

# **SUMAS**<sup>TM</sup> Media

## **SM-787DFGB**



## **USER OPERATION MANUAL**



# TABLE OF CONTENTS

<b>Safety Information .....</b>	<b>1</b>
<b>Park Wire/Brake Wire .....</b>	<b>1</b>
<b>Installation and Removal .....</b>	<b>2</b>
<b>LCD Panel Installation and Removal .....</b>	<b>3</b>
<b>Maintenance, Playable DISC, DVD Care, MP3 .....</b>	<b>4</b>
<b>Replacing Remote Control Battery.....</b>	<b>4</b>
<b>Remote Control .....</b>	<b>5</b>
<b>Remote Control Functions .....</b>	<b>6</b>
<b>Front Panel Functions .....</b>	<b>7</b>
<b>Basic Setup .....</b>	<b>8</b>
<b>Radio Mode .....</b>	<b>9</b>
<b>CD/MP3 CD DISC Mode .....</b>	<b>9</b>
<b>DVD DISC Mode .....</b>	<b>10</b>
<b>USB/SD Mode .....</b>	<b>10</b>
<b>Auxiliary Mode .....</b>	<b>10</b>
<b>Bluetooth .....</b>	<b>11</b>
<b>GPS Operation .....</b>	<b>12-14</b>
<b>Trouble Shooting .....</b>	<b>15-16</b>
<b>Specifications .....</b>	<b>17</b>
<b>Accessories .....</b>	<b>18</b>

## 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 properly, 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

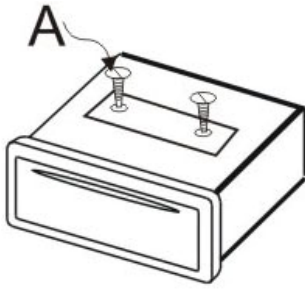
When replacing the fuse, be sure to use one matching the amperage rating stated on the original fuse.



### **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 to (-) 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.

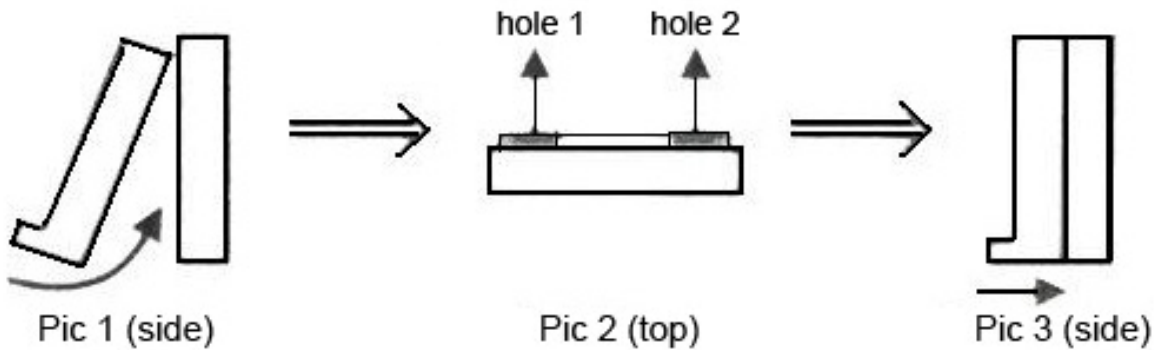


## **Unit Installation & Removal**

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.

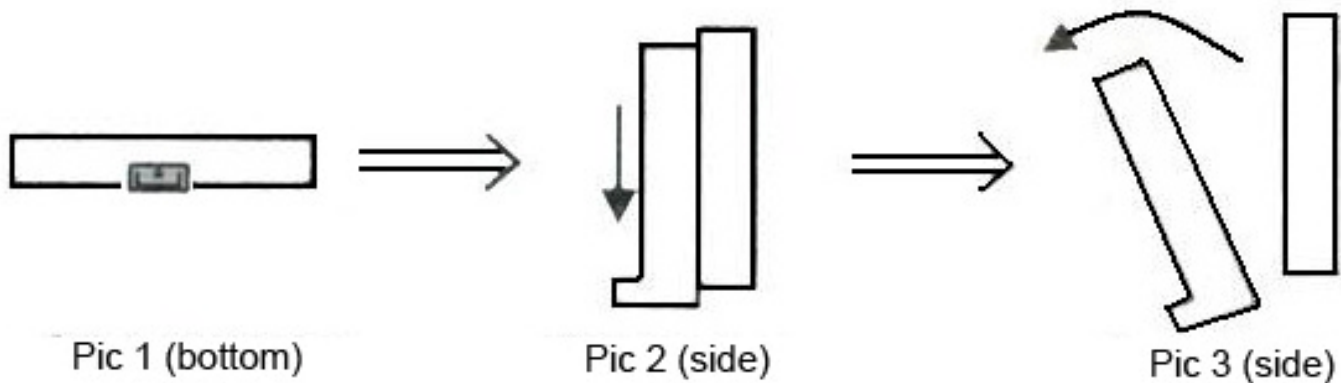
# LCD Panel Installation and Removal


## Attaching the LCD panel



1. Tilt the LCD panel in slight angle (Pic 1) and insert the 2 tabs from the LCD panel to the 2 square holes on top of the unit (Pic 2), and push the bottom of the LCD panel into place until you hear 2 clicks for proper locking.
2. Gently pull the bottom of the LCD panel to make sure it is securely attached.

