

Epsilon Electronics warrants this product to be free from defects in materials and workmanship under normal use and conditions, for a period of 1 year from the original date of purchase, if purchased and professionally installed by an authorized dealer. Any product purchased from and/or installed by others will be warranted for 90 days only. This warranty does not cover any expenses incurred in the removal or re-installation of the product, and is offered to the original purchaser only.

Should service be necessary for any reason, due to a manufacturing defect or malfunction during the warranty period, Epsilon Electronics will repair or replace, at its discretion, the defective merchandise at no charge upon delivery of the product to the address shown below, with proof of purchase. Before returning the product for service:

- Enclose with the defective product a brief description of the problem with a name and daytime phone number so we may be in contact with any questions or concerns regarding the return.
- Enclose a copy of the original sales receipt for proof of purchase and installation.
- Enclose a \$15.00 US certified check or money order to cover shipping and handling for return of the product. Do not include cash.

Carefully pack the product to protect it from damage during shipping and send it prepaid to:

Epsilon Electronics
1550 S. Maple Ave.
Montebello, CA 90640
Attn. Customer Service

Ph: 800-724-1377 Fax: 323-722-8125

Please note, the warranty will not cover the following:

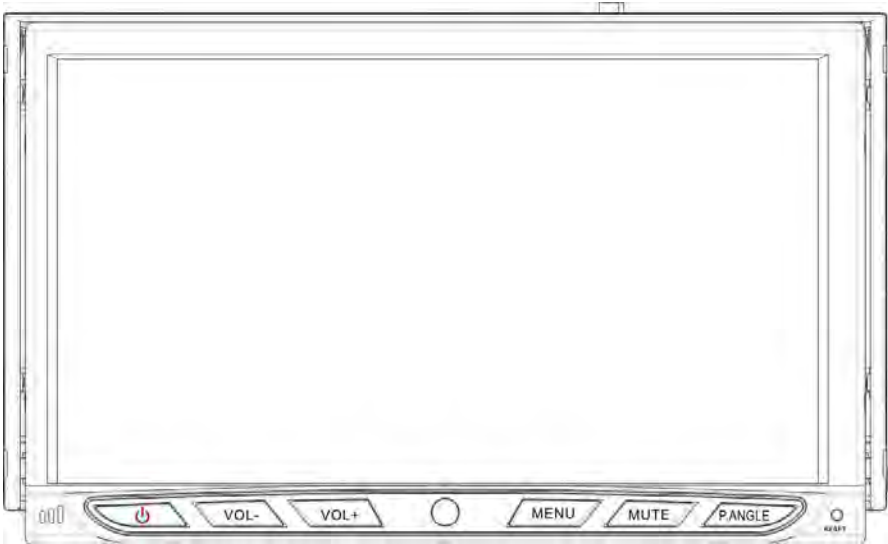
- Any product that has been misused or physically damaged.
- Any product that has been installed incorrectly. (i.e. over powered, incorrect enclosure, incorrect wiring, etc.)
- Any units that have been previously opened or repaired by a service center which is not authorized by Epsilon Electronics.

Any applicable implied warranties, including the warranty of the merchants ability are limited in duration to a maximum of 2 years from the date of the original purchase at retail and no warranties, whether expressed or implied, shall apply to this product there after. Under no circumstances shall Epsilon Electronics be liable for any loss or damage, direct or consequential arising out of the use of, or inability to use this product. (some states do not allow for limitations of implied warranties or exclusion of consequential damage therefore these restrictions may not apply.)



OWNER’S MANUAL

Car Multimedia System



✂ _____

Owners Registration Card.

Please complete and return immediately to the address on the reverse side

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Vehicle Make/Model: _____

Product Model: _____

Serial Number: _____

Date Purchased: _____

Name of Dealer: _____

Dealer Address: _____

City: _____ State: _____ Zip: _____

Phone: _____ Website: _____

2-DIN A/V SOURCE UNIT W/ 7” LCD TOUCH SCREEN

Please Keep This Information For Your Records

Product Model: _____

Serial Number: _____

Date Purchased: _____

Name of Dealer: _____

Dealer Address: _____

City: _____ State: _____ Zip: _____



STAMP

Epsilon Electronics
1550 S. Maple Ave.
Montebello, CA 90640
Attn. Customer Service

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FEATURES

- 7" Digital LCD Touch Screen w/LED Backlight
- 800x480 High Definition Screen Resolution
- Motorized Angle Adjustment&Last Angle Memory
- Playback from DVDR/RW&CDR/RW,of MP3,MP4,DivX&AVI
- Recall Memory For Last DVD Position
- Blue Tooth V2.0 & A2DP for Wireless MP3 Playback
- 32GB USB2.0 & SD Readers for MP3, MP4, DivX, & AVI
- Rear Panel RCAUX A/U Input
- 4-Channel 2V Pre-Amp RCA Audio Outputs
- Fixed Subwoofer Output LPF-80Hz
- A/V Outputs for Multiple Component Integration
- Rear View Camera Input w/ Trigger
- 52x4 MOSFEET Powered Speaker Level Outputs
- 18FM/12AM Station Memory
- Selectable Region FM/AM Frequency Stepping
- Custom & Preset EQ Settings
- 12/24 Hour Clock
- NTSC/PAL Auto Selection
- Built-in Analog TV Tuner(select models only)

Bluetooth Features (select models only)

- Work with Most Bluetooth Enabled Phones
- Noise & Echo Cancellation
- Contact List Transferred for Easy Access Dialing
- Caller ID Shows Number from Contacts List
- Recent Calls & Talk Time Logs
- A2DP for Wireless MP3 Playback

DISC NOTES

Handling and Cleaning

- Dirty, dusty, scratched or warped discs will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damage.
- Do not place discs in the following places:
 1. Direct sunlight.
 2. Dirty, dusty and damp areas.
 3. High temperature places.
 4. On the seats or dashboard.

Disc Cleaning

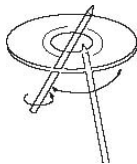
Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moist with isopropyl (rubbing) alcohol. Never use solvent such as benzene, thinner or conventional record cleaners which may mar the surface of the disc.

NOTE:

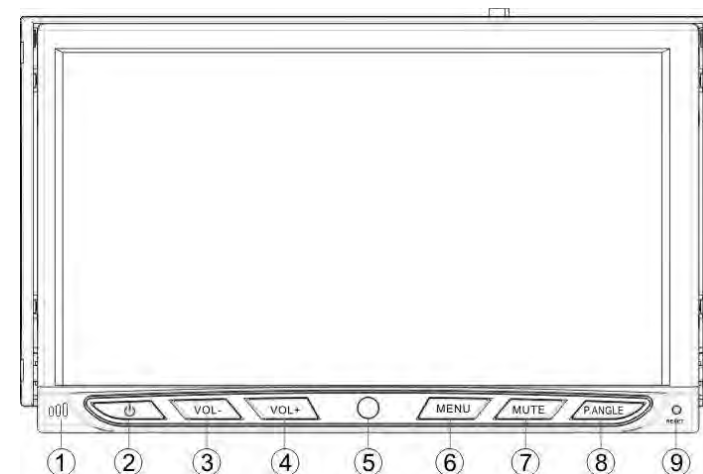
A disc may become somewhat scratched (although not enough to make it unusable) depending on your handling it in the condition of the usage environment. These scratches are not an indication of any problem with the player.

Repairing New Discs with Rough Spots

A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ballpoint pen or pencil. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.



Front Panel



1. MIC

Microphone for use with Bluetooth hands free calling.

2. POWER/SRC

Press to turn the unit ON, holding the button will turn off the unit. When the unit is on, press to switch between different sources.

3. [VOL-] / 4. [VOL+]

Press to decrease / increase the volume. Holding the button will keep decreasing/increasing the volume.

5. Remote Sensor

Receives remote infrared receiver signals

6. MENU

Press the button to enter the main menu.

7. MUTE/EQ

Press to mute/ unmute sound.

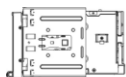
Press to adjust the EQ setting as following:

JAZZ – ROCK– CLASSIC – POP – DEF.EQ – JAZZ

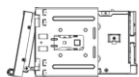
8. Eject/P.Angle

Press to open / close the monitor to eject/insert the disc or insert/take out a SD card. Holding the button will enter angle adjustment mode, press it again to adjust the angle of the front panel as following:

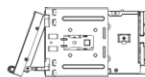
Angle 1 → Angle 2 → Angle 3 → Angle 4



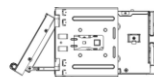
Angle 1



Angle 2



Angle 3

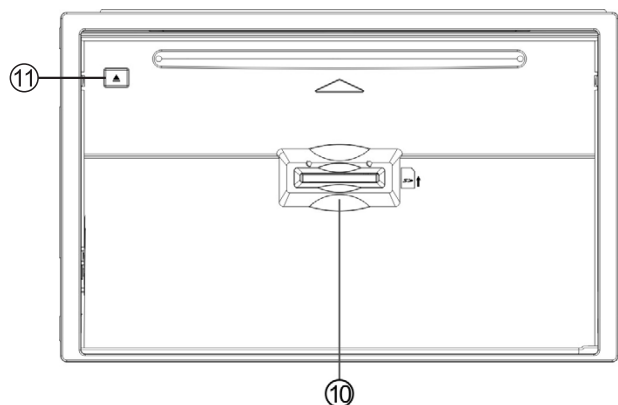


Angle 4

9.Reset

Press and hold this button for 3 sec to switch back to all the original factory settings. Keep in mind this will erase all your preset radio stations and any EQ settings you may have made and saved.

10.SD CARD SLOT



The unit will be switched to the SD CARD Source automatically when an SD CARD is connected.

11.EJECT

Interruption occurred during MP3 playback	Disc is dirty or scratched	Clean disc or replace new disc
TV (select models only)		
No signal.	TV antenna is not connected correctly, or broken.	Connect TV antenna correctly or replace new TV antenna.
TV picture fuzzy.	Detection of weak signal.	Go to place where have strong signal.
Bluetooth (select models only)		
Low call volume.	Improper MIC location.	Speak closer to the MIC or use an external MIC.
Bluetooth music playback skipping.	Distance from unit to cell phone is too great.	Place the phone to the closer to the unit.
Radio		
No signal.	Radio antenna is not connected correctly, or broken.	Connect Radio antenna correctly or replace new Radio antenna.

NOTE:

This user's manual is only for reference.

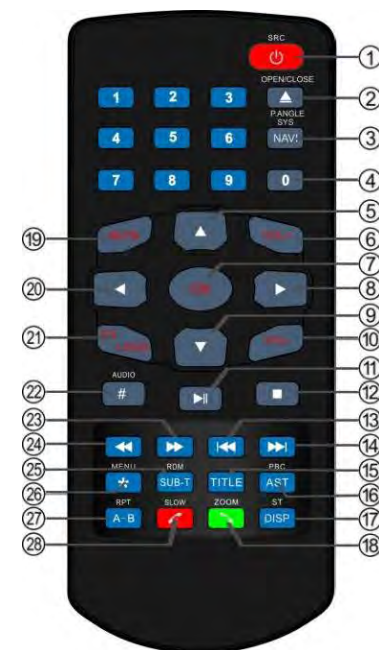
Modifying rights are reserved.

Specifications are subject to change without notice.

Weak station searching	Auto antenna is not fully extended	Connect the auto antenna control wire properly
	Auto antenna not properly connected	Connect the auto antenna control cable properly
	LOCAL function is activated	Turn LOCAL function off

Problem	Cause	Action
TFT MONITOR		
No video display (when in rewind)	Rewind circuit not connected	Check connections at rewind lamp
	Vehicle is not in rewind	Select rewind gear
Front panel will not open/close	Front panel obstructed	Remove the obstruction and press OPEN to resume the monitor open/close sequence
Flashing image or interference appears on screen	DVD is not compatible with current TV system settings Image blurred, distorted, or dark	Change setup to accommodate disc
Improper height/width ratio of displayed image	Improper video signal connections	Check wiring and correct
	Improper aspect ratio setup	Use correct aspect ratio setting
Touch screen controls are not accurate	Under different conditions, for example: temperature , humidity, etc.	perform touch screen calibration
DISC		
Cannot insert disc	A disc is already inside unit	Eject current disc and insert new one
DVD playback does not start	Disc is warped or scratched	Use disc in good condition
	Disc is dirty or wet	Clean disc with soft cloth
	Incompatible disc	Use compatible disc
	Disc rating exceeds Parental Lock rating limit	Change parental Lock settings to lower restriction
	Disc region code is not compatible with unit	Use a disc with the proper region code
	Disc is inserted upside down	Insert disc with label side up
Image blurred , distorted, or dark	Copied disc is not compatilbe	Use original disc
No repeat or searching while playing VCD	PBC is on	Turn PBC off

Remote Control



1. POWER/SOURCE
2. OPEN / CLOSE / P.ANGLE/ EJECT
3. NAVI / SYSTEM
4. NUMBER PAD
5. UP
6. VOLUME+
7. OK/BAND
8. RIGHT
9. DOWN

10. VOLUME-
11. PLAY / PAUSE
12. STOP
13. PREVIOUS
14. NEXT
15. TITLE
16. AST/PBC
17. DISP/ST
18. ZOOM/ CALL
19. MUTE

20. LEFT
21. EQ/LOUD
22. AUDIO/#
23. FAST FORWARD
24. REWIND
25. SUB-T/RDM
26. MENU/*E
27. RPT/A-B
28. SLOW/ END CAL

NOTE:

This is a universal remote; some functions would be depending on optional equipments.

1. [POWER/SOURCE]

Press to turn the unit ON, holding the button will turn off the unit.

When the unit is on, press to switch between different sources.

2. [OPEN/CLOSE/P.ANGLE/EJECT]

Press to open / close the monitor to eject/insert the disc

Holding button for 3 sec will enter angle adjustment mode, press it again to adjust the angle of the front panel as following:

ANGLE1→ANGLE2→ANGLE3→ANGLE4→ANGLE1

3. [NAVI/SYSTEM]

Press to quickly enter / exit the Navi mode.

Holding button for 3 sec will enter / exit the Settings Mode.

4. [NUMBERS 0~9]

Radio Mode, press buttons 1~6 to select a preset station, Holding button for 3 sec will store current radio frequency to the preset station.

DVD Mode, When playing DVD, VCD, CD, MP3, press buttons 0~9 to input the number of track, press the [OK] button to confirm.

TV Mode, press buttons 0~9 to choose the channel and press the [OK] button to confirm.

Bluetooth Mode, press buttons 0~9 to input phone numbers.

5. [↵] / 8. [➡] / 9. [↕] / 20. [⬅] Direction Keys

DVD Mode, press the [↕] / [↵] buttons to move the cursor upward / downward to select an item. Press the [⬅] / [➡] buttons to move the cursor leftward / rightward to select item.

Radio Mode, press the [⬅] / [➡][↕] / [↵] buttons to seek the next available channel by decreasing / increasing the tuning frequency, Holding the [↕] / [↵] buttons for 3 sec will seeking a lower/higher frequency by one step.

6. [VOL+] / 10. [VOL-]

Press to increase / decrease the volume.

Holding the button will keep increasing/decreasing the volume.

7. [OK/BAND]

DVD Mode, press to confirm the selection.

Radio Mode, press to switch the wave band as follows:

FM1 – FM2 - FM3 - AM1- AM2 - FM1

TV Mode, press to switch the TV audio as follows:

NTSC – PAL/BG – PAL/I – PAL/DK – NTSC

11. [PLAY/PAUSE]

DVD Mode, press to pause or resume playback.

12. [STOP]

TROUBLE SHOOTING

If any of problem persists after checking the below list, Please consult your nearest service dealer.

Never attempt to disassemble and repair unit personally.

Problem	Cause	Action
GENERAL		
Unit will not turn on (no power)	Yellow wire is not connected or incorrect voltage Red wire not connected or incorrect voltage	Check connections for proper voltage(11-16vdc)
	Black wire not connected	Check connection to ground
	ACC Fuse blown or Car battery fuse blown	Install new fuse with correct rating
	Invalid operation	Press the RESET button
Unit has power (but no/low audio output)	Speaker wires not connected	Check connections at speakers
	One or more speaker wires touching each other or touching chassis ground	Insulate all bare speaker wires from each other and chassis ground
	Speakers damaged	Review wiring diagram
Poor sound quality or distortion	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker wire contacts
Unit resets itself when engine is off	Incorrect connection between ACC and Positive battery wire	Check wiring and correct
Unit blows fuse	Yellow or red wire touching chassis ground	Check for pinched wire
	Speaker wires touching chassis ground	Check for pinched wire
	Incorrect fuse rating	Use fuse with correct rating
Unit has audio (when in rewind)	Parking brake safety circuit not connected	Check connections at parking brake
	Parking brake not applied	Apply parking brake
Excessive skipping	Unit is not mounted correctly	Check mounting
	Physical defect in media	Check media for scratches
IR remote does not work	Dead battery	Replace battery
	Battery installed incorrectly	Remove battery and install correctly
TUNER		

Specifications

General

Power source :	14.4V DC (11-16 V Allowable)
Load impedance :	4Ω(4-8 Ω Allowable)
Maximum power output :	45W x 4
Frequency Response:	20Hz -20KHz 0dB±2dB
Distortion:	≤0.1% (1KHz)
Signal-to-Noise Ratio:	≥70dB(1KHz)

AV OUT

(MODE:DVD Bluetooth AV IN)

Preout max output	1.8V±0.2 load10Kohm
Frequency Response:	20Hz -20KHz 0dB±2dB
Distortion:	≤0.1% (1KHz)
Signal-to-Noise Ratio:	≥80dB(AUX IN 1KHz A)
Subwoofer Output	1.8V±0.2 load10Kohm
Subwoofer Frequency:	80Hz
Video Output :	CVBS 1Vp-p/75ohm load
Color System:	NTSC/PAL

TV

Frequency Range:	VHF-low 55.25MHz~181.25MHz VHF-high 181.25MHz~471.25MHz UHF 471.25 MHz~885.25MHz
Maximum Sensitivity	VHF-low 32 dBuV VHF-high 32 dBuV UHF 35 dBuV

FM

Frequency Range :	87.5 — 108MHz 87.5 — 107.9MHz
IF-FRE :	10.7MHz
Usable Sensitivity :	≤10dBuV
Stereo Separation :	≥26dB (1KHz)
Frequency Response:	20Hz -20KHz 0dB±2dB

AM

Frequency Range :	531 — 1602KHz 522 — 1620KHz 530 — 1710KHz
IF-FRE :	450KHz
Usable Sensitivity :	≤35dBuV

Bluetooth

Reception Sensitivity :	-90dBm@0.1%BER
Transmission Distance:	≥10M (No obstacles)

DVD Mode, when in DVD/VCD/CD playback, press the button once to stop playback, then return the main menu. When in MP3 disc playback, press the button to stop the playback, then return the file list menu, press the button again to return main menu.

13. [PREVIOUS] / 14. [NEXT]

DVD Mode, press to go to the pervious / next chapter, track or song.

15. [TITLE]

DVD Mode, press to enter the title menu when playing DVD disc.

Bluetooth Mode, press to enter the previous page of phone number list in phonebook.

16. [AST/PBC]

DVD Mode, press to switch the PBC function on / off when playing VCD disc.

Radio Mode, press to review stored stations; holding the button for 3 sec will automatically program the 6 strongest stations available into the presets in the each wave band.

TV Mode, automatically seek the stations available.

17. [DISP/ST]

DVD Mode, press to display current playback information.

Bluetooth Mode, press to return the main menu.

18. [ZOOM/CALL]

DVD Mode, press to zoom the picture display when playing DVD, VCD disc. Each press changes speed from 2x to 3x to 4x to 1/2x to 1/3x to 1/4x then back to normal play.

Bluetooth Mode, press to call a number or to receive a cell phone call.

19. [MUTE]

Press to switch mute/unmute sound.

21. [LOUD/EQ]

Press to adjust the EQ setting as following:

JAZZ – ROCK – CLASSIC – POP – DEF.EQ – JAZZ

Holding for 3 sec will switch the “LOUD” function ON / OFF.

22. [AUDIO]

DVD Mode, press to change dialogue language when playing DVD disc; Press to select different audio channels when playing VCD disc.

Bluetooth Mode, press to input the symbol #.

23/24. [REWIND/FAST FORWARD]

DVD Mode, press to fast forward / rewind at 2x speed. Each press changes speed from 2x to 4x to 8x to 20x then back to normal play. Press the [PLAY/PAUSE] button to resume to normal playback.

25. [SUBT/RDM]

DVD Mode, press to change the subtitle language when playing DVD disc.

26. [MENU]/*

DVD Mode, press to return to the boot menu when playing DVD disc.

Bluetooth Mode, press to input the symbol *.

27. [RPT/A-B]

DVD Mode, press to set point A, press it again to set point B, the player will repeat from points A to B, when playing DVD, VCD, press it again to stop repeating, holding the button for 3 sec to choose [REP 1],[REP ALL],[REP OFF].

When playing MP3, CD, holding the button for 3 sec to choose repeat [TRACK], [FOLDER], [CANCