connect the additional micro USB port (On the adapter itself) to a power source in order for the HDMI/MHL adapter to function properly.

Smartphone HDMI/MHL adapters are available at your local mobile phone retailer. For example, if you have a Samsung S3/S4 or Note 2, you would buy the below HDMI/MHL adapter:

Samsung ET-H10FAUWESTA Micro USB to HDMI
1080P HDTV Adapter Cable
For Samsung Galaxy S3/S4 and Note 2

Smartphone brands are usually only compatible with the same brand of HDMI / MHL adapter.

Interfacing your Smartphone - iPhone 7® / iPhone 7 Plus® / iPhone 6® / iPhone 6 Plus® / iPhone 5® / iPhone 5S® / iPhone 5C®

Note: In order to connect your smartphone to your VX3016, you will need the "Apple Lightning Digital AV Adapter" (HDMI adapter). No app or software is needed for Apple devices.

Apple adapters are available at your local Apple retailer.

Mirror Mode (Android and Apple Devices)

Mirror Mode allows the image from the smartphone to be displayed on the larger head unit screen. There is no touch screen control from the head unit screen. You must control the apps from the smartphone.

Mirror Mode w/ Touch Screen Control (Android Only)

Mirror Mode w/ Touch Screen control allows the image from the smartphone to be displayed on the larger head unit screen as well as full touch screen control of the smartphone screen from the head unit.

Note: All apps may not be supported / displayed when connected via Screen Mirroring.

General

1. Some devices (smartphones) may not be compatible with HDMI/MHL connectivity.
2. Incoming calls or messages may pause media output. Media will resume after the call or message.
3. Simultaneously running multiple apps on your smartphone while screen sharing places heavy demand on the smartphone, potentially affecting its performance. Close unused apps on your smartphone to enhance the screen sharing feature of the VX3016.
4. If you are having trouble seeing your smartphone display on the head unit screen, try connecting your smartphone (With HDMI/MHL adapter) to another device such as a flat panel TV with HDMI input. If you cannot see the smartphone display on the flat panel TV, the smartphone does not support Screen Mirroring.

Connecting Your Smartphone

1. Jensen Screen Mirroring (SP) app Installation Procedure

Download and install the Jensen Screen Mirroring (SP) app from Google Play onto your smartphone.

2. Smartphone / Head Unit Bluetooth Connection

In order to have full touch screen control from the head unit screen (via the Screen Mirroring (SP) app), a Bluetooth connection is required between your smartphone and head unit. Refer to the head unit / smartphone documentation for further information on pairing / connecting devices.

3. Connect Your Smartphone

Most Android smartphones will require an HDMI/MHL adapter in addition to an HDMI cable with 2 Type A male connectors. These adapters are available at smartphone retail stores. See head unit documentation for more information about HDMI/MHL adapters. Connect your smartphone to the HDMI/MHL adapter. Connect one end of the HDMI cable to the HDMI/MHL adapter. Connect the remaining end of the HDMI cable to the Jensen multimedia head unit HDMI input (Rear chassis panel). Consult your smartphone documentation for instructions on how to access HDMI/MHL on your device.

4. Touch Screen Calibration Start

Launch the Screen Mirroring (SP) app on your smartphone. Using the head unit touch screen, go to Settings in the Screen Mirroring (SP) app . Scroll down slightly, and press the Touch Screen Calibration "Start" button.

5. Touch Screen Calibration

Once the touch screen is calibrated, scroll up, and press System Settings to return to the main Screen Mirroring page. Press Mobile Home Page to access your smartphone from the touch screen of the Jensen multimedia head unit. Touch the Car Home Page to return to the Main Source Menu of the head unit. This calibration is performed once per phone when initially set-up.

DMH25J HDMI WiFi Adapter

Mirror Mode (One -Way Control - Apple / Android)

Mirror Mode does not need any app support. Simply connecting the DMH25J to the VX3016 and establishing a WiFi connection is all that is needed.

Mirror Mode w/ Touch Screen Control (Two-Way Control - Android Only)

Mirror Mode w/ Touch Screen Control will require an app to be downloaded from Google Play Store. Search for "Jensen Screen Mirroring (SP) app .