## Detaching the LCD panel



1. Press the release  button on the bottom of the unit (Pic 1).
2. Gently push down the LCD panel (Pic 2). Then pull out the LCD panel from the top to remove (Pic 3).

## 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

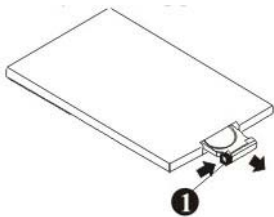
This machine will play files with .mp3 as MP3; do not use this extending name on non mp3 files so as avoid noises and other problems.

### MP4

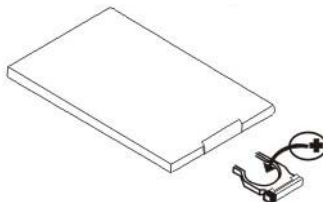
Due to some new version restriction on decoding, this unit will play most of the format but some of the newer version will not. It can also play most of the .avi files with MPEG 4 codec.

## Replacing Remote Control Battery

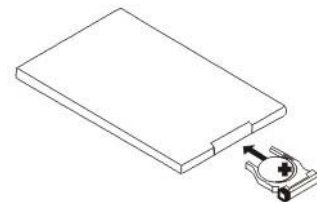
\* When the range of the operation of the remote control becomes short or none functional at all. Replace the battery with a new button cell. Make sure to purchase the same size battery.



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

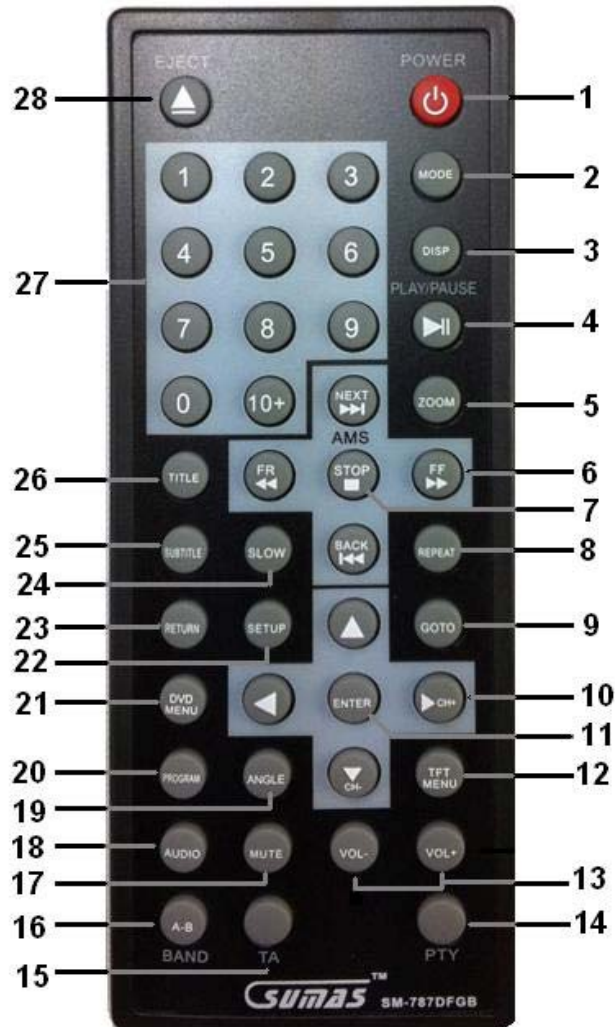


2. Put the button-type battery (+) mark upward into the battery holder.



3. Insert the Battery Holder into the Remote Control.

# Remote Control



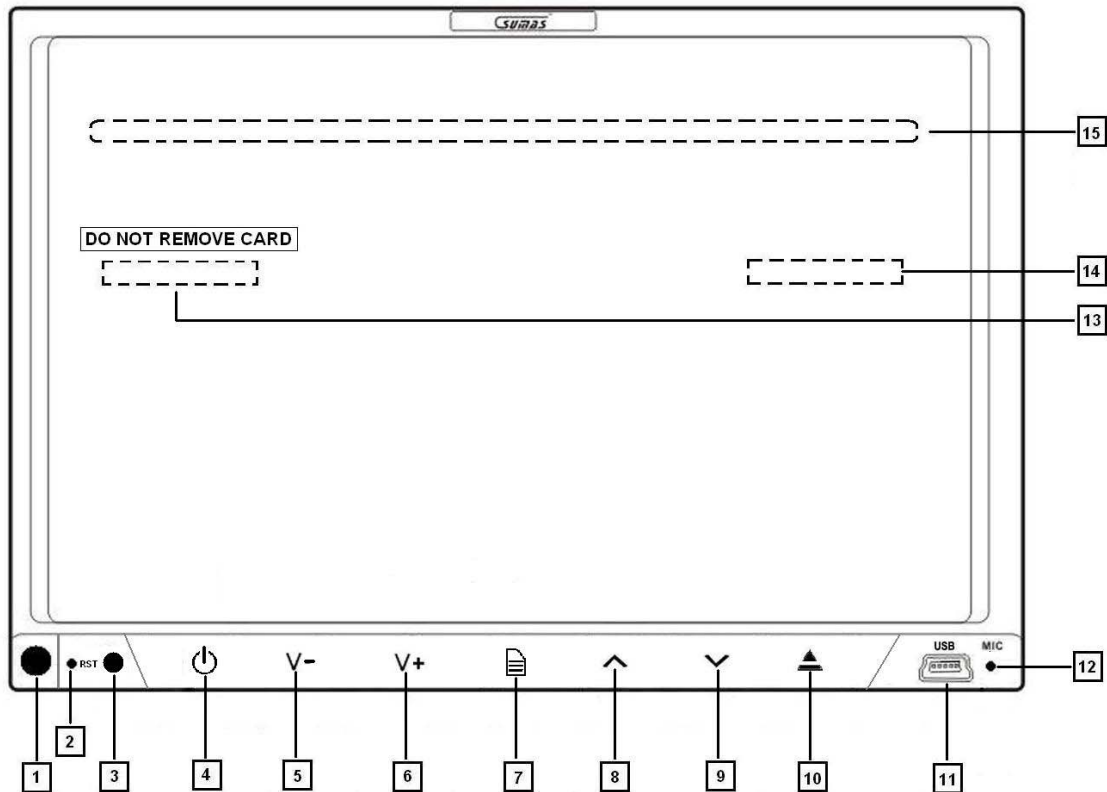
- |  |                         |
|--|-------------------------|
| 1.  POWER  | 15. TA                  |
| 2. Mode  | 16. A-B                 |
| 3. Display   | 17. Mute                |
| 4.  PLAY/PAUSE   | 18. Audio               |
| 5. Zoom  | 19. Angle               |
| 6.  Previous/Next track/chapter,<br>Radio station seek +\- | 20. Program             |
| Fast forward/reverse                                       | 21. DVD Menu            |
| 7.  STOP/AMS   | 22. Setup               |
| 8. Repeat  | 23. Return              |
| 9. GOTO  | 24. Slow                |
| 10.  Directional keys                                      | 25. Subtitle            |
| 11.  Enter   | 26. Title               |
| 12. TFT Menu   | 27. 0-9, 10+ number pad |
| 13. VOL + / VOL -  | 28.  EJECT              |
| 14. PTY  |                         |



# Remote Control Functions

1. **⏻ Power** – Press once to turn unit off press again to turn unit off
2. **Mode** - Press switch to other modes
3. **DISP** – Shows info on what's playing
4. **▶||** - Play/Pause
5. **ZOOM** – Zoom in to enlarge the video
6. **◀◀ ▶▶** Previous/Next track/chapter, radio station seek +\-, **◀◀ ▶▶** Fast forward/reverse
7. **■/AMS** – Stop play, or while in radio to mode press to Auto Memory Store
8. **REPEAT** – Repeat track/chapter/folder or the whole disc
9. **GOTO** – Allows you to go to a specific track/chapter
10. **▲▼◀▶** - Up/Down/Left/Right Direction keys
11. Enter – Press to confirm action
12. TFT menu – Press to go to the main menu
13. **VOL + / VOL -** – Turns volume up + or down –
14. **PTY** - Press to scan for news & info, classics, popular and other
15. **TA** – Press to scan for traffic announcements or alerts
16. **A-B** – Repeat play, set A to B section to repeat play
17. **Mute** – Enable/Disable sound
18. **AUDIO** - Turning on Audio commentary, Different language (if available on DVD)
19. **ANGLE** – Viewing angle (DVD must support multiple viewing angles)
20. **Program** – Press to enter program what chapters/tracks you want to play
21. **DVD Menu** – Press to go to DVD menu
22. **SETUP** – Enter system setup
23. **Return** – Press to exit out of the setup screen
24. **Slow** - Press to do slow motion play 1/2, 1/3, 1/4, 1/5, 1/6 and 1/7 speed
25. **SUBTITLE** – Cycle through Subtitle options
26. **TITLE** – Title menu while playing DVD's
27. **0-9, 10+** – Numeric Pad for preset radio station or to skip to track/chapters
28. **▲ EJECT** – Disc eject

# Front Panel



1. **AUX IN** – Use to connect MP3/Cell phones via 3.5mm audio cable (not included)
2. **RST** – Reset button (when unit is not functioning properly, use the included push pin to reset; make sure the unit is turned on then insert the into the Reset pin hole).
3. **IR Receiver** - Infrared receiver for remote control
4. **⏻ POWER/Mode** - To turn unit on/off and to cycle between modes
5. **V-** – Volume adjustment down
6. **V+** – Volume adjustment up
7. **☰/Main Menu** – Press to go to the main menu
8. **⤴** – LCD angle Up adjustment select from 4 different view angles
9. **⤵** – LCD angle Down adjustment select from 4 different view angles
10. **⏏ EJECT** – Press to eject or load CD/DVD/SD cards
11. **Mini USB Port** – Use included USB adapter to insert a USB flash drive, this port will not support iPod or charge an iPod
12. **MIC** – microphone for Bluetooth call function

## AND BEHIND THE FRONT PANEL:

13. **GPS SD Card Slot** (DO NOT REMOVE CARD, it will disrupt preset program)
14. **SD/MMC Card Slot** – Use standard SD/MMC cards
15. **CD Slot** – Use to insert CD/DVD/VCD/MP3 discs

# 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 on the unit 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 **Menu** icon on the unit to bring up the main menu then touch the desired mode or press **Mode** on the remote control repeatedly to cycle through the **Modes**. (Radio, DISC, USB/SD Card, BLUETOOTH, AUX IN, CAMERA and GPS).
- While on the main menu simply press the desired mode.
- To go to the main menu while on any mode press the top right corner of the screen (Radio, BT, etc..).

**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

Press Setup **Settings** icon on the main menu to bring up the **"System Setup"**. This will display the General, Video and audio settings.

### General Settings

- Touch **Settings** to enter the general setup
- **CLOCK SETUP:** Simply touch and press the +\/- to next to the "HRS" and "MIN" to adjust the time an minutes to the correct time. Touch time switch between 12hour or 24hour mode. Under "CLOCK SW" select "ON" to display time, select "OFF" to not display the time.
- **TOUCH:** Use this feature if you're having problem with the touch screen (i.e. Touch is not accurate) Press to calibrate touch screen, you will be asked to touch the 4 corners and the center of the screen. When calibrated properly it will display "success".
- **SAFETY:** Not enabled
- **AREA:** Allows you to change radio frequency **US.R** (USA with RDS), **USA**, **EU.R** (Europe with RDS), **EUR** (Europe), **JAP** (Japan) and **RUS** (Russia)

**Note:** The default frequency will be US.R.

### Video

This feature will allow you to change the video Brightness, Color and Contrast, or select the preset, Light, Dark Stand and USER.

- **To Change settings:** Simply touch and press the +\/- to next to the options you want to change each option to the desire output, or touch the presets to get the desire outlook.

### Audio

This feature will allow you to change the Bass, Treble, Fader, Balance, turn Loud ON/OFF and/or select one of the equalizer presets.



General Setup



Video Setup



Audio Setup

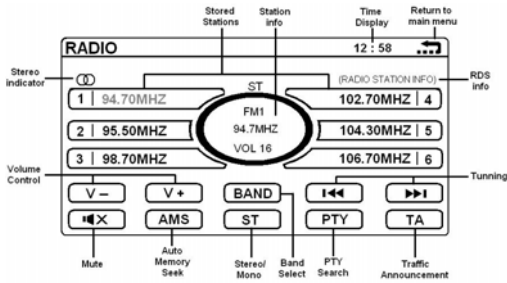
# Basic Operation

## Radio Mode

Note: This radio includes a special feature called "RDS" which will display radio station name, artist/band name and the title of the song that's currently playing. (not all radio stations may broadcasting this type information)

- Touch Radio icon on the main menu or press **Mode** button on the remote repeatedly until it displays "RADIO".
- **Band Select:** Touch the "BAND" to select preset stations stored on FM1, FM2, FM3, AM1 and AM2.
- **Manual Tuning:** Touch or repeatedly to locate the desired frequency.
- **Automatic Tuning:** Touch and hold or to skip through available radio stations.
- **Storing Radio Stations:** Locate the station using or , then touch and hold the desired number button (1-6 / FM 1-3, AM1 & 2AM) to set. (the radio station will turn blue when set) Repeat steps for other number buttons and Band section.
- **Automatic Radio Station Storing:** To randomly store available frequencies to the number buttons, simply touch and hold the "AMS" button for about 2sec (until radio start searching for available stations).
- **PTY search:** Press and hold for 2 seconds to scan for news & info, classics, popular and other.
- **TA:** Press and hold for 2 seconds to scan for any traffic announcements or alerts.

\*NOTE: This unit can store up to 18 FM frequencies (FM1=6, FM2=6, FM3=6) and up to 12 AM frequencies (AM1=6, AM2=6). The default region for USA is US.R using other regions may result in improper frequency tuning.



RADIO MODE



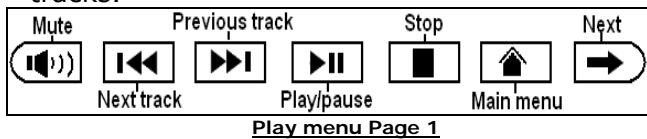
Mixed MP3/Picture/Video CD/DVD



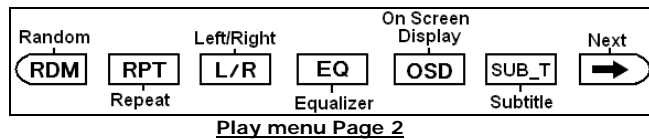
Audio CD

## Playing Audio CD & MP3 CD/DVD Disc

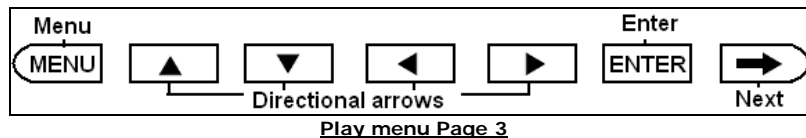
- **Inserting a CD:** Press the "Eject" button to open front panel then insert a Music/MP3 CD/DVD into the disc slot. (Make sure label is facing up). The unit will automatically switch to "DISC" mode and start playing.
- **Track Select:** When playing a regular audio CD, touch the lower part of the screen to bring up the play menu (see images below). To select specific tracks when playing an MP3 or Mixed CD/DVD, simply touch the desired track on the track list. Touch the top or bottom of the scroll bar to scroll down the page of tracks.



Play menu Page 1



Play menu Page 2



Play menu Page 3

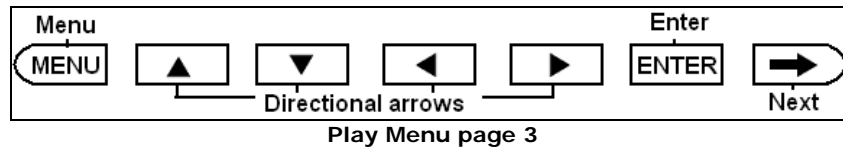
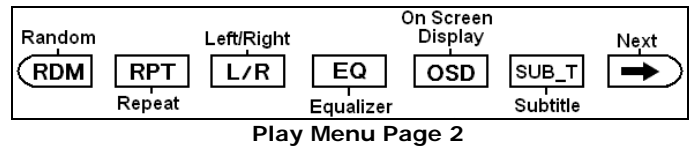
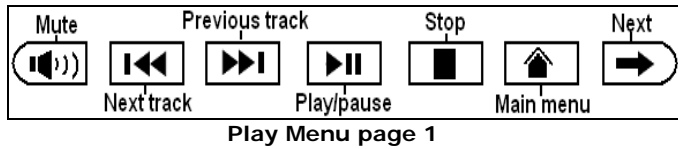
- **Fast Forward/Rewind:** Touch and hold or on the remote to fast forward/rewind 2X, press and hold again to fast forward 4X... up to 20X. Press Play/Pause to resume normal play.
- **Random Playing:** Press **RDM** button on the unit once to play tracks in random order press again to turn random off.
- **Repeat Play:** Press **RPT** on the play menu or "REPEAT" on the remote to repeat what's currently playing, press again to repeat all tracks, and press again to turn off repeat play. For MP3 music: Press 1x to repeat current track, 2x, to repeat a whole folder press, press 3x repeat all, press again to turn off random.
- **Play/Pause:** Press on the play menu or remote to play or pause the current track.
- **Stop Play:** Press on the play menu or remote to stop play on the current track.

\*NOTE: Random Play is only available for audio contents.

# Basic Operation cont.

## Playing DVD/VCD DISC

- **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 the lower part of the screen to bring out sub-menu. Refer to diagrams below for control.
- **Fast Forward/Rewind:** and hold ⏮ or ⏭ or ⏪ or ⏩ on the remote to fast forward/rewind 2X, press and hold again to fast forward 4X... up to 20X. Press Play/Pause to resume normal play.
- **Repeat Play:** Repeat on the play menu or Chapter/Title/All Repeat Off

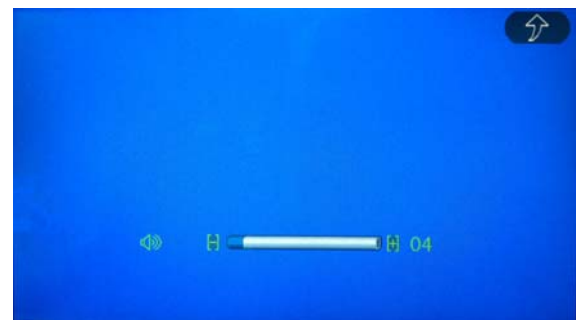
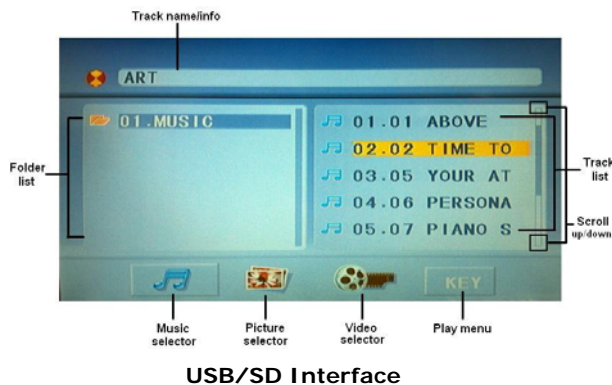


## Playing USB/SD

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

- **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). Or press or on the main menu.
- **Inserting SD card:** Press the ▲ “Eject” to bring LCD panel down and insert a SD card with the label facing up. (Unit will automatically switch to **SD** mode).
- **Music:** Press the “Music” icon on the screen to switch to the music mode. To play a track, simply touch the desire file in the track list.
- **Pictures:** Press the “Picture” icon on the screen to switch to the picture mode. To view a photo/image, simply touch the desired file in track list.
- **Videos:** Press the “Video” icon on the screen to switch to the video mode. To play a movie/video, simply touch the desired file in the track list.
- **Play Controls:** Press “KEY” on the screen and refer to the “Play Menu” diagrams above for all the control functions.

