

SUMASTM Media

SM-707DBT



USER OPERATION MANUAL

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SAFETY INFORMATION

Please read this manual thoroughly and keep in your vehicle for easy future reference. We highly recommend that you find a licensed professional installer for the installation of this product, it is illegal and unsafe to watch DVD player while driving.

CAUTION: This unit is a class 1 Laser Product. To prevent direct exposure to Laser system, DO NOT OPEN the unit. The Laser Beam may hurt or damage your eyes. If the unit requires adjustments, please contact Sumas Media.

Use This Product Safely

Make sure you fully understand the following safety information:

When Driving

Keep the unit at an appropriate sound level. Driving with the sound at a level that prevents you from hearing the sounds outside and around the car may cause an accident.

When cleaning your interior

Do not expose the product to any type of liquid or excessive moisture. This could cause short circuit, fire or other severe damage to the unit or you vehicle.

When Parked

Parking in direct sunlight, especially in the summer time can produce very high temperature inside you vehicle. This may cause the unit to not work properly. Let the interior of your car to cool down before turning on the unit.

Note: Do not use or store player in dusty, high temperature or high humidity environments.

Park wire/Brake wire

Park wire is to connect to your parking brake (Hand brake) or your unit will not function, also for your safety; when car is operate it will restrict you to play/watch DVD movies while driving, display shows: "Picture off for safety".

But some make or model of automobile if you have problem to connect to your brake, you can also ground this wire to your car's chassis, unit will play; but restriction will be disabled, so please do not watch your unit while driving!

Replacing the Fuse

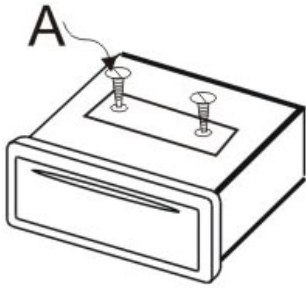
When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse.



WARNING!

NEVER replace any Fuse with higher amperage than the original. This may cause damage to your unit and/or your vehicle's electrical wiring.

INSTALLATION



Note: Remove the shipping protection two screws (A) before installing and operating the unit.

- This unit is designed for 12V DC, negative ground operation system only.
- When replacing a fuse, be sure to use one matching the amperage rating stated on the original fuse. Using a fuse with the wrong Rating may cause your unit not function correctly or even cause electrical shortage
- The negative battery terminal must be disconnected before making connections, which can reduce damaging the unit due to short circuit.
- Be sure to connect the color coded leads correctly according to the wiring diagram. Incorrect connections may cause damage or malfunction and may damage the vehicle's electrical system.
- Be sure to connect the speaker (-) leads to the speaker (-) terminal, and the speaker (+) leads to the speaker (+) speaker terminal and so on. Never connect the left and right channel speaker cables to each other or to the vehicle body.
- Do not block the vents or radiator panels. Blocking them will cause heat to build up inside and may damage your unit.
- After the completion of the installation. Plug in negative cable of vehicle to the (-) battery terminal. Then press the RESET button the front panel with a pointed object (such as ball-point pen) to set the unit to initial status. Please refer to page 6.



Unit Installation & Removal

Depending on the type of vehicle you have installation procedures and installation kit will vary. Above are a few examples of installations kits (NOT INCLUDED) and how the car DVD players mount onto them. Use the included installation bracket as needed.

Playable discs

DVD, Video CD and CD discs that display the logos shown below can be played back on this unit.



DVD video disc region numbers: 1 (This unit is for region one)

If you encounter region problems, please call our toll free service number on back page, we will help you resolve it.

DVD Care

If you use an irregular disc it may jam the DVD player or not play, for this reason only use round discs

Be sure to check all discs for cracks and scratches before playing, discs in those conditions will not play properly.

- Also, be sure to avoid the recorded (plain) side of the disk
- Store CDs in case when not in use to avoid scratching the disc.
- Keep discs out of direct sunlight (it will cause them to warp and crack)
- To clean the CDs wipe with a soft cloth from the inside of the disc outward

MP3

MP3 files on CD-ROM, CD-R and CD-RW are compatible with this unit.

