

RoadTrip

Family Entertainment System /Elite

by VIZUALOGIC
The Best Seat Entertainment Company



ELITE
OWNER'S MANUAL

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Operating Instructions

Welcome

- Thanks for purchasing Seat Back Monitor with Universal Stanchion Mount. This manual will help you use the exactly features of your new monitor.
- Please read all safety and operating instructions in this manual carefully, and keep this manual for future reference.

Safety Instructions

Be sure to observe the following instructions and precautions to ensure safe using of this monitor. If you or other third parties use this product in a non-correctly way and cause the product breakdown or damage, as to law, there is no responsibility for compensation. DVS will not be responsible for it, please understanding.



CAUTION:

This symbol means "Please be sure to observe."
Failure to heed them can result in injury or material property damage.

Do not repair, alter or disassemble by yourself.

Doing so may result in an accident, fire or electric shock. Consult a retailer or service technician for inspections and repairs, if maintenance is needed.

Halt use immediately if an unusual states appears.

Failure to do so may cause personal injury or damage to the product. Return it to your authorized dealer or nearest service center for repairing.

Keep fingers away while the motorized front panel or moving monitor is in motion.

Failure to do so may result in personal injury or damage to the product.

Do not strike or make this monitor drops strongly.

Doing so may result in personal injury or slash.

Do not leave the disc in the car or the unit for a long time.

Never expose the disc to direct sunlight. Heat and humidity may damage the disc and you may not be able to play it again.



WARNING:

This symbol means "Forbids this behavior."
Failure to heed them can result in serious injury or death.

Do not operate any function that takes your attention away from safety driving your vehicles.

Any function that requires driver's prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.

Do not touch the screen when meet a strike strongly.

If liquid crystal touches hands, feet or clothes incautious, please wash with the neutral detergent or consult a physician if necessary.

Do not expose this monitor to high humidity levels.

Failure to do so may result in fire or electric shock.

Do not expose this monitor to dripping or splashing.

Doing so may result in electric shock.

Do not operate this monitor with wet hands.

Failure to do so may result in electric shock.

Do not use this monitor again when the power cord is damaged.

Doing so may result in fire or electric shock.

Use only in cars with A 12 Volt negative ground.

(Check with your dealer if you are not sure.)

Use for other than its designed application may result in fire, electric shock or other injury.

Keep small objects such as batteries out of the reach of children.

Swallowing them may result in serious injury.

If swallowed, consult a physician immediately.

Do not block vents or radiator panels.

Doing so may cause heat to build up inside and may result in fire.

Do not place hands, fingers or foreign objects in insertion slots or gaps.

Failure to do so may result in personal injury or damage to the product.

Operating Instructions

PRECAUTIONS

Please read all safety and operating instructions in this manual carefully, and keep this manual for future reference.

Personal Safety

- The back seat passenger must fasten the seatbelt while operating this monitor.
- Do not insert the USB or Memory Card while driving. Failure to do so may result in personal injury.



Temperature

Do not operate your unit in ambient temperature above +50°C (+122°F) or below 0°C (32°F).

Product Cleaning

Use a soft dry cloth for periodic cleaning of the product. For more severe stains, please dampen the cloth with water only. Anything else has the chance of dissolving the paint or damaging the plastic.



Installation

- Please inquire to your retailing shop to contact the specialized engineer or technical staff for installation.
- Be sure to comply with this manual while connecting the cables. Failure to do so may result in damage to the product.
- Be sure the stability of the signal cable while installing. Failure to do so may cause fire or electric shock due to the wear of the signal cable.
- Be sure to collect the cables well after installation. Failure to do so may cause fire or electric shock.

Maintenance

If you have problems, do not attempt to repair the unit by yourself. Doing so may result in personal injury or damage to the product. Return it to your retailing shop for repairing.


Characteristics of LCD Panel

- After turning the system off, a slight ghost of the image will remain temporarily. This is an effect peculiar to LCD technology and is normal.
- Under cold temperature conditions, the screen may lose contrast temporarily. After a short warm-up period, it will return to normal.
- The LCD panel is manufactured using an extremely high precision manufacturing technology. Its effective pixel ratio is over 99.99%. This means that 0.01% of the pixels could be either always ON or OFF.


Using the remote control

- Point the remote control at the remote sensors within 2 meters.
- It may not be possible to operate the remote control if the remote control sensor is exposed to direct sunlight or interfere with objects.

Inserting & Ejecting Discs

- Be sure to switch to DVD source before loading and Unloading Discs.
- Make sure the label side is facing you when you insert the disc.
- Press  to eject any disc that is inserted incorrectly.
- Do not attempt to insert a disc into the unit when the unit power is off.
- Your player accepts only one disc at a time for playback. Do not attempt to load more than one disc.
- Playing a disc while driving on a very bumpy road may result in skips, but this will not scratch the disc or damage the player.
- Do not grip or pull out the disc while it is being pulled back into the player by the automatic reloading mechanism.



- As a protective measure to prevent the disc from jamming, press  to eject any disc with irregular surface or inserted incorrectly.

Damage Discs

Do not attempt to play cracked, warped, or damaged discs. Playing a bad disc could severely damage the playback mechanism.

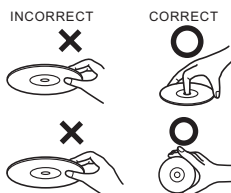
Irregular Shaped Discs

Be sure to use round shaped discs only for this unit and never use any special shaped discs. Use of special shaped discs may cause damage to the mechanism.



Correct Handling

- Do not drop the disc while handling.
- Hold the disc so you will not leave fingerprints on the surface.
- Do not affix tape, paper, or gummed labels to the disc.
- Do not write on the disc.



Getting Started

Disc Cleaning

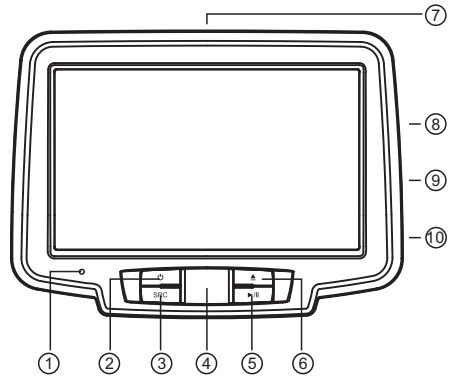
Fingerprints, dust, or soil on the surface of the disc could cause the player to skip. For routine cleaning, wipe the playing surface with a clean, soft cloth from the center of the disc to the outer edge. If the surface is heavily soiled, dampen a clean, soft cloth in a solution of mild neutral detergent before cleaning the disc.



On handling compact (CD/CD-R/CD-RW)

- Do not touch the surface.
- Do not expose the disc to direct sunlight.
- Do not affix stickers or labels.
- Clean the disc when it is dusty.
- Make sure that the disc is smooth and flat.
- Do not use commercially available disc accessories.

Monitor Function Overview



① Auto Dimmer Sensor

② POWER

- Press PWR button to turn on or off the unit.

③ SOURCE

- Press SOURCE button to switch the display source.
DVD / AV 1 / AV 2

④ IR Receiver

The receiving angle is about 20 degrees and the receiving distance is about 2M.

⑤ PLAY / PAUSE

- Press once to start playing. Press twice to pause playing.

⑥ EJECT

- Press EJECT button to stop playing and eject the disc.

⑦ Disc - In Slot

(DVD / DVD-R / DVD-RW / DVD+R / DVD+RW / VCD / CD-ROM / CD-RW)


⑧ USB Port (MP3 / WMA / AVI / JPEG)

⑨ Memory Card Reader (SD / MS / MMC)

⑩ AV Input (AV 3 / Game Port)

Getting Started

When Using the Remote Control

**CAUTION**

- Point the remote control at the remote sensors within 2 meters.
- It may not be possible to operate the remote control if the remote control sensor is exposed to direct sunlight or interfere with objects.
- The remote control is a small, lightweight precision device. To avoid damage, short battery life, operational errors and poor response, observe the following.
 - Do not subject the remote control to excessive shock.
 - Do not put in a trouser pocket.
 - Keep away from food, moisture and dirt.
 - Do not place in direct sunshine.
- Remove the battery if it's not being used for a long time.
- Batteries contain chemical substance, so they should be disposed of properly.

Battery Replacement

1. Opening the battery case.

Pull up the battery cover.

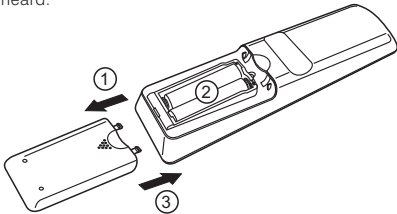
2. Replacing the battery.