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



## AUX Mode

- To use AUX mode: On the main menu touch **AUX In**, or press MODE on the remote to switch to **AUX** mode.
- Use the included RCA to 3.5mm audio cable to connect to RCA AUX input on the back of the unit or the included 3.5mm to RCA audio/video adapter to plug into the front AUX, you can also use a 3.5mm audio cable (not included) to the AUX input on the front of the unit to connect MP3 players, such as iPods.

\*Note: You can only control the attached device functions through your device. The blue background cannot be change.

# Basic Operation cont.

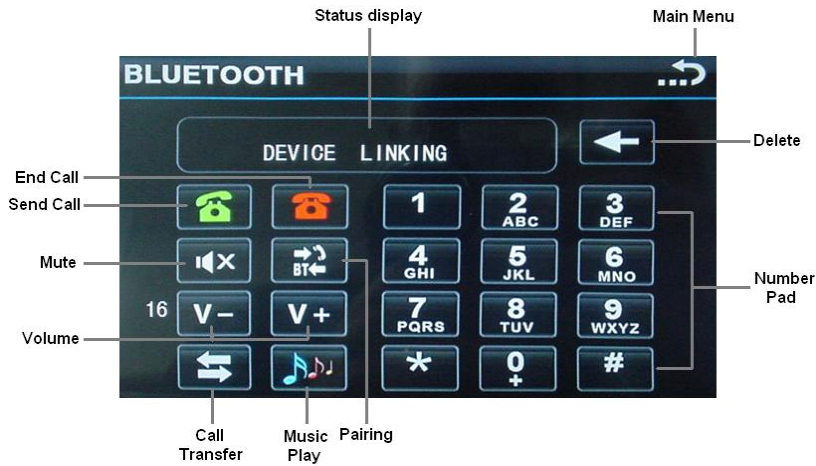
## Bluetooth Mode

**Note:** This feature only offer a very basic on pick up and manual dial out function, due to flash capacity available limit.

### Pairing

- Switch to Bluetooth mode touching the "Bluetooth" icon on the main screen, or press the mode button on the remote repeatedly until you reach Bluetooth mode.
- Once on the Bluetooth screen touch the pair icon to start the pairing process. (Display will show "Device Linking").
- Turn the Bluetooth on your cell phone and select "Search for device", car DVD will show up as "BigSound".
- Select the device and enter the default password "8888" when prompt.
- Once paired, the unit will display "Device Link Success".
- To make phone calls simply dial the number using the on screen keypad and press send icon, to end call press end icon.
- To answer incoming calls simply press send icon. To dismiss a call press end icon.

**Note:** Different cell phone brands and models may have different ways of connecting to a Bluetooth device, please refer to your user manual for detail instructions. Call waiting and recent calls will only show up on your phone.



## Bluetooth Music

This feature will allow you to play music from your Bluetooth enable cell phone with A2DP feature.

- Once paired, press the music icon to bring up the Bluetooth music control screen.
- Press play on the screen to start playing your music. Use the
- Or press play from your cell phone and select the audio out to Bluetooth.

**Note:** Not all cell phones with Bluetooth is capable of playing music via Bluetooth, please check feature and specification of your cell phone to verify compatibility.

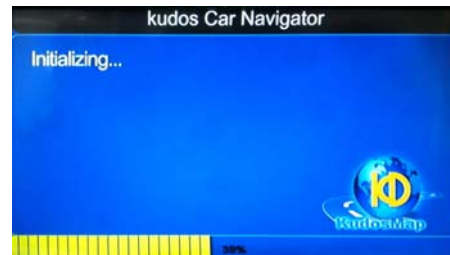


# GPS Operation

**Note:** At no circumstances should you remove the inserted SD Map card behind the panel, removing the card may result in programming lost and disruption of function that will not be covered under warranty!

To Start GPS Navigation: Touch "GPS" from the main menu screen. When the GPS starts the disclaimer will show up.

**Disclaimer:** Please read and agree to the disclaimer, check the "Don't show this statement again" if you don't wish to see it again. Once you've agreed to the disclaimer, the kudos GPS software will begin to load.



**Main Menu:** Touch anywhere on the screen to bring up the "Main Menu" and "Car Position" on the top of the screen. Then touch "Main Menu" to bring up the "Main Menu" screen (the following will display: "Go to", "Settings" and "Map Options"). Your current position will be shown after start up, if not touch anywhere on the screen to bring up "Car Position" and "Main Menu" and click on "Car Position".