Discs compatible with ISO9660 level one and two or with ROMEO and JULIET, recorded discs with the multi sections can also be played. MP3 files are incompatible with the transportation of read-in files.

The max character width of the folder name is 32. If the file is recorded through ROMEO and JULIET system, only the former 32 characters are displayed. While playing discs with MP3 and CD-DA, such as CD EXTRA and MIXED MODE CD the system can only switch between MP3 and CD-DA. The selected folder sequence of playing and other operations will be the sequence to write in the software. So the anticipated sequence of playing should not conflict with the actual playing sequence. However, there is, indeed some software that play sequence is allowed to be set. The file is compatible with Id3 label version 1.0 and 1.1, so as to display the music titles and authors. The enhancing function is valid only when playing MP3 in 32, 44.1 and 48 KHz sample frequencies 16,22,05,24, 32, 44.1 KHz can be played. The tone of MP3s file can usually be bettered when the bit rate is increased. This machine can play recordings between 8KBPS and 320 KBPS. However, in order to enjoy a good tone, we recommend discs over 128KBPS.

!!!!IMPORTANT!!!!

While naming an MP3 file, add relevant extending name .mp3

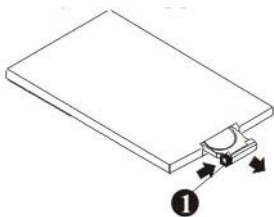
This machine will play files with .mp3 as MP3; do not use this extending name on non mp3 files so as avoid noises and other problems.

MP4

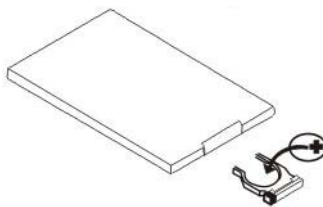
Due to new DivX version restriction on decoding, this unit will play most of the DivX format but some of the newer version will not. It can also play most of the .avi files with MPEG 4 codec.

Replacing Remote Control Battery

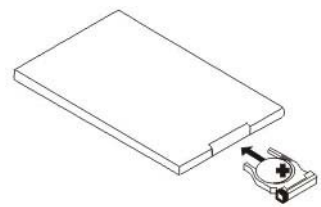
* When the range of the operation of the remote control becomes short or none functional at all. Replace the battery with a new button cell. Make sure to purchase the same size battery.



1. Pull out the Battery Holder while pressing the stopper.

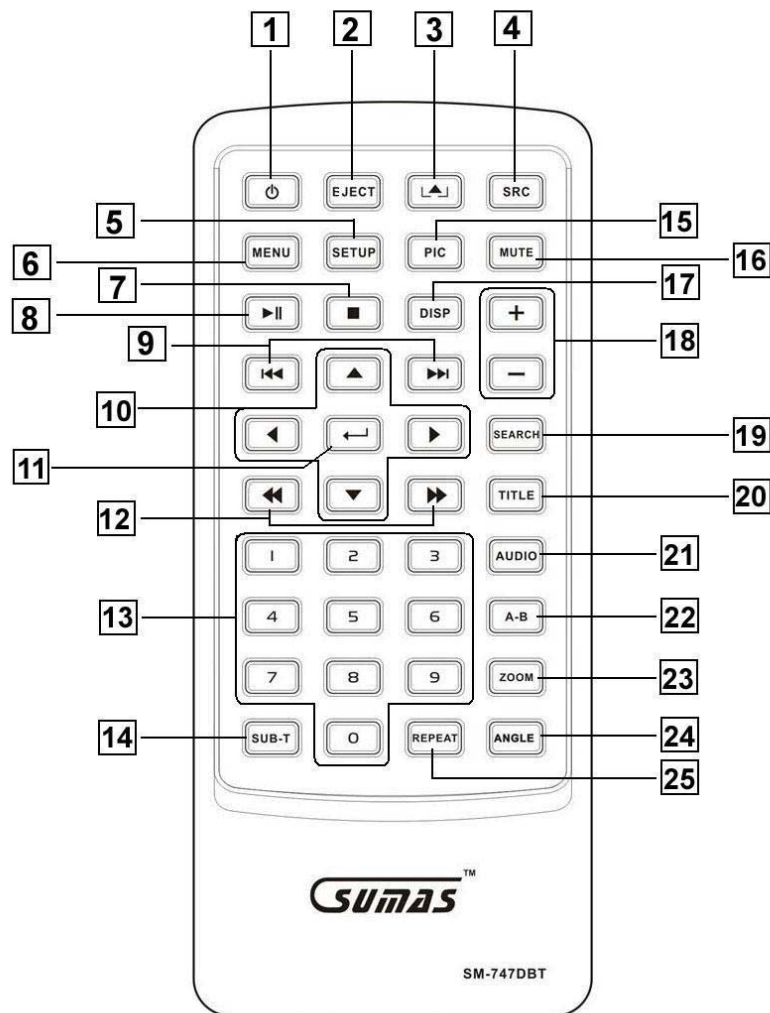


2. Put the button-type battery (+) mark upward into the battery holder.



3. Insert the Battery Holder into the Remote Control.

Remote Control

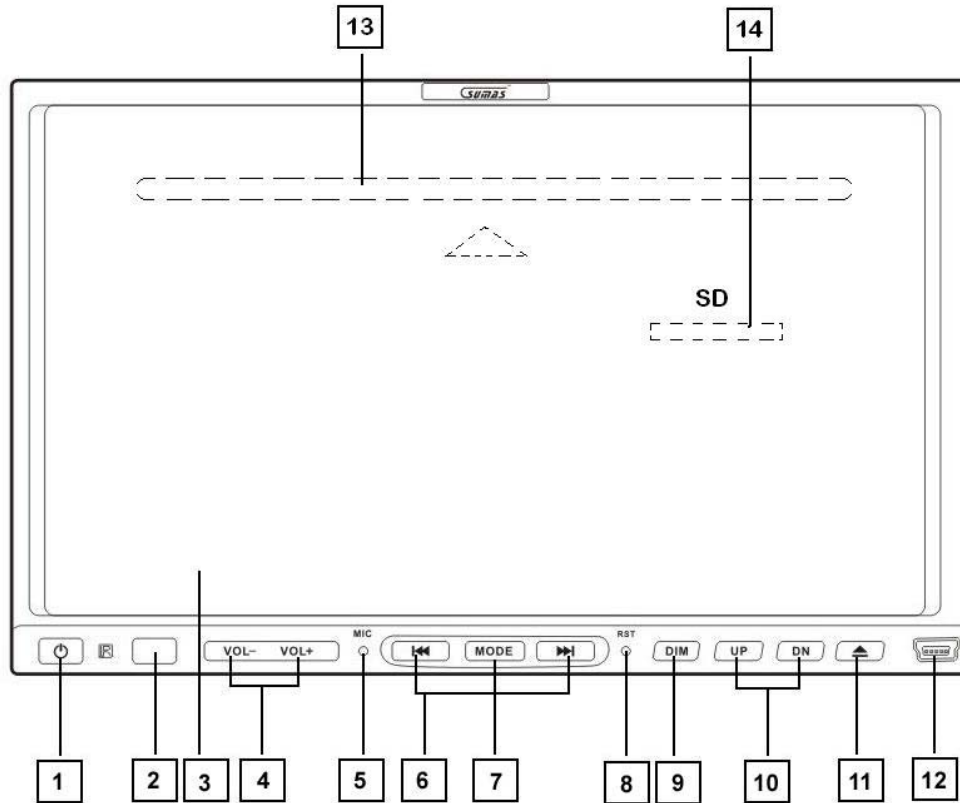


- | | |
|--|--------------------|
| 1. POWER | 13. 0-9 Number pad |
| 2. ▲ EJECT | 14. SUB-T |
| 3. OPEN/CLOSE LCD | 15. PIC |
| 4. SRC | 16. MUTE |
| 5. SETUP | 17. DISP |
| 6. MENU | 18. VOL + / VOL - |
| 7. ■ STOP | 19. SEARCH |
| 8. ▶ PLAY/PAUSE | 20. TITLE |
| 9. ◀▶ Previous/Next track/chapter,
radio station seek +/- | 21. AUDIO |
| 10. ▲▼◀▶ Directional keys | 22. A-B |
| 11. ↵ Enter | 23. ZOOM |
| 12. ◀▶ Fast forward/reverse | 24. ANGLE |
| | 25. REPEAT |

Remote Control Functions

1. **⏻ Power** – Press once to turn unit off press again to turn unit off
2. **▲ EJECT** – Disc eject
3. **OPEN/CLOSE** – Open/Close/Adjust LCD panel
4. **SRC** – Source, Press switch to other modes
5. **SETUP** – Enter system setup
6. **MENU** – Enter main menu
7. **■** – Stop play
8. **▶||** - Play/Pause
9. **⏮ ⏭** - Skip chapters/tracks in disc mode, Radio station tuning (seek +\(-)
10. **▲▼◀▶** - Up/Down/Left/Right Direction keys
11. **↵** - Enter/confirm action
12. **⏮ ⏭** - Fast forward or reverse in disc play mode
13. **0-9** – Numeric Pad for preset radio station or to skip to track/chapters
14. **SUB-T** – Cycle through Subtitle options
15. **PIC** – Image adjustment
16. **Mute** – Enable/Disable sound
17. **DISP** – Shows info on what's playing
18. **VOL + / VOL -** – Turns volume up + or down –
19. **SEARCH** – Search for chapter/track
20. **TITLE** – Title menu while playing DVD's
21. **AUDIO** - Turning on Audio commentary, Different language (if available on DVD)
22. **A-B** – Repeat play, set A to B section to repeat play.
23. **ZOOM** – Zoom in to enlarge the video.
24. **ANGLE** – Viewing angle (DVD must support multiple viewing angles)
25. **REPEAT** – Repeat track/chapter/or the whole disc

Front Panel



1. POWER/MUTE
2. IR Receiver
3. 7" Wide LCD Touch Screen
4. VOL + / VOL -
5. MIC
6. Previous/Next track/chapter, radio station seek +\-
7. MODE
8. RESET
9. DIMMER
10. UP/DN
11. EJECT
12. Mini USB Port

AND BEHIND THE FRONT PANEL:

13. CD Slot (behind the LCD panel)
14. SD card slot (behind the LCD panel)

Front Panel Features


1. **⏻ Power/MUTE** - To turn unit on/off and mute the volume
2. **IR Receiver** - Infrared receiver for remote control
3. **7"** - Wide LCD Touch Screen
4. **Vol + / Vol -** - Volume adjustment up/down
5. **MIC** – microphone for Bluetooth call function
6. **⏮ ⏭** - In CD/DVD/USB/SD mode, Previous/Next track/chapter, in radio mode, press to manually search for radio stations.
7. **MODE** – Press to change modes.
8. **RESET** – Press to reset unit to factory defaults.
9. **Dimmer** – Press repeatedly to quickly dim the display or make it brighter
10. **UP/DN** – LCD angle adjustment select from 4 different view angles.
11. **EJECT** – Press to eject or load CD/DVD/SD cards
12. **Mini USB Port** – Use included USB adapter to insert a USB flash drive.

AND BEHIND THE FRONT PANEL:

13. **DISC slot** – Insert CD/DVD/VCD/MP3 CD
14. **SD Card Slot** – Use standard SD cards

Basic Setup

Powering the unit ON/OFF

- Press the  **Power** button once on the unit or the remote to turn the unit on.
- Press and hold for a few seconds to turn the unit off, or press once on the remote.

Note: Pressing the power button on the unit once will mute the volume.