Place two AAA batteries into the battery compartment of the remote control, making sure that the battery polarity is correct.


- *Battery type : AAA battery or equivalent.*
- *Placing a battery in backwards way may cause a malfunction.*

3. Closing the cover.

Push the battery cover as illustrated until a click is heard.

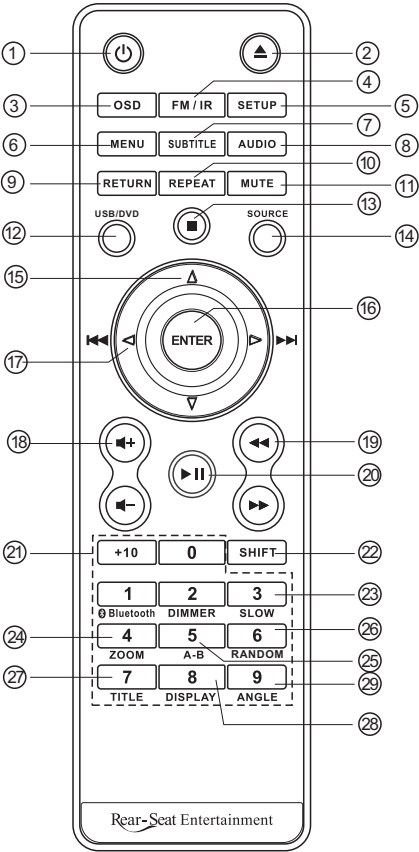


Remote Control Function Overview


































**WARNING**

Do not operate any function that takes your attention away from safety driving your vehicle.

Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.





Getting Started

1		Power	Switch monitor power ON/OFF
2		Eject	Stop playback and eject the disc.
3	OSD	OSD Menu	Enter or exit on-screen display menu system.
4	FM / IR	FM Modulator	(1) Press Once : Switch FM ON/OFF. (87.7MHz to 89.9MHz)
		IR Sensor	(2) Press Twice : Switch IR A/ B/ OFF.
		Speaker (Option)	(3) Press Third : Switch Speaker ON/OFF.
5	SETUP	DVD Setup Menu	Enter or exit the disc DVD setup menu.
6	MENU	Disc Menu	Return to disc contents menu. (For VCD with PBC feature, PBC must be turned off.)
7	SUBTITLE	Subtitle	Select desired subtitle to display.
8	AUDIO	Audio	Select desired audio language to display.
9	RETURN	Return	Return to the previous display.
10	REPEAT	Repeat	Select desired repeat mode.
			(1) DVD Disc : Chapter → Title → All → Repeat Off (2) CD/ VCD Disc : Track → All → Off
11	MUTE	Mute	Disable or enable audio output.
12	USB/DVD	USB / DVD	Switch DVD / USB / Memory Card mode.
13		Stop Playback	(1) Press Once: PRE-STOP disc playback. (2) Press Twice : STOP playback completely.
14	SOURCE	Display Source	Switch display source. (DVD → AV 1 → AV 2)
15	  	Cursor Buttons	Move between the function items in the menu.
16	ENTER	Enter	Determine an operation or item.
17	 	Skip Backward / Forward	Skip to the previous or next chapter / title / track.
18	VOL+ VOL-	Volume Increase / Decrease	Increase / Decrease volume.
19	 	Search Backward / Forward	Select desired search backward / forward speed.
			 2X →  4X →  8X →  16X →  32X →   2X →  4X →  8X →  16X →  32X → 
20		Play/Pause	(1) Press Once : Start playback. (2) Press Twice : Pause playback.
21	0 ~ +10	Number Key Pad	Press number key pad to input data for disc.
22	SHIFT	Shift	Switch Number / Function mode.
23	SLOW (3)	Slow (3)	Select different slow playback modes for a VCD/DVD.  1/2 →  1/4 →  1/8 →  1/16 →  1/2 →  1/4 →  1/8 →  1/16 → 
24	ZOOM (4)	Zoom (4)	Enlarge a picture or active image on the screen. 2X → 3X → 4X → 1/2 → 1/3 → 1/4 → 
25	A-B (5)	A-B (5)	Repeat playback of a specific section within a chapter of DVD or a track.
26	RANDOM (6)	Random (6)	Select to playback the chapter/ track randomly.
27	TITLE (7)	Title (7)	Go to disc title.
28	DISPLAY (8)	Display (8)	Display current information during playback.
29	ANGLE (9)	Angle (9)	Select desired viewing angle. (If a DVD disc contains multi-angle feature, viewing angles may be selected.)
			※JPEG: Change the browsing effects during playback.

Basic Operations

Turning Power ON/ OFF

1. Press  to turn ON.
2. To turn off the power, press and hold  again.

Loading Discs/ Unloading Discs

Turn on the power before loading and unloading discs.

- Be sure to switch to DVD source, before loading and unloading discs.


Loading Discs

Insert the disc with the label side facing you.


Once the disc is partially inserted, it is drawn in automatically. Playback starts.

- If the ignition key is on ACC or ON, a disc cannot be inserted when the power is OFF.
- If wrong disc, upside-down disc or dirty disc have been inserted. "NO DISC" is displayed.

Unloading Discs

Press  to eject the disc.

Be sure to remove the disc.

- If the ignition key is set to ACC or ON, a disc cannot be removed when the power is OFF.
- During ACC OFF or while the disc is being loaded ("READ" is displayed) the disc will not be ejected even if you press  EJECT.

Switching the Source

Front Control Keys

1. Press "SRC" to cycle through the different sources.



Remote Control



1. Press "Source" to cycle through the different sources.





- OSD (On Screen Display) will be turned off automatically, when not operating more than 10 seconds.
- When you proceed the above step with front control keys or remote control, the device source name on OSD can be automatically shifted.

FM/IR (On/Off)

FM ON/OFF (default: OFF)



1. Press **FM/IR** once: To turn ON/OFF the FM transmitter.
2. When you turn on the FM, press  or  to select desired FM frequency **87.7MHz ~ 89.9MHz or OFF**.

IR ON/OFF (default: IR A)

1. Press **FM/IR** twice: To turn CH A / CH B or Off the IR.
2. When you turn on the IR, press  or  to select CH A, CH B or Off.

- The wireless headphone uses the infrared ray (IR) to transmit, if there are obstacles among the transmitter and headphone, it may have some noise.
- When open the 2 sets of screen, please set the IR for the individual CH A or CH B, to prevent mutual interference.

SPEAKER ON/OFF (default: OFF) (Option)

1. Press **FM/IR** third: To turn ON/OFF the Speaker.
2. When you turn on the speaker, press  or  to select ON or OFF.

MMD Operations

CAUTION

- Not all function will operate for every DVD. See the individual MMD's instructions for details on the features supported.
- Fingerprints on a disc may adversely affect playback. If a problem occurs, remove the disc and check for fingerprints on the playback side. Clean the disc if necessary.
- When using the remote control, be careful to press a button at time. Pressing multiple buttons at the same time may cause erroneous operation.
- If you switch the power or ignition key OFF during playback, playback will continue where you left off when you resume playback.
- If you try to perform an invalid operation (based on the type of disc being played), the message "Ø" will be displayed on the monitor screen.
- A disc type must match the setting of the system. If a wrong type disc is inserted, the message "NO DISC" will be displayed, and playback is not available.

Playing DVD/VCD/CD

Place a disc with the label side facing you.

To load discs, see "Placing Disc" on page 7. Playback starts.

- The reverse side of a disc will not be played automatically. Remove the disc, turn it over and replace it.
- It may take some time before playback starts after placing a disc.

Disc Auto Play

The disc will play automatically without pressing ►II when disc is placed.

MMD Menu

1. Press **MENU** to display MMD Menu.
 2. Press ▲ ▼ ◀ ▶ to select the desired item, then press **ENTER** or ►II to confirm a selection.
- For some discs it is possible to select items directly from the menu screen using the number keys ("0" to "9").

Video Menu

1. Press **MENU** to display Video Menu.
2. Press ▲ ▼ to select the desired item, and then press **ENTER** or ►II again to confirm a selection.

Stopping Playback (PRE-STOP)

1. Press ■ during playback. "◻" Press Play Key To Continue" is displayed, and playback pauses. That position is stored in memory.
 2. Press ►II in the PRE-STOP mode to return to normal playback. Playback starts from the position at which it was stopped.
- For some disc, the position at which playback was stopped may not be accurate.

Stopping Playback

1. Press ■ twice during playback. "◻" is displayed, and playback stops.
2. Press ►II in the STOP mode to return to normal playback. Playback starts from the beginning.

Playing Still Frames (Pause)

1. During playback, press ►II to pause. "II" is displayed.
2. Press ►II again to resume playback.

- No sound appears during the still mode.
- The image or sound may stop temporarily when playback starts from the pause mode. This is not a malfunction.

Fast-forwarding / Fast-reversing

1. During playback, press and hold ◀◀ or ▶▶ to set search speed (×2/ ×4/ ×8/ x16/ x32) forwarded or reversed.
 2. Release ◀◀ or ▶▶ to pause, then press return to normal playback.
- No sound appears during fast-forward / fast-reverse.
 - Fast-forwarding / fast-reversing of a video CD is only function if the disc incorporates playback control.
 - For DVD and video CDs with playback control, the menu screen may reappear during fast-forwarding / fast-reversing.

Finding the Beginning of Chapters

During playback, press **◀◀** or **▶▶** to find the beginning of chapters.

The chapter / track switches each time the button is pressed, and playback of the selected chapter / track starts.

◀◀ : Press this to start playback from the beginning of the current chapter or track.

▶▶ : Press this to start playback from the beginning of the following chapter or track.

• Some DVDs do not have chapters.

※ Supplementary explanation:

“Chapters” are divisions of movies or musical selections on DVDs.

“Tracks” are divisions of movies or musical selections on video and music CDs.

Slow Motion Playback

Slow allows you to select different slow playback modes for a VCD / DVD during playback.

1. Press **SLOW** to select slow playback speed from normal to $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{16}$.

▶ $\frac{1}{2}$ → **▶** $\frac{1}{4}$ → **▶** $\frac{1}{8}$ → **▶** $\frac{1}{16}$ →

◀ $\frac{1}{2}$ → **◀** $\frac{1}{4}$ → **◀** $\frac{1}{8}$ → **◀** $\frac{1}{16}$ → **▶**

2. To return to normal playback, press **SLOW** repeatedly until normal speed playback.

• No sound is played during slow motion playback / reverse slow motion playback.

Setting Zoom In / Out

Zooming allows you to enlarge a picture or active image on screen during playback.

1. Press **ZOOM** repeatedly to zoom in out on the playback video image.

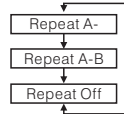
2X → 3X → 4X → $\frac{1}{2}$ → $\frac{1}{3}$ → $\frac{1}{4}$ → **▶**

2. To return to normal playback, press **4** **ZOOM** repeatedly until “ZOOM OFF”

Repeating Display Period (A-B)

Use this function to set a display period repeatedly.

1. During playback, press **A-B**.



-Setting a display period start.

-Setting a display period end.

-Canceling the setting of display period.

Setting RANDOM (On/Off)

Random allows you to select to play the chapter / track randomly during playback.

1. Press **RANDOM** to turn the Random function ON or OFF.

Switching Angle (DVD only)

On DVDs in which scenes have been filmed from multiple angles, the angles can be switched during playback.

1. During playback, press **ANGLE**.

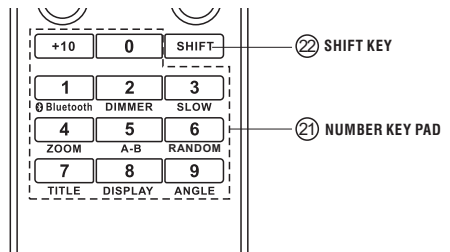
The angle switches between the angles recorded on the disc, each time the button is pressed.

• Sometimes may be required for the angle to change.

Using Number Key pad

1. Press **SHIFT** to switch Number/Function mode.

2. In Number mode, inputs the numeric keys (0~9) data for disc.



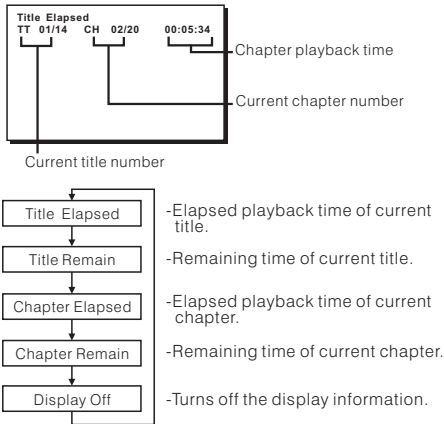
MMD Operations

Displaying Disc Status

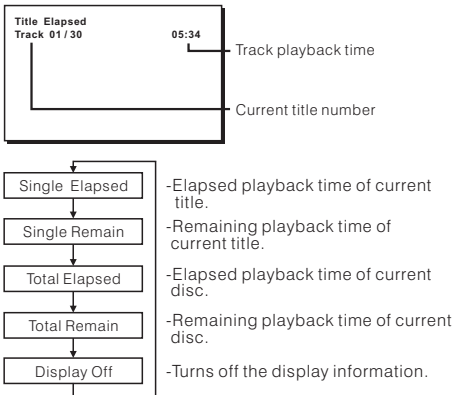
Use the procedure described below to display the status (title number, chapter number, etc.) of the currently playing DVD/VCD/CD on the monitor screen.

1. During playback, press **DISPLAY**. The playback status is displayed.

DVD Disc



VCD / CD Disc



Switching Subtitles (DVD only)

With multiple subtitle language DVDs, the subtitle language can be switched during playback, or subtitles can be hidden.

1. During playback, press **SUBTITLE**.

The subtitle switched between the languages recorded on the disc and OFF each time the button is pressed.

- There may be a delay before the selected subtitle appears.
- Not all disc with allow changing the subtitles during playback. In these cases, select subtitles from the MMD's menu.
- The selected subtitle language becomes the default setting every time the power is turned on or the disc is replaced. If the disc does not include that language, the disc's default language is selected instead.
- For some discs, the subtitles will be displayed even when this is set to off.

Switching Audio Tracks

DVDs can have different audio tracks. These alternate tracks can be switched during playback.

1. During playback, press **AUDIO**.

The sound switched between the alternate audio tracks recorded on the disc each time the button is pressed.

- The selected alternate track becomes the default setting every time the power is turned on or the disc is replaced. If the disc does not include that track, the disc's default language is selected instead.
- Not all discs will allow changing the alternate audio tracks during playback. In these cases, select audio tracks from the DVD menu.
- There may be a delay before the selected alternate track begins to play.

Video CDs With multiplex audio



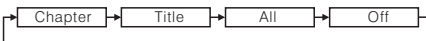
Chapter/Track/ Title Repeat Playback

Use this function to play the disc's titles, chapters or tracks repeatedly.

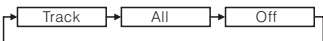
1. During playback, press **REPEAT**.

The repeat mode switches each time when the button is pressed.

DVD Disc



CD/VCD Disc



USB / Memory Card Operations

⚠ CAUTION

- Not all function will operate for every formats. See the individual USB's instructions for details on the features supported.
- Do not use USB while driving your vehicle. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in serious injury or an accident.
- If you try to perform an invalid operation (based on the type of disc being played), the message "O" will be displayed on the monitor screen.
- A disc type must match the setting of the system. If a wrong type disc is inserted, the message "NOT FOUND USB" will be displayed, and playback is not available.

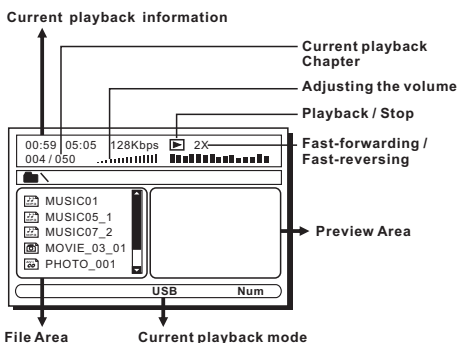
Switching DVD/USB/Memory Card Mode

After connecting USB or Memory Card, the unit shall search the directories automatically, and show all files on the screen.

1. Press **USB/DVD** to change to USB mode or Memory Card mode.
2. Press **▲ ▼** to select desired files or press **◀ ▶** to skip to the next and previous page, and then press **ENTER** or **▶II** to start or pause playback.

• It may take some time to search the directories while reading the USB or Memory Card.

3. Press **■** to return to the playback menu.



Setting RANDOM

Random allows you to select to play the track randomly during playback.

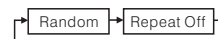
1. During playback, press **RANDOM**.

The random mode switches each time when the button is pressed.

MP3



AVI



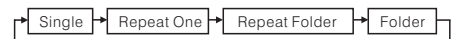
Repeating Playback

Use this function to play the tracks in USB or Memory Card repeatedly.

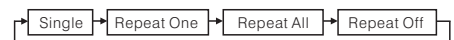
1. During playback, press **REPEAT**.

The repeat mode switches each time when the button is pressed.

MP3



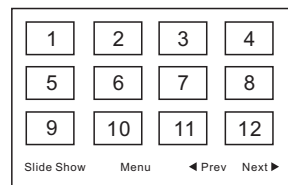
AVI



Tips

When play photos, you can see the photos in the Photo Preview Area.

1. Press **ENTER** or **▶II** to start or pause playback by full-screen automatically.
2. During playback, press **◀ ▶** see previous or next photo.
3. Press **▲** or **▼** the photo can rotate clockwise or counterclockwise.
4. Press **■** to return to index of the photos.



- Press **▲ ▼ ◀ ▶** to select desired photos, and press **ENTER** or **▶II** to start or pause playback.
- Press **MENU** to return to the playback menu.

MMD Set up

DVD Setup Operation

The following steps 1 to 2 are common to each of the DVD settings described here. Refer to each section for details.

1. Press and hold **SETUP** on the remote control. The setup menu appears on the monitor.
2. Press **◀** or **▶** to select desired setting item (General Setup Page / Audio Setup / Preference Page / Password Setup Page), then press **▼**.

Further items will be displayed.



GENERAL SETUP PAGE

TV DISPLAY / ANGLE MARK / OSD LANG / CAPTIONS / SCREEN SAVER / LAST MEMORY



AUDIO PAGE

DOLBY DIGITAL SETUP / EQUALIZER / 3D PROCESSING



PREFERENCE PAGE

TV TYPE / PBC / AUDIO / SUBTITLE / DISC MENU / PARENTAL / DEFAULT



PASSWORD SETUP PAGE

PASSWORD



EXIT SETUP PAGE

3. Press **▲** or **▼** to change the setting of further items, then press **ENTER**.
4. Press and hold **ENTER**. The settings are stored and the setup mode is deactivated.
5. Press **SETUP** or "EXIT SETUP" to return to normal display.

• When settings are changed, old settings are overwritten. Make a note of current settings before making changes. If the vehicle's battery is disconnected, the settings will be cleared and will return to Factory settings.

General Setup Page

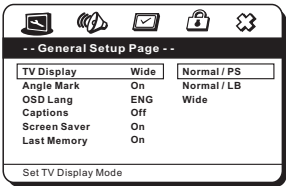
TV display, Angle mark, OSD language, Screen saver and Last memory are adjustable.

1. Press **SETUP** button on the remote control. The setup menu appears on the monitor.
2. Press **◀** or **▶** to select General Setup Page.
3. Press **▲** or **▼** to select TV DISPLAY / ANGLE MARK OSD LANG / SCREEN SAVER / LAST MEMORY, then press **ENTER** to confirm a selection.

Setting TV Display (default: Normal/PS)

• For some discs, the picture may not be set to the selected screen size.

4. Press **▲** or **▼** to select desired screen type.
5. Press **ENTER** to save adjustment.



• Normal / PS (Pan-Scan)

Select this when connected to a conventional 4:3 size monitor. The picture will fill the entire TV screen. Due to the mismatch in aspect ratio, parts of the movie at the extreme left and right sides will not be visible when playing a 16:9 size movie.

• Normal / LB (Letter Box)

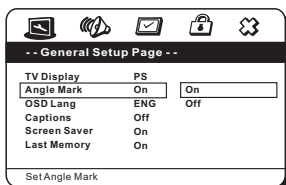
Select this when connected to a conventional 4:3 size (normal TV aspect ratio) monitor. There may be black bands visible at the top and bottom of the screen when playing a 16:9 size movie.

• Wide (16:9)

Select this when connected to a wide screen TV. This is selected upon shipment from the factory.

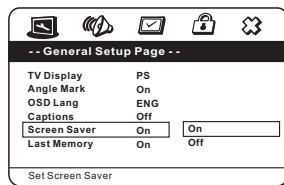
Setting Angle Mark (default: On)

4. Press ▲ or ▼ to select angle mark On / Off.
5. Press ENTER to save adjustment.



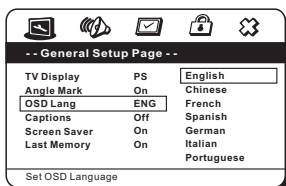
Setting Screen Saver (default: On)

4. Press ▲ or ▼ to select screen saver ON or OFF.
5. Press ENTER to save adjustment.



Setting OSD Language (default: English)

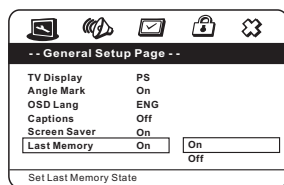
4. Press ▲ or ▼ to select desired language.
- There are 7 kinds of languages can be chosen. (English, Chinese, French, Spanish, German, Italian and Portuguese)
5. Press ENTER to save adjustment.
- The settings are stored and the setup mode is deactivated.



Setting Last Memory (default: On)

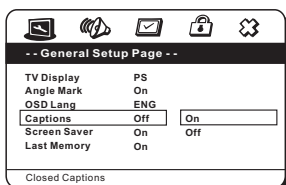
Video memory can choose to manually ON or OFF.

4. Press ▲ or ▼ to select last memory ON or OFF.
5. Press ENTER to save adjustment.



Setting Captions (default: Off)

4. Press ▲ or ▼ to select captions On / Off.
5. Press ENTER to save adjustment.



MMD Set up

Audio Setup Page

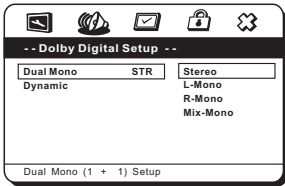
Dolby Digital, Equalizer and 3D Processing are adjustable.

1. Press **SETUP** button on the remote control. The setup menu appears on the monitor.
2. Press **◀** or **▶** to select Audio Setup Page.
3. Press **▲** or **▼** to select DOLBY DIGITAL / EQUALIZER / 3D PROCESSING, then press **ENTER** to confirm a selection.

■ Dolby Digital Setup:

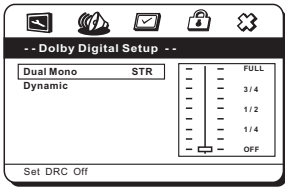
Setting Daul Mono (default: Stereo)

4. Press **▲** or **▼** to select daul mono mode of STEREO / L-MONO / R-MONO or MIX-MONO.
5. Press **ENTER** to save adjustment.



Setting Dynamic (default: Off)

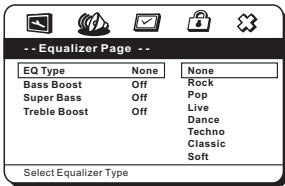
4. Press **▲** or **▼** to select desired dynamic of Full, 3 / 4, 1 / 2, 1 / 4 or OFF.
5. Press **ENTER** to save adjustment.



■ Equalizer Page:

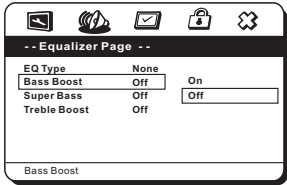
Setting Equalizer Type (default: None)

4. Press **▲** or **▼** to select desired equalizer of None, Rock, Pop, Live, Dance, Techno, Classic or Soft.
5. Press **ENTER** to save adjustment.



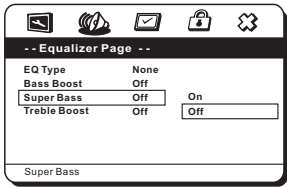
Setting Bass Boost (default: Off)

4. Press **▲** or **▼** to select bass boost On / Off.
5. Press **ENTER** to save adjustment.



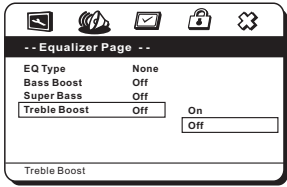
Setting Super Bass (default: Off)

4. Press **▲** or **▼** to select super bass On / Off.
5. Press **ENTER** to save adjustment.



Setting Treble Boost (default: Off)

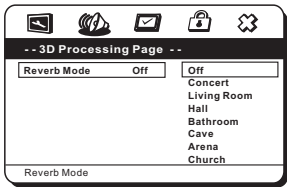
4. Press **▲** or **▼** to select treble boost On / Off.
5. Press **ENTER** to save adjustment.



■ 3D Processing Page:

Setting Reverb Mode (default: Off)

4. Press **▲** or **▼** to select reverb mode On / Off.
5. Press **ENTER** to save adjustment.



Preference Page

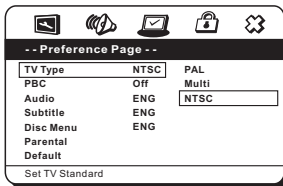
TV type, PBC, Audio, Subtitle, Disc Menu and Parental are adjustable.

1. Press **SETUP** button on the remote control. The setup menu appears on the monitor.
2. Press **◀** or **▶** to select Preference Setup.
3. Press **▲** or **▼** to select TV TYPE / PBC / AUDIO / SUBTITLE / DISC MENU / PARENTAL / DEFAULT, then press **ENTER** to confirm a selection.

Setting TV Type (default: NTSC)

Broadcast TV System can be manually switched.

4. Press **▲** or **▼** to select PAL / AUTO / NTSC.
5. Press **ENTER** to save adjustment.

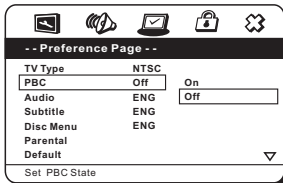


Setting PBC (default: Off)

When playing a Playback Control (PBC) enabled video CD, you can choose to set PBC ON or OFF.

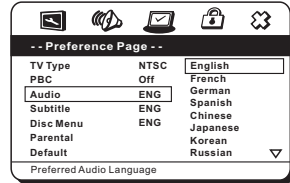
PBC ON: The PBC menu is displayed.
PBC OFF: The PBC menu is not displayed.

4. Press **▲** or **▼** to select PBC On / Off.
5. Press **ENTER** to save adjustment.



Setting Audio Language (default: English)

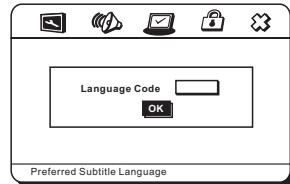
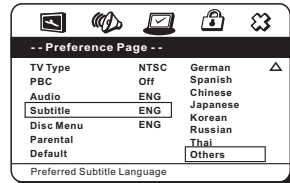
4. Press **▲** or **▼** to select desired audio language.
 - There are 9 kinds of languages can be chosen. (English, French, German, Spanish, Chinese, Japanese, Korean, Russian, Thai and Others.)
5. Press **ENTER** to save adjustment.



- Not all discs allow changing the default language. Available language will depend on the disc.

Setting Subtitle Language (default: Others)

4. Press **▲** or **▼** to select desired subtitle language or others language.
 - There are 9 kinds of languages can be chosen. (English, French, German, Spanish, Chinese, Japanese, Korean, Russian, Thai and Others.)
5. Press **ENTER** to save adjustment.

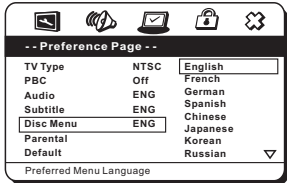


- Not all discs allow changing the default language. Available language will depend on the disc.

MMD Set up

Setting Disc Menu Language (default: English)

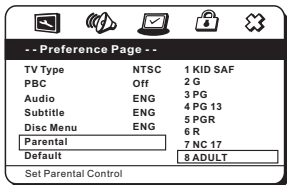
4. Press ▲ or ▼ to select desired disc menu language.
- There are 9 kinds of languages can be chosen. (English, French, German, Spanish, Chinese, Japanese, Korean, Russian, Thai and Others.)
5. Press ENTER to save adjustment.



- Not all discs allow changing the default language. Available language will depend on the disc.

Setting Parental (default: 8 Adult)

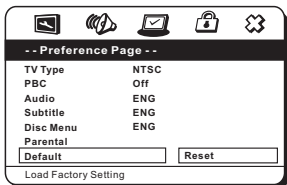
4. Press ▲ or ▼ to select a rating level between 1 to 8.
- The are 8 kinds of levels can be chosen. (Kid saf, G, PG, PG13, PGR, R, NC17, Adult)
5. Press ENTER to save adjustment.



Setting Default

Use this function to restore Factory system setting.

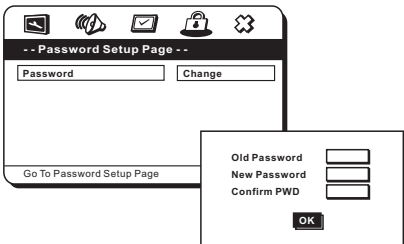
4. Select "Reset" to change to Factory setting.
5. Press ENTER to save adjustment.



Password Setup Page


Please remove the disc before entering password setup page. There is not original password.

1. Press **SETUP** button on the remote control.
The setup menu appears on the monitor.
2. Press ◀ or ▶ to select Password Setup Page.
3. Press ▶ to select Change, then press Number key pad (0~9) to setup password and press "OK" button to save adjustment.




Installation and Connections

Before installing or connecting the unit, please read the following and page 2~4 of this manual thoroughly for proper use.

**CAUTION:**

The back seat passenger must fasten the seatbelt while operating the unit.



- This Stanchion Mount is suitable for Seat Back Monitor only.
- The fixity and shape of the seat will affect the vibration of the screen.
- Do not install this monitor in a place other than the car.
- **The screws will loose due to the vehicle vibration. Please check and confirm whether the screws loose before each using.**
- Best viewing distance for Seat Back Monitor is 80cm.

Have the wiring and installation done by experts.

The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this unit to have the work done.

Use specified accessory parts and installs them securely.

Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.

Arrange the wiring so it is not crimped or pinched by a sharp metal edge.

Route the cables and wiring away from moving parts (like the seat rails), sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wires insulation from being cut by the metal edge of the hole.

Drilling can cause airborne debris.

Airborne debris can cause serious injury to the eyes. Wear protective eye-wear when drilling.

WARNING:

Make the correct connections.

Failure to make the proper connections may result in fire or product damage.

Use only in cars with A 12 volt negative ground.

(Check with your dealer if you are not sure.) Failure to do so may result in electric shock or injury due to electrical shorts.

Do not allow cables to become entangled in surround objects.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving.

Do not splice into electrical cables.

Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.

Do not damage the electrical wire when drilling holes.

When drilling holes in the console box for installation, takes precautions so as not to contact, damage the electrical wiring. Failure to take such precautions may result in fire.

Keep small objects such as batteries out of the reach of children.

Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

PRECAUTIONS:

Be sure to disconnect the cable from the (-) battery post before installing this unit.

This will reduce any chance of damage to the unit in case of a short-circuit.

Be sure to connect the color coded leads according to the diagram.

Incorrect connections may cause the unit to malfunction or damage to the vehicle's electrical system.

When making connections to the vehicle's electrical system, be aware of the factory installed components. Do not tap into these leads to provide power for this unit.

Failure to do so may result in damage to the unit or vehicle. When in doubt, please consult your dealer.

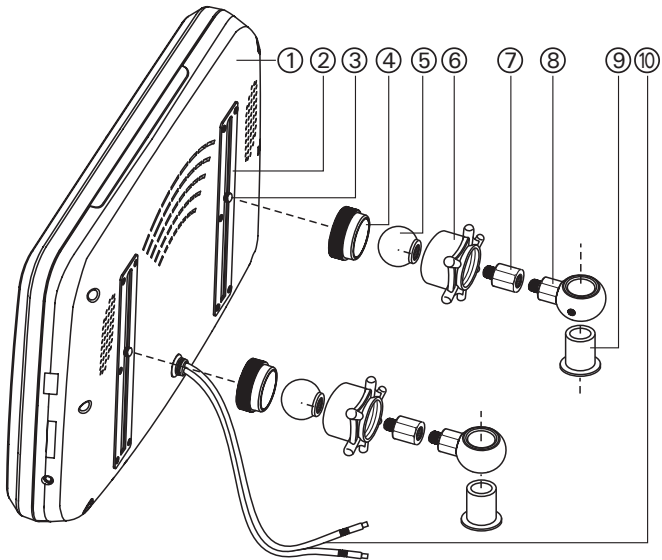
This unit uses female RCA-type jacks for connection to other units (e.g. amplifier) having RCA connectors.

You may need an adaptor to connect other units. If so, please contact your authorized dealer for assistance.

Installation and Connections

Parts Indication

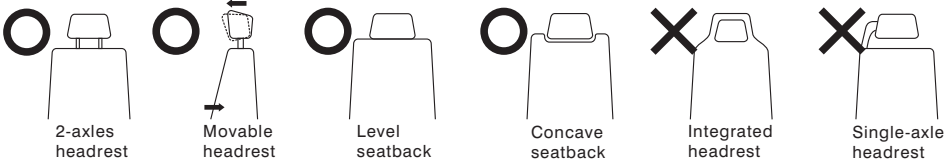
- 1. LCD Monitor
- 2. Slide Rail
- 3. Slide Bolt
- 4. Slide Block
- 5. Ball
- 6. Knob
- 7. Link
- 8. Slide Block Linkage
- 9. Stanchion Washer
- 10. Power Cable



⚠ Limitation

Before installation, please make sure that the shape of headrest is available for installation.

● Suitable seat for installation:

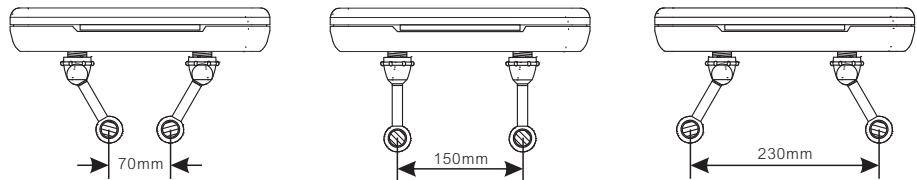
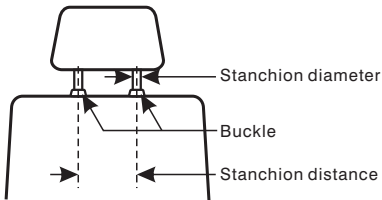


● Stanchion Diameter & Distance :

Universal stanchion mount can fits most cars headrest stanchions with distance 70~230mm and stanchion diameter 8~16.5mm.

Stanchion Diameter	Stanchion Distance
JAPAN Regulation : \varnothing 12mm	70mm~230mm
EURO Regulation : \varnothing 15mm	

*The stanchion diameter of other imported cars is 16.5mm

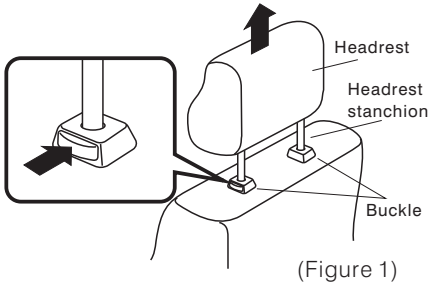


Installation and Connections

Installation Setp

1 Remove the headrest

Remove the headrest from the seat. (Figure 1)

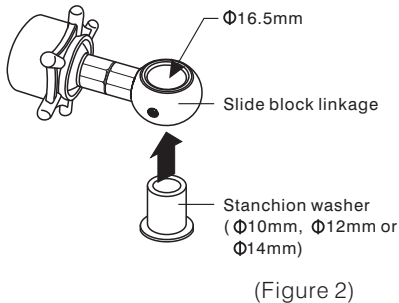


CAUTION

Be sure to remove the electric sensor before removing the electric headrest.

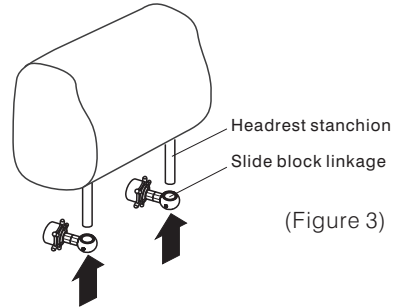
2 Measure the diameter of headrest stanchion

If the diameter of headrest stanchion is less than 16.5mm, please choose the more suitable stanchion washer ($\Phi 10\text{mm}$, $\Phi 12\text{mm}$ or $\Phi 14\text{mm}$) into the hole of the slide block linkage. (Figure 2)



3 Install the slide block linkage

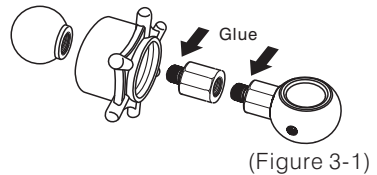
The headrest stanchion through the slide block linkage. (Figure 3)



CAUTION

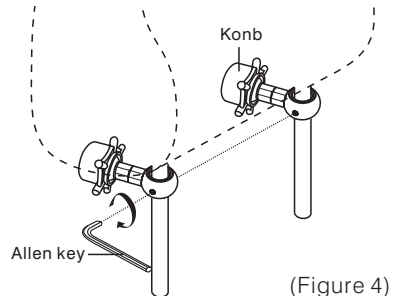
How to adjust the length of the slide block linkage.

Please re-assemble the slide block linkage again after you make sure the length of the linkage you want, and fixed by glue the joints with strong adhesive. (Figure 3-1)



4 Fixed the slide block linkage

After adjusting and confirming the slide block linkage location, please use the Allen Key to tighten the screws. (Figure 4)

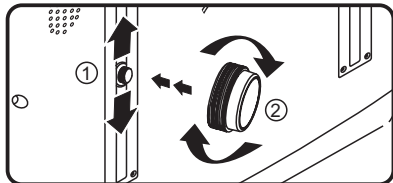


Installation and Connections

5 Installation or adjust the monitor

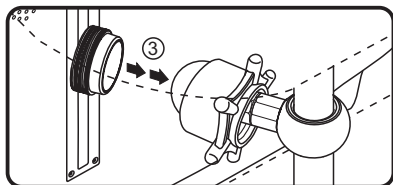
- 1) After positioning the slide bolt where you want, then fixed to the slide bolt on the slide block by tighten to the most. (Figure 5-1)

※ **CATION:**
Please tighten the slide block as tight as possible.

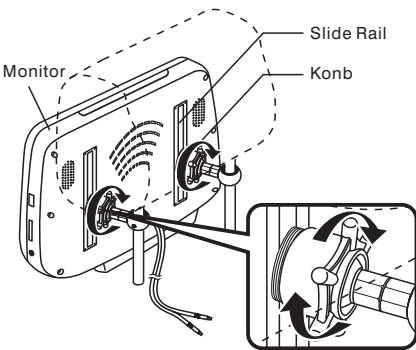


(Figure 5-1)

- 2) Tighten the knob to the appropriate tightness (Figure 5-3) when the slide block sealed with the ball (Figure 5-2).



(Figure 5-2)

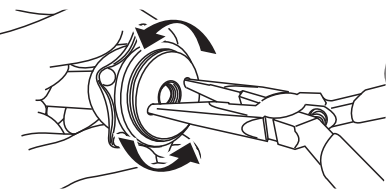


(Figure 5-3)

- 3) You could adjust the height any time. The first, you have to release the knobs and slide blocks and repeat for step of this page.

⚠ CATION:

If the slide block gets stuck with the knob, please use pliers to remove it. (Figure 5-4) And reinstall from step of this page.

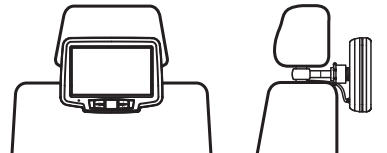


(Figure 5-4)

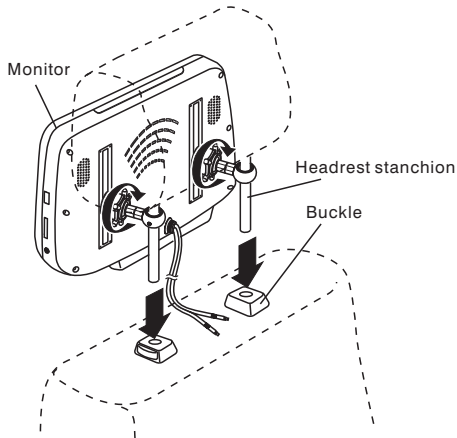
⚠ CATION:

Recommend the best position of the Monitor.

We strongly recommend to position the monitor in the middle of the head and seatback when you install it.



6 Put the headrest back to the seat.



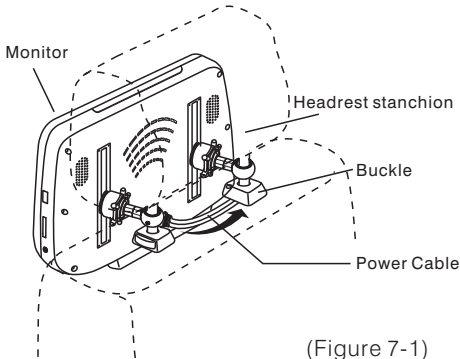
(Figure 6)

7 Installing the power cable

Please choose a way to route the power cable.