Bluetooth Connection for Two-Way Control

Once the Jensen Screen Mirroring (SP) app is downloaded;

1. Establish a Bluetooth connection between your smartphone and the VX3016.
2. Open the Jensen Screen Mirroring (SP) app on your smartphone.
3. Open the Settings Menu in the Screen Mirroring (SP) app and press Touch Screen Calibration "Start" button.
4. Following the on-screen prompts.
5. Once the touch screen is calibrated, press System Settings to return to the main Screen Mirroring page.
6. Press "Home Page" to access your smartphone screen.

Please refer to the instructions that come with the DMH25J for installation and connectivity information.

Notes and information on DMH25J installation;

1. The VX3016 uses a chassis mount HDMI connector. Do not connect the DMH25J directly to the VX3016 rear chassis HDMI connector or damage to the DMH25J or VX3016 may occur. Use the short HDMI extension cable (that is included) to connect the DMH25J and VX3016.
2. Power should be provided through the HDMI connector/cable to the DMH25J. However, if the blue LED indicator does not light up (on the DMH25J) connect a microUSB cable from the DMH25J to a USB port so power can be provided to the DMH25J.
3. Try and locate the DMH25J as far away as possible from metal objects in the vehicle. The DMH25J is a transceiver and close proximity to metal and other objects may affect its performance.

AV In 1 / AV In 2

AV In 1

AV In 1 is used for playback of audio/video from an external device connected to the unit through a 3.5mm connector located on the front panel.

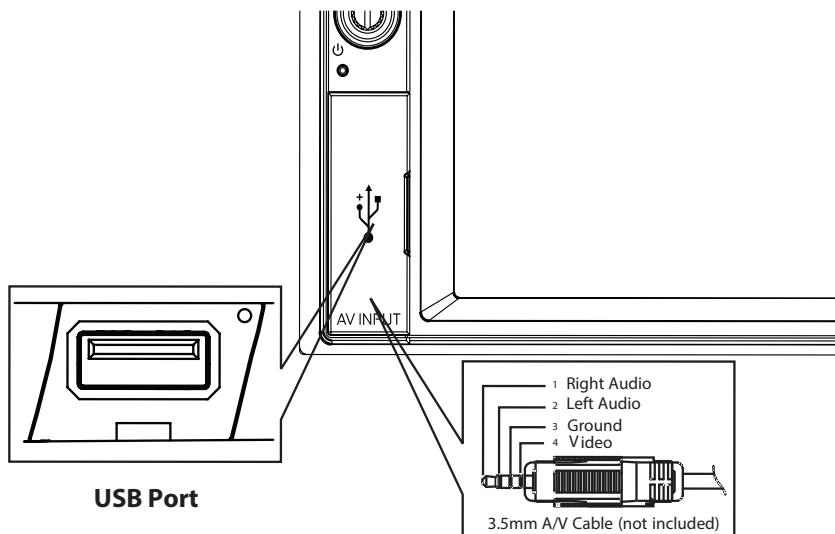
AV In 2

AV-In 2 is used for playback of audio/video from an external device connected through RCA connectors located on the back of the unit. You can connect an external audio/video device to the unit.

1. Connect the external device with an appropriate AV cable.
2. Touch the upper left corner to display the main menu.
3. Touch [AV In 1] / [AV In 2] to access externally connected device(s).

NOTE: Audio / Video devices must be connected to this unit using an audio / video adapter cable that is available separately.

NOTE: Video will only play when the vehicle parking brake is engaged. The parking brake wire must be connected for video to be displayed.



Connecting External Devices

SWC Ready

The built-in SWC interface is compatible with PAC steering wheel control modules. The PAC SWI-RC is recommended.

A third-party SWC adapter **must** be used in order for the VX3016 to be compatible with any steering wheel controls.

Note:

Not all OE steering wheel functions may be supported by the VX3016. PTT - Will activate Siri / Google Voice if mobile phone supports the feature. Not compatible with all phones / vehicles.

The following controls are available for most vehicles:

| | | | |
|--------------------|---------------|-------------------|-------------|
| 1. Volume Up (+) | 4. Preset (+) | 7. Seek / Track + | 10. BT Send |
| 2. Volume Down (-) | 5. Preset (-) | 8. Seek / Track - | 11. BT End |
| 3. Mute | 6. Source | 9. Band | 12. PTT |

PAC SWI-RC Installation Tips

1. Set "Radio Select Switch". Set the SWI-RC to position 7 - "Pioneer/Other/Sony".
2. Programming - Use the Pioneer/Sony/Other radio function mapping order for Jensen branded head units.
3. When programming the SWI-RC, if a function is not supported (or not desired), then the function **MUST** be skipped as per the PAC SWI-RC instructions.
4. The SWC function **MUST** be programmed in the correct order per the PAC SWI-RC radio function mapping order instructions.

| SWI-RC (5VDC Reference) | | |
|-------------------------|-----------------------------------------|-----------------|
| Function Mapping | Center Pin Voltage (Function Select) | Tip Pin Voltage |
| Volume + | H 5.0v | 2.89 |
| Volume - | H 5.0v | 3.40 |
| Mute | H 5.0v | 1.37 |
| Preset + | L 0.0v | 2.15 |
| Preset - | L 0.0v | 2.56 |
| Source | H 5.0v | 0.79 |
| Seek + / Track + | H 5.0v | 2.15 |
| Seek - / Track - | H 5.0v | 2.56 |
| Band | H 5.0v | 3.94 |
| BT Answer Call | L 0.0v | 1.37 |
| BT End Call | L 0.0v | 1.79 |
| PTT / Voice Activation | L 0.0v | 3.94 |

REAR CAMERA OPERATION

This unit is "Camera Ready." Before accessing any camera features, you must install a rear video camera (Sold separately).

When the rear camera is installed, a rear view image of what is behind the vehicle will appear "on screen" when the vehicle is placed in reverse gear. When shifting out of reverse gear, the screen will display the previously selected source.

Troubleshooting

| Problem | Cause | Corrective action |
|--------------------------------------------------|------------------------------------------------------|------------------------------------------------|
| General | | |
| Unit cannot power on | Unit fuse blown. | Install new fuse with correct rating. |
| | Car battery fuse blown. | Install new fuse with correct rating. |
| | Illegal operation | Reset the unit. |
| Remote control does not work | Battery depleted. | Change the battery. |
| | Battery installed incorrectly. | Install the battery correctly. |
| No/low audio output | Improper audio output connection. | Check wiring and correct. |
| | Volume set too low. | Increase volume level. |
| | Speakers damaged. | Replace speakers. |
| | Heavily biased volume balance. | Adjust the channel balance to center position. |
| | Speaker wiring is in contact with metal part of car. | Insulate all speaker wiring connections. |
| Poor sound quality or distortion | Pirate disc is in use. | Use original disc. |
| | Speaker power rating does not match unit. | Replace speakers. |
| | Wrong connections. | Check wiring and correct. |
| | Speaker is shorted. | Check wiring and correct. |
| Unit resets itself when engine is off | Incorrect connection between ACC and BATT. | Check wiring and correct. |
| TFT monitor | | |
| Warning information is shown at all times | Parking brake wiring is not correct. | Check wiring and correct. |
| Flashing image or interference appears on screen | Pirate disc is in use. | Use original disc. |
| | Video cable damaged. | Replace cables. |
| | Improper video signal connections. | Check wiring and correct. |

Troubleshooting (Continued)

| Problem | Cause | Corrective action |
|----------------------------------------------------------|---------------------------------------------------|----------------------------------------|
| Disc playback | | |
| Cannot insert disc | A disc is inside the unit already. | Eject current disc and insert new one. |
| Disc does not play back | Disc is warped or scratched. | Use disc in good condition. |
| | Disc is dirty or wet. | Clean disc with soft cloth. |
| | Incompatible disc is used. | Use compatible disc. |
| | Disc is inserted upside down. | Insert disc with label side up. |
| | Disc region code is not compatible with unit. | Use disc with proper region code. |
| PBC cannot be used during VCD playback | PBC is not available on the disc. | Use disc with PBC available. |
| Repeat or search function is invalid during VCD playback | PBC is on. | Turn PBC off. |
| Error messages | | |
| No disc | Disc is dirty. | Clean disc with soft cloth. |
| | Disc is upside down. | Insert disc with label side up. |
| | No disc inside. | Insert disc. |
| Bad disc | Disc is dirty. | Clean disc with soft cloth. |
| | Disc is upside down. | Insert disc with label side up. |
| Unknown disc | Disc format is not compatible with this unit. | Use disc with compatible format. |
| Region Error | DVD region code is not compatible with this unit. | Use disc with compatible region code. |

SPECIFICATIONS

DVD/CD Player

Compatible Disc Media: DVD±R / RW (Single and Dual Layer) and CD-R / RW
Compatible Media Formats: CD-DA, MP3, WMA, VCD, SVCD, Xvid, AVI, MPEG 1/2
Signal to Noise Ratio: >96dBA
Dynamic Range: >95dB
Frequency Response: 20Hz to 20kHz, -3dB
Channel Separation: > 62dB @ 1kHz
D/A Converter: Cirrus Logic CS4361 24-Bit, 192kHz

Video Input

Format: NTSC, PAL (Auto-Detection)
Output: 1Vp-p (75-ohm)
Input: 1Vp-p (75-ohm)

FM Tuner

Tuning Range: 87.5MHz - 107.9MHz
Mono Sensitivity (-30dB): 9dBf
Quieting Sensitivity (-50dB): 15dBf
Alternate Channel Selectivity: 70dB
Signal to Noise Ratio @ 1 kHz: 58dB
Image Rejection: 80dB
Stereo Separation @ 1 kHz: >30dB
Frequency Response: 30Hz - 15kHz, -3dB

AM Tuner

Tuning Range: 530kHz - 1720kHz
Sensitivity (-20dB): 15uV
Signal to Noise Ratio @ 1kHz: 50dB
Image Rejection: 60dB
Frequency Response: 50Hz - 2kHz, -3dB

TFT Monitor

Screen Size: 7" (Measured Diagonally), 16:9 Widescreen
Screen Type: TFT LCD, LED Backlight
Resolution: 800h x 480v x RGB WVGA

General

AV (Audio) Input Impedance: 10kOhm

Power Supply: 11 to 16VDC, Negative Ground

Power Antenna / Amp Remote (Blue): 500mA Max (Current Limited Protection)

Operating Temperature: 0C ~ 65C / 32F ~ 149F

Fuse: 15 Amp, ATO Type

Chassis Dimensions: 7" x 7" x 4" (178mm x 178mm x 50mm)

CEA Power Ratings



Power Output: 13 Watts RMS x 4 Channels Into 4-Ohms @ < 1% THD+N

Signal to Noise Ratio: 70dBA Below Reference (Reference: 1 Watt, 4-Ohms)

Frequency Response: 20Hz - 20kHz, -3dB. (Aux Input Used as Reference Input)

Reference Supply Voltage: 14.4VDC

*Specifications Subject to Change Without Notice.

Care and Maintenance

1. Use only a clean silicone cloth and neutral detergent to clean the front panel or monitor. A rough cloth and non-neutral detergent (such as alcohol) may result in scratching or discoloration.
2. Do not get water or cleaning fluids on the unit.
3. If the temperature inside the player gets too hot, a protective circuit automatically stops play of the disc. If this occurs, allow the unit to cool before operating the player again.
4. Never insert anything other than a 12 cm (5") compact disc into the player as the mechanism can be damaged by foreign objects.
5. Do not attempt to use a 8 cm (3") CD-Single disc in this unit, either with or without an adapter, as damage to the player and/or disc may occur. Such damage is not covered by the Warranty on this product.
6. The CD player may not operate properly in extreme hot or cold. If such conditions occur, allow the interior of the vehicle to reach a normal temperature before using player.
7. When the vehicle warms up during cold weather or under damp conditions, condensation may appear on the LCD panel. Should this occur, the screen will not operate properly until the moisture has evaporated.
8. We suggest you use a cleaning disc in this unit more frequently than in the unit in your home due to the environmental conditions of the vehicle.

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Heathrow, FL 32746

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VX3016 Common Replacement Parts

| | |
|-------------------------------------------------------|----------|
| Wire Harness (Pwr/Spk/Line Out/ Bluetooth Microphone) | 30313990 |
| Trim Ring | 30413940 |
| Remote Control | 30714230 |
| Hardware Kit | 30513940 |
| 1.0 DIN Mounting Sleeve | 30113940 |

Operation manuals and other material online at: www.jensenmobile.com