Switching Modes

- Press the **Mode** Button on the unit or remote repeatedly to cycle through the **Modes**. (**Radio, DISC, SD, USB, BLUETOOTH, AUX IN, CAMERA**).
- Or while on the main menu simply press the desired mode.

Note: Unit will automatically switch to the proper mode once the following is inserted. (DVD/CD/VCD Disc, USB Flash Drive and SD/MMC memory card)



System Setup (see page 9 for images)

Press Setup  icon on the remote or on the screen on any mode to bring up the "System Setup".

NOTE: System Setup options will vary depending what mode you are on. If you are on Radio mode "RADIO" will show up, if you are on DISC mode DISC will show up, etc...

ASP

- Touch "ASP" to enter setup: **Power on Volume** touch to select from **Last Vol** or **Fixed Vol**.
- **Last Vol:** When unit is turned on the volume level will be the same as from the last shut down.
- **Fixed Vol:** You can set a fixed volume level (10-30). When unit is turned on, the set volume level will be the default.

Video & Camera Mirror (important to read)

- Touch "Video" to enter setup: This setup is for rear view camera image.
- **Video Mode:** Select from the drop down: **Fill/Original/Height fit/Width fit/Auto Fit/Pan Scan**
- **Camera Mirror:** Off/On

Caution: When camera mirror is on, image will be flipped horizontally. In other words you will be seeing the wrong side of the image from left to right. This function is only to allow you to get correct viewing when installing a camera in front of your car. If that's not the case you must leave this function at the "OFF" setting at all time to prevent flip flop mess up on rear viewing. Always make sure you're seeing the correct image orientation on your screen, to avoid an accident.

Rear Camera

It's recommended to install a Sumas brand rear camera; other brands might not be compatible. You can connect the video feed through Camera input. When the car goes in reverse will display the rear view. Or press the camera button rear view will show without putting car in reverse (requires extra power feed with a switch to the camera install).

General

- Touch **General** to enter setup:
- **System Time:** Touch system time to change the time, (numeric pad will show up on the screen), simply input the correct time, touch *am/pm* on the top of the number pad and press enter to set the time.
- **Time Format:** - Select between 12/24 HOUR modes.
- **Language** - Touch to change and select from: English/French/Spanish/Turkish/Chinese/Russian
- **Beep:** - Set the operation sound on/off
- **TFT Auto Open:** - Select between No/Yes/Manual. **No** = Screen will retract when powered off, when the unit is turned on the screen will remain retracted. **Yes** = When unit is powered off, the screen will retract, when the unit is turned on the screen will go back to last angle it was on. **Manual** = Screen will not retract when the unit is turned off/on.
- **Screen Saver:** - Select between On/Off.

Touch ▼ to go to the next page of the setup.

- **TS Calibrate:** - Touch **Calibrate TS** and select **YES** to calibrate the touch screen, select **No** to cancel.
- **Use Default Setting:** Touch **Use Default Setting** and select **Yes** to restore setting to factory defaults, select **No** to cancel.

Basic Setup cont.



Steering Wheel Control Setup

- This optional steering wheel control feature is not included
 - We are unable to support on this particular function due to various auto in US, different concepts and connector/adaptor to work this feature with different auto maker and model, we cannot comply all automakers wire on this particular issue. Therefore this feature is not support.
- However this mechanism is designed comfortably control by touch without steering wheel controls.

Bluetooth Mode

Pairing

- Switch to Bluetooth mode touching the Bluetooth icon on the main screen, or press the mode button on the unit.
- Once on the Bluetooth screen touch the setup icon to enter setup menu.
- Touch "Bluetooth", on the right turn Bluetooth on by touching "Off" and selecting "On" from drop down menu. (You can also enable "Auto Connect" and "Auto Answer").
- On the Bluetooth is turned on, go back to the Bluetooth screen and touch pair, (the screen will now say "Waiting for Pairing").
- On you phone the unit will show up as "CAR KIT", select and enter the pass code "0000" when prompt.
- Once paired, the unit will display "Device Connected" "Pair OK: (device name will show)"
- You can now make and receive phone calls.

Note: This unit is capable of playing music through (A2DP) Bluetooth from cell phones; please check your cell phone user manual. Use play control keys (13-15) to operate music.



Bluetooth Functions

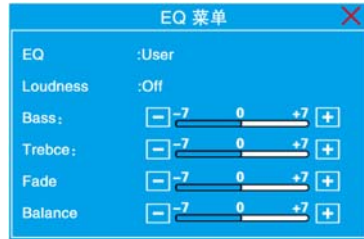
- | | |
|---|--|
| 1. Send call | 9. Delete |
| 2. LCD off | 10. End Call |
| 3. Setup | 11. Dialed number display |
| 4. Pair (Touch to pair with cell phone) | 12. Next track |
| 5. Manual/Auto Pairing icon | 13. Previous track |
| 6. Call History | 14. Stop |
| 7. Number pad | 15. Talk Transfer (Press to transfer between cell phone and car DVD) |
| 8. Volume | 16. Play/Pause |

Basic Setup cont.

Audio Setup (EQ Menu)

- To Enter **Audio Setup (EQ Menu)**: Touch EQ on the screen in any mode. EQ MENU will appear.
- Touch **EQ** to change preset equalizer: **User/Classical/Rock/Jazz/Pop**
- Touch Loudness to change option: Off/On
- To change **Bass/Treble/Fade/Balance**: Simply touch the desired option and use +/- to change to the desired settings.

Note: Bass/Treble cannot be changed if the equalizer is activated. Make sure EQ is set to User.



EQ Menu

Video Image Settings

- To change the **BRIGHTNESS/CONTRAST/COLOR**: On any mode, press PIC on the remote to bring up the image adjustment on bottom of screen, (see picture above).
- Use **▲▼** to cycle between **BRIGHTNESS/CONTRAST/COLOR**
- Use **◀▶** to change the setting.
- Repeat steps above for each option.

To quickly change the brightness of the screen:

- Press **DIM** on the unit repeatedly to change to the desired brightness.

Note: Make sure you write down your code and store in a safe place.



Video Image Settings

DISC/USB/SD Settings

DISC/USB/SD modes will have the following settings option: Touch the desire option to change.

- **Enter Password**: Touch "Enter Password" and "8888" (default) to change parental control settings, once entered correctly "Correct Password" will display. To change the password press correct password and key in the desired password (must be 4 digits), press enter when done.



Note: If you change the password please write down the new password somewhere safe.

- **Parental Control**: To change the parental control, enter the correct password then touch parental control and select from the following option: **Kid Safe/G/PG/PG-13/PG-R/R/NC-17/Adult**.
- **Subtitle**: Language options, **English/French/Spanish/Thai/Chinese/Auto/Off**.
- **DivX subtitle**: Language options, **ASCII/UNICODE/UTF8/TURKISH/CENTRAL EUROPE/CYRILLIC/ARABIC/THAI**
- **Audio**: Language options, **English/French/Spanish/Thai/Chinese/Russian**
- **DVD menu**: Language options, **English/French/Spanish/Thai/Chinese/Russian**



Basic Operation






Radio Mode

- Touch  Radio icon on the main menu or press **Mode** button on the unit repeatedly until it displays **"RADIO"** (Remote control use the **"SRC"** button).
- **Band Select:** Touch the **"BAND"** to select preset stations stored on FM1, FM2, FM3 and AM.
- **Manual Tuning:** Touch **◀▶** repeatedly to locate the desired frequency.
- **Automatic Tuning:** Touch **◀▶** to skip through available radio stations.
- **Storing Radio Stations:** Locate the station using **◀▶** or **◀▶** then touch and hold the desired number button (1-10) a beep will sound when set. Repeat for other number buttons and Band section.
- **Automatic Radio Station Storing:** To randomly store available frequencies to the number buttons, simply touch and hold for 2sec **"PS/AS"** button.
- **Radio Setup:** Touch  the setup icon on screen to enter Radio setup. Touch to the **"Radio"** to bring up the **"Radio Region"**. Default region is **"USA"** (other regions: Europe/China/OIRT)

*NOTE: This unit can store up to 30 FM frequencies (FM1=10, FM2=10, FM3=10) and up to 10 AM frequencies (AM=10). The default region for US is USA using other regions may result in improper frequency tuning.



CD/MP3 CD DISC Mode

- **Inserting a CD:** Press the  **"Eject"** button to open front panel then insert a Music/MP3 CD into the disc slot. (Make sure label is facing up). The unit will automatically switch to **"DISC"** mode start playing.
- **Track Select:** To skip forward or backwards through the tracks simply press **◀▶**.
- **Fast Forward/Rewind:** Touch **◀▶** to fast forward/rewind 2X, press again to fast forward 4X ... up to 8X. Touch Play to resume normal play.
- **Random Playing:** Press  button on the unit or remote once to play tracks in random order press again to turn random off.
- **Repeat Play:** Press  button on the unit or **"AMS/RPT"** on the remote to repeat what's currently playing, press again to turn off repeat play.
For MP3 playing: Press  2x, to repeat a whole folder press, press 3x repeat all, press again to turn off random.
- **INTRO Playing:** Press the  button to play the first 10seconds of each track on the CD press again to stop.

*NOTE: Intro and Random Play is only available for audio content.

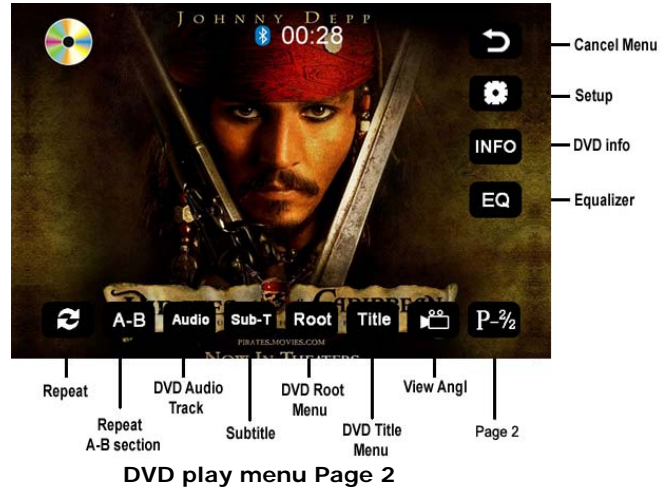


Basic Operation cont.

DVD DISC Mode

Note: USB PORT is for flash drive only, will not work for IPOD.

- **Inserting a DVD:** Press the ▲ “Eject” button to open front panel then insert a DVD into the disc slot. (Make sure label is facing up). The unit will automatically switch to “DISC” mode start playing.
- **Sub-Menu:** Touch center of the screen to bring out sub-menu. Refer to diagrams below for control.
- **Fast Forward/Rewind: 2X – 8X**
- **Repeat Play:** Repeat Chapter/Title/All Repeat Off



USB/SD Mode

- **Inserting USB flash drive:** Using the provided mini USB to USB converter plug in device into the unit. (Unit will automatically switch to **USB** mode).
- **Inserting SD card:** Press eject to bring LCD panel down and insert a SD with the label facing up. (Unit will automatically switch to **SD** mode).
- **Play Controls:** Please refer to the diagram below for all the control function.

*Note: If audio files are present, then the first track will play automatically.



AUX Mode

- To use AUX mode: Use RCA AUX input in the back of the unit to connect MP3 players, iPod or other device with RCA output.
- On the main menu touch **AUX**, or press MODE on unit or SRC on the remote to switch to **AUX** mode.

*Note: You can only control your attached device functions through your device.

Trouble Shooting

Problem	Reason	Conclusion
The unit will not turn on	Incorrect wiring connections. Fuse blown.	Make sure all the wires are properly connected. Please refer to the wiring diagram. Check car DVD fuse and the vehicle fuse for the radio.
Cannot use the remote control	Insufficient battery power. Obstacle blocking remote sensor.	Replace battery. (page 3) Make sure there is nothing blocking the path of the remote control to the sensor.
DVD/CD will not play, or play properly.	Disk is dirty or scratched. Disc isn't suitable for this unit. The video system of the disc is incompatible with the unit	Clean the disc with a soft cloth. Check disc compatibility. (see page 3) Change to another discs that is compatible with your system.
No sound/Volume or will not increase	Incorrect speaker wire connections, The unit is on mute, playing frame by frame, fast forwarding or rewinding is turned on.	Make sure all the speaker wires are connected properly with the unit and the speakers themselves. Un-Mute the unit. Make sure you are not in fast forward/frame by frame, etc...
Certain speaker will not output sound	Incorrect setup of the sound fields "Fader". Speaker might be damage.	Make sure all the connections from the unit and from the speakers are properly connected. Make sure all the speakers work properly.
LCD does not display picture, or say "picture off for safety."	"PRK SW" wire is not connected properly to the hand brake wiring. Car is moving. Parking brake is not applied, ("Picture off for safety"); wiring not properly connected.	Pictures will only appear when parking brake is applied for safety driving. Check wiring and make sure everything is properly connected. Consult a professional installer or call our customer service at 1-877-44-SUMAS . Make sure "PRK SW" wire is properly connected to the hand brake or ground.
When the power switch is turned on, there is a loud motor noise.	The machine is reading the disc. The Disc Drive is resetting to its normal position.	Normal function.
USB flash drive will not read.	Loose or dirty connection. USB flash drive bad/defective or not formatted properly.	Check/clean connection. Make sure the flash drive USB was firmly inserted into USB adaptor and the adaptor is securely inserted to the USB port.
No caption/subtitle.	You can only switch between items that are displayed. Current DVD disc does not have Caption.	Press "SUB-T" on the remote to switch on, If it will not display caption by Using disc menu to switch. Make sure DVD movie has caption/subtitle.
Does not play in the language or caption desired	Current disc may not have different or limited language or caption.	Make sure DVD movie has caption/subtitle with the desired language.
The pictures are obscure, distorted or blurred	Some discs have Anti-copy information on them, and will not read discs that have been copied	This machine is compatible with anti-copy system, However there may be some parallel lines or disturbances while playing. This does Not mean this machine is defective.
Does not play MP3 file	This machine will only play files with .mp3 as Mp3 do not use this extending name with a non Mp3 files.	Correctly name the files you are playing as .mp3. Make sure the files are correct MP3 audio files. (.WAV, or .WMA files that are renamed with .MP3 will not work) Audio files must be converted into .MP3 files.

Specifications

General

- Power Requirements 12V DC (11V-16V Allowable)
- Load Impedance 4Ω
- Max. operating current.....10A
- Max Power Output 45w X 4
- Frequency Response 20Hz ~ 20kHz
- Monitor 7" TFT LCD
- Number of pixel 800 x 480
- Installation size.....178mm x 100mm x 178mm
- Response time Ascending: 30ms; descending=50ms
- Viewing Angle Down: 65°, Up: 40°, Left: 65°, Right: 65°

DVD/CD Player

- Disc Play DVD, DVD-R/W, DVD+R/W, CD, CD-R/W, CD-DA, MP3, WMA, VCD, MPEG and JPEG
- S/N ratio >0dB
- Dynamic Range 95dB

Video Section

- Video System NTSC/PAL (auto ID)
- Video Output 1.0Vp-p (75Ω)
- Video Input 1.0Vp-p (75Ω)

AM Tuner Section

- Frequency Range 530kHz-1710kHz (USA)
- IF Range 450 KHz
- Usable Sensitivity (-20dB) 25dB

FM Tuner Section

- Tuning Range 87.5MHz – 107.9MHz
- IF Range 10.7 MHz
- Usable Sensitivity (-30dB) 15dB
- Signal-to-Noise Ratio 55dB
- Stereo Separation 30dB (1KHz)
- Frequency Response 30~15000Hz