A. Line through the buckle

- 1) Push the power cable into the buckle of the headrest stanchion carefully. If you run into any obstacles, please rotate the cable or pull back slightly and push again to pass through.
- 2) The power cable should pass through the bottom of the seat finally. (Figure 7-1)

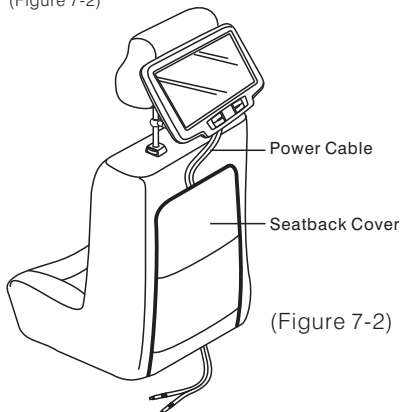


(Figure 7-1)

B. Line through the backplane of the seat

If there is a backplane of the seat, please remove it carefully. Pull the power cable to the bottom of the seat and reset back the backplane of the seat.

(Figure 7-2)

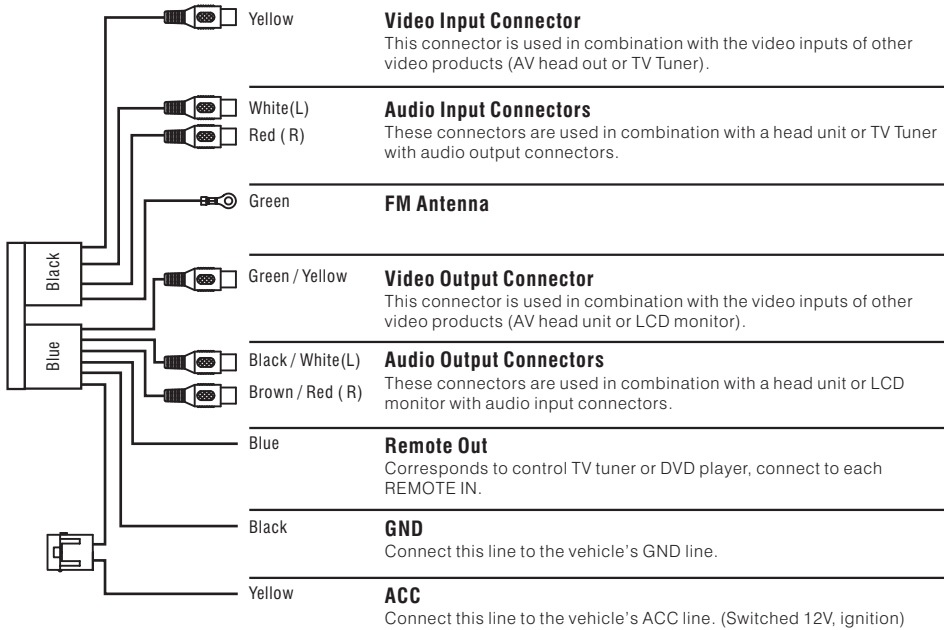


(Figure 7-2)

Installation and Connections

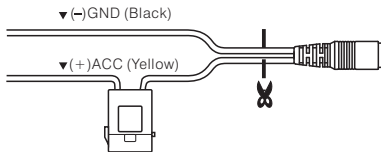
Connections

AV Connectors



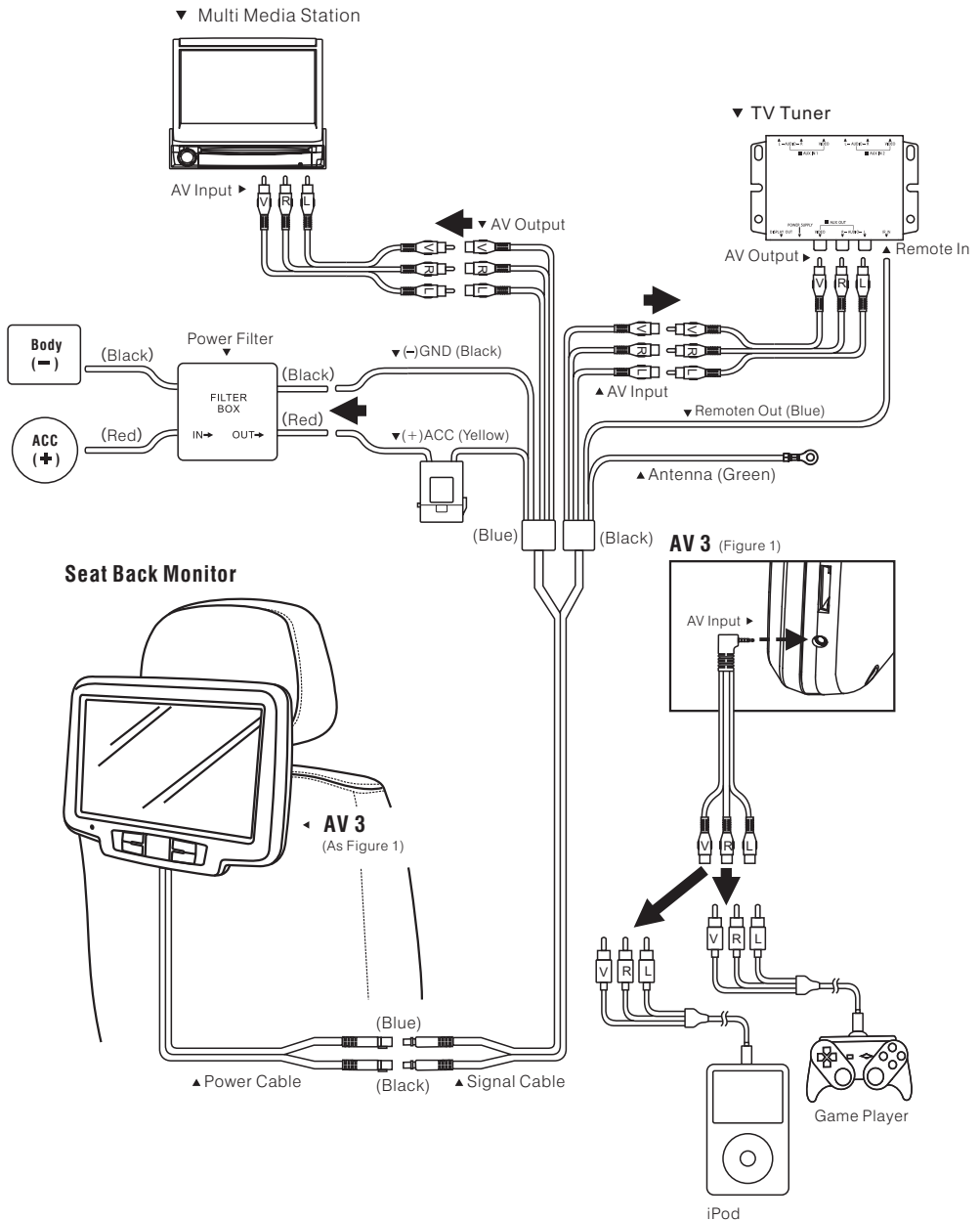
CAUTION

The factory default will have a connector. Please cut the connector before connect to the system.



Installation and Connections

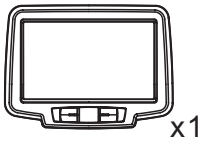
System Connections



Information

Accessories

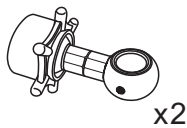
■ Screen



■ Slide block

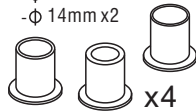


■ Sliding block linkage

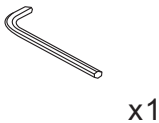


■ Stanchion washer

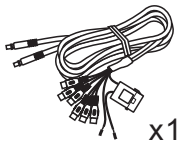
- ϕ 10mm x2
- ϕ 12mm x2
- ϕ 14mm x2



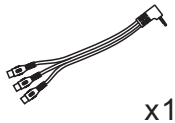
■ Allen key



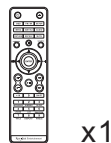
■ Signal cable



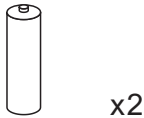
■ AV3 Cable



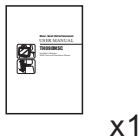
■ Remote control



■ AAA Battery
(For remote control)



■ User manual



■ Power Filter
(Option)



General Specifications

DISPLAY SCREEN

Size	9 inch	10.2 inch
Aspect Ratio	16:10	
Type	Transparent type TN Liquid Crystal Display	
System	TFT-LCD, Active Matrix	
Number of Elements	800(W)x480(H)x3	
	1.152M pixels (WVGA)	
Back Light	LED	
Brightness	300cd/m ²	
Auto Dimmer	Built-in	
USB Interface	USB 2.0 (Up to 4G)	
Card Reader	MS/MMC/SD compatible (Up to 4G)	

GENERAL

Operating Voltage	Form 10V to 16V (DC)	
	Typical : 12V	
Power Consumption	1.2A (MAX)	
	0.82A (TYP)	
	0.08A (Stand by)	
Video Input / Output	1.0V p-p 75 Ω	
Audio Input / Output	2.0V rms (MAX)	
IR Transmitter	CH A : 2.3MHz / 2.8MHz	
	CH B : 3.2MHz / 3.8MHz	
FM Transmitter	87.7MHz - 89.9MHz Frequency (Wireless)	
Operating Temperature	0°C to +50°C (32°F to +122°F)	
Speaker	Option	

MONITOR

Width	260mm	288mm
Depth	181mm	212mm
Height	53mm	50mm
Weight	1.33Kg	1.36Kg

Note:

- Specifications and the design are subject to modification without notice due to improvements in technology.
- Some figures and illustrations on this manual may be different from your product.

Information

Troubleshooting

CAUTION

If you encounter a problem, please turn the power off, then on again. If the unit is still no functioning normally, please review the items in the following checklist. This guide will help you isolate the problem if the unit is at fault. Otherwise, make sure the rest of your system is properly connected or consult your authorized dealer.

No function or display.

Vehicle's ignition off.

- If connected following the instructions, the unit will not operate with the vehicles ignition off.

Improper power lead connections.

- Check if the power lead is properly connected.

No fuse or blown fuse.

- Replace the fuse on the battery lead of the unit with the proper value.

Vehicle's battery is weak.

- Check the voltage of vehicle's battery.

Disc playback sound is wavering.

Moisture condensation in the disc unit.

- Allow enough time for the condensation to evaporate (about 1 hour).

Disc insertion is not possible.

A disc is already in the DVD player.

- Eject the disc and remove it.

The disc is being improperly inserted.

- Reinsert the disc following the instructions in the "Loading and Unloading Discs" section. (Page 7)

Unable to fast-forward or fast-reverse the disc.

The disc has been damaged.

- Eject the disc and discard it. Using a damaged disc in your unit can cause damage to the mechanism.

Disc playback sound skips due to vibration.

Improper mounting of the unit.

- Securely re-mount the unit.

The disc is very dirty.

- Clean the disc

The disc has scratches.

- Change the disc.

The pick-up lens is dirty.

- Do not use a commercial available lens cleaner disc. Consult your nearest dealer.

Disc playback sound skips without vibration.

Dirty or scratched disc.

- Clean the disc. Damaged disc should be replaced.

CD-R/CD-RW playback is not possible.

Close session (finalization) has not been performed.

- Perform finalization and attempt playback again.

Error displays

Mechanical error

- Press **EJECT**. After the error indication disappears, insert the disc again. If the above mentioned solution does not solve the problem, consult your nearest dealer.

Unit does not operate.

Monitor's power is not turned on.

- Turn on the monitor power.

Condensation

- Wait a while (about 1 hour) for the condensation to dry.

No picture is produced.

Monitor's mode is not switched to the mode you want to see.

- Switch to the mode you want to see.

Monitor's parking break cord is not connected.

- Connect the monitor parking brake cord and set the parking break. (For details, refer to the monitor instruction.)

Brightness control is set for minimum brightness control.

- Adjust the brightness.

Incorrect setting of the mode.

- Switch to the correct mode.
- Check the connection to the source unit.
- Check the power of the source unit.

Incorrect or open connection with the Monitor, AV interface unit.

- Check the connection and remedy.

Playback does not start.

Disc is loaded upside-down.

- Check the disc and load it with the label side facing upward.

The disc is dirty.

- Clean the disc.

A disc not able to playback with this unit is loaded.

- Check if the disc is able to be played back.

Parental lock is set.

- Cancel the parental lock or change the rating level.

Setup menu is displayed.

- Press **SETUP** to turn the menu off.

Image stops sometimes.

Disc is scratched.

- Replace with a non-scratched disc.

Picture is unclear or noisy.

Disc is being fast-forwarded or fast-reversed.

- The picture may be unclear, but this is normal.

Vehicle's battery power is weak.

- Check the battery power and wiring. (The unit may malfunction if the battery power is under 11 volts with a load applied.)

Monitor's fluorescent tube is worn out.

- Replace the monitor fluorescent tube.

Image stops sometimes.

Disc is scratched.

- Replace with a non-scratched disc.

Picture color is poor.

Brightness/Color/Tint/Contrast/Sharpness controls are not set to the proper positions.

- Check each control.

The remote control does not work.

IR Received range is not enough.

- The remote control can be used within 2 meters.

Something interfere the IR transmitter.

- Please remove any possible objects.

Battery is exhausted.

- Replace the remote control battery.

Picture was very dark when starting the machine.

The temperature is too low.

- Wait a while (about 1 hour) for the warm up. After that, the monitor will return to the normal condition.

Spots or dotted lines-stripes appear.

The LCD panel is manufactured using an extremely high precision manufacturing technology.

- Its effective pixel ratio is over 99.99%. This means that 0.01% of the pixels could be either always ON or OFF.

Caused by neon signs, high-voltage power lines, CB transmitter, other vehicle's ignition plugs, etc.

- Change the location of your vehicle.

CAUTION

Due to continuous product improvement, specifications and design are subject to change without notice.

Warranty

CAUTION :

- Please make sure to read the user manual carefully.
- Please make sure to ask for the authentication seal from the retailing shop on the warranty card for certification and keep properly in order to guaranteeing your rights.
- **Please make sure the units have serial number before you send it back for repairing. If the units didn't have serial number or miss it, we will unable to offer warranty for the units.**

Warranty period:

ONE (1) YEAR from the date of original retail purchase.

Within the warranty period:

- Please comply with instruction of warranty card and inquire your retailing shop about maintenance.
- If the unit breaks down under normal usage, we will repair the units free of charge. Furthermore, we will be responsible for the two-way freightage fees.
- If the unit breaks down because external force, such as, man-made damage, hit, splash and so on, we will charge the component fees and technologic fees from customers. Furthermore, the customers should responsible for the two-way freightage fees.

Exceed the warranty period:

- If the product breaks down, please inquire your retailing shop.
- If the unit breaks down because external force or not external force, we will charge the component fees and technologic fees from customers. Furthermore, the customers should be responsible for the two-way freightage fees.
- In order to maintain the function of the product, we will charge the maintenance cost in accordance with the state of customer's products.
- **The warranty period of the mending parts is 2 years.** The mending parts mean the essential parts for keeping product operation.

About the repairing fees :

>> Technologic fees :

We will charge the repairing fees in accordance with the state of customer's products after repairing.

The repairing fees will include technical staff fees, technologic educational fees, test equipment fees of device and general administration fees and so on.

>> Components fees :

The customers will be responsible for the components fees and material fees of the defective product.

>> Freightage fees:

If the product breaks down because external force, such as man-made damage, hit, splash and so on, the customers should responsible for all freightage fees.

Other :

When sending the product to repair, please pack the product perfectly, so as to prevent damage again on the way of transport. Thanks.

Information

Warranty Card

- We will delivery the product after it passed the tight quality control and detailed examining.
- Under normal usage, if the product is out of order, please inquires your retailing shop or particular customer's service center, we will repair it for free during warranty period.
- If you need any product service, please present this warranty card for certification.
- Please remember to ask for the authentication seal from the retailing shop while buying this product. If it's incorrectly or there is not authentication seal, we will not guarantee your right.



CAUTION:

- Please record the serial number of your unit in the space provide below and keep it as a permanent record. The serial number plate is located on the back of the monitor.
- If the units didn't have serial number or miss it, we will unable to offer warranty for the units.



CAUTION:

In order to guarantee your rights, please remember to fill in retailing shop name, address and telephone number certainly while purchasing.

Item	SEAT BACK MONITOR		Warranty Period	
Model			ONE YEAR. (From the date of original retail purchasing)	
Color	<input type="checkbox"/> Black <input type="checkbox"/> Gray <input type="checkbox"/> Beige			
Serial Number	(This is necessary.)			
Purchasing Date	(YY/MM/DD)			

User Data	User Name		TEL	
	Address			
Retailer Data	Shop Name		TEL	
	Address			
Retailer's Seal		Selling Date: (This is necessary.)		