Current Location



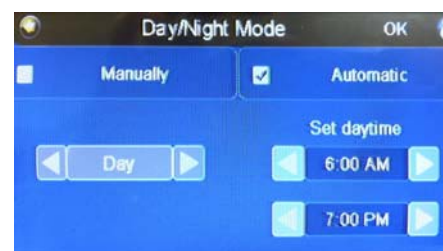
Main Menu

**Settings:** Press "Settings" to enter the settings page: This will display the following:

- **Language:** This will allow you to select your desired language (English, Deutsch, Spanish, French, Italian and Chinese)
- **Safety Alert:** This option will allow you to setup and alert when you've pass the speed limit. You can set the alarm to sound when you have passed the speed limit by +5%, +10%, +15% and +20%.
- **Trace Record:** This will allow you to show trace record of where you have traveled.
- **Address book:** This will allow you to add addresses to you address book.
  - To add an address, touch "Add" on the bottom of the screen (this will bring up the "Search Menu"). From here you can select from the following: **Address, Point of Interest, Point on Map, Recent Destinations, Coordinates** and **Home**. (See "Go To" for detailed explanation).
  - Once you have inputted or selected an address you can then add/edit the name, add a telephone number and remark. Then touch "OK" to save it.
  - To delete an address: Select the address (will become highlighted) then touch "Delete".
  - To edit an address: Select the address (will become highlighted) then touch "Edit", this will allow you to edit the following: Name, Address, Tel, and Remark.
- **On Map:** Touch to view the selected address on the map.



Settings



Day/Night Mode

## GPS Operation cont.

- **Day/Night Mode:** This will allow you to change between day and night modes of the navigation system.
  - **Manually:** Allows you to set Day/Night mode manually.
  - **Automatic:** Allows you to set the Day/Night mode automatically to a set time for "**Day Mode**" and a set time for "**Night Mode**".
  - Once you have selected the desired setting make sure to touch "**OK**" on the top right to save.
- **Set Home Address:** This will allow you to set your home address.
  - To set the home address: Touch "Set Home Address", (this will bring up the "**Search Menu**"). From here you can select from the following: **Address, Address Book, Point of Interest, Recent Destinations, Coordinates** and **Point on Map**. (See "Go To" for detailed explanation).
  - Once the desired address is inputted or selected, a pop-up screen will show "**Set home address successfully**".
- **GPS Status:** This will show the following information; Date/Time, Vehicle speed, Altitude, HDOP, Number of Satellites, Longitude/Latitude and how many satellites are active or inactive.
- **Mile/Kilometer:** Touch to select between Mile or Kilometer.

**Map Options:** Touch to bring up Map options and show the following:

- **North Up:** This will make the map always pointing north.
- **Heading Up:** This will make the map point to you heading.
- **3D:** This feature will show the map in 3D (3 Dimensional map)
- **2D:** This feature will show the map in 2D (2 Dimensional map)
- **Day:** This will display the map in a lighter color to make it easier to see during daytime.
- **Night:** This will display the map in a dark blue color to make easier to see during the night.
- **Highway signpost:** This will enable/disable displays of up-coming roads/highways signs.
- **Voice Guidance:** This enable/disable the voice guidance for your navigation.
- **Auto Zoom:** This will make the map automatically zoomed-in.



**Go To:** Touch "Go To" to enter the "**Search Menu**". This will show the following:

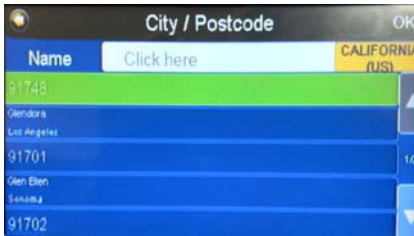
**Note:** The default state of the GPS is New York. To change to your state, simply go to "Address" and touch "12345", then on the upper right side will display "NEW YORK" (in yellow, see images below) click on "NEW YORK" to display the states list, use ▲▼ to select your state and click "Next" on the top right corner of the screen.

- **Address:** This will allow you to type-in an address to navigate to.
  - Touch address to manually input an address. Touch the white box stating "**Click here**" and input the name of the city or postal zip code, then touch ok to confirm. If the desired city or zip code is not listed select any that available and touch "**OK**". When the "**Address Search**" screen comes up touch City/Pcode to edit, on the right side of "Name" you will see the current state you're on, touch it to select the appropriate state. Use ▲▼ arrows to browse the states, touch the desired state to select and then touch "**Next**" on the top right corner of the screen. You can then input your desired city or zip code, touch "**OK**" to confirm selection.
  - Touch "**Click here to search road**" to input the destination road name, touch "**OK**" to confirm selection.
  - Touch "**Click here to search house number**" to input the house/building number of the destination. Then touch "**OK**" 2x to confirm.
  - (This step is optional) Touch "**Click here to search crossroad**" to select the appropriate crossroad for your destination.
  - Once you've entered all the information for the destination, touch "**OK**" to bring up the "**Route Plan**".



## GPS Operation cont.

- **Route Plan:** From here you can either add another destination or delete a destination. Touch "Go" navigate to the inputted destination. Touch "Options" to bring up "Route Options", select from "Use of Highway", "Car Pool", "Avoid Tolls", "Use of Ferries" and "Quickest Route". Touch "OK" when done. Touch "On Map" to bring up the destination on the map. Touch "OK" or "Back" to return to "Route Plan". Touch "Simulate" to simulate the route you will be taking. Touch "Go" to start. Touch the "Menu" icon to view the "Route Navi Menu" and select from the following: **Route Plan, Detour, Recalculate, Route information, Map Options, Settings and Terminate.**
- **Address Book:** This will allow you to view saved addresses.
  - To select a saved address, simply touch the desired address and press "OK" this will bring up "Route Plan". (See above for explanation).



- **Point Of Interest:** This will bring up the point of interest menu.
  - Touch "Point Of Interest" to bring out the "POI Menu" and select from the following: Near Current Position, POI in City and POI Search by Phone.
    - **Near Current:** This will allow you to search all local Points of Interest like accommodation, airport, medical, gas station, etc...
    - **Around Address:** This will allow you to select a specific city and search all of the POI in that city.
    - **POI Search by Phone No:** This will allow you to search POI by phone number in any city.
    - Once you have selected the POI, touch "OK" to bring up the Route Plan and select "Go" to navigate to your destination.

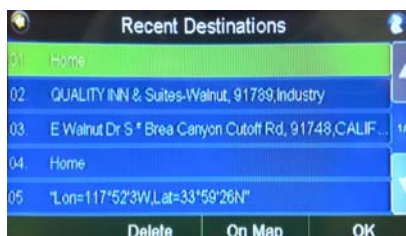


Point of Interest



Point on Map

- **Point on Map:** This will allow you to select a point on the map and navigate to it.
  - You can touch and drag the map on the screen to move the map, once you have found your desired destination, touch the map to put the cursor on a point on the map and touch "OK" to confirm and bring up the "Route Plan". Touch "Go" to navigate to the destination.
- **Recent Destinations:** This will bring up all the recent destinations.
  - To select a recent destination, simply touch the desired address and press "OK" this will bring up "Route Plan". (See above for explanation).
- **Coordinates:** This will allow you to type in the desire coordinate for your destination.
  - To input coordinates, touch "Coordinates" and input the Longitude and Latitude using the on-screen keypad.
- **Home:** This will allow you to navigate to the set home destination.



Recent Destination



Coordinates

## Trouble Shooting

Problem	Reason	Conclusion
The unit will not turn on, or not getting power at all.	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. Try connecting the unit direct to the battery, put the yellow and red wire together to the positive (+) terminal of the battery and the black wire to the negative (-) terminal of the battery.
Cannot use the remote control	Insufficient battery power. Obstacle blocking remote sensor.	Replace battery. (page 4) 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 4) 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/all speakers will not output sound	Incorrect setup of the sound fields "Fader". Speaker might be damage. Incorrect wiring	Make sure all the connections from the unit and from the speakers are properly connected. Try connecting the speaker direct to the unit. Make sure all the speakers work properly.
Where can I hook up an amplifier	RCA audio out puts	You can hook up you amplifier to the front/rear (red/white) RCA audio outputs.
LCD does not display picture, or say <b>"Attention You can not use this function while driving."</b>	<b>"BRAKE"</b> wire is not connected properly to the hand brake wiring. Car is moving. Parking brake is not applied, ( <b>"Attention You can not use this function while driving"</b> ); 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 <b>1-877-44-SUMAS</b> . Make sure <b>"BRAKE"</b> 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.

## Trouble Shooting cont.

Problem	Reason	Conclusion
My iPhone/iPod/MP3 player will not connect via USB	Incompatible device	The USB port can only be use to with a USB flash drive up to 8GB in size. To connect your iPhone/iPod/MP3 players you must use the AUX input either from the back of the unit or the front.
No caption/subtitle.	You can only switch between items that are displayed. Current DVD disc does not have Caption.	Press " <b>SUB-T</b> " 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.
How do change the Bass/Treble/Balance/Fader	Settings menu	To change the Bass/Treble/Balance/Fader you will need to go to the main menu and select the settings on the top left corner of the screen. (see page 8)
Cannot play music/video/picture files from my SD/USB drive	Incompatible formats, SD/USB drives not formatted properly or capacity is too big.	Make sure that the media files are in the correct format, for example; Pictures .jpg, music .mp3, video .avi with mp4 compression. Make the SD/USB drives are formatted as FAT32 and it does exceed 8GB.
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.
Why is the time military time?	Time setting needs to be changed.	To change the time to 12hours you will need to go to the main menu and select the settings on the top left corner of the screen. (see page 8)
Cannot locate or find an address.	Invalid Address, GPS has no signal.	Make sure that the address is correct and you're in the correct state. Check GPS signal under " <b>GPS Status</b> " in the GPS settings.
GPS will not start.	GPS has no signal or unit frozen.	Check GPS signal under " <b>GPS Status</b> " in the GPS settings. Reset unit and start over.
GPS say's "Not find navigation software!"	GPS software corrupted!	Please call Sumas Media's toll free number 1-877-44-SUMAS (1-877-447-8627)

# Specifications

## General

- Power Requirements ..... 12V DC (11V-16V Allowable)
- Load Impedance .....  $4\Omega$
- 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 ( $75\Omega$ )
- Video Input ..... 1.0Vp-p ( $75\Omega$ )

## 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

# Accessories



Wiring Harness



USB Converter



Front AUX audio/video adapter



GPS Antenna



Push pin



Mounting Brackets



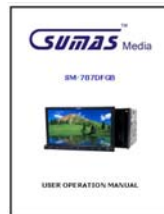
Screws



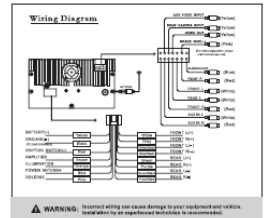
Carry Pouch



Remote Control



Operation Manual



Wiring Diagram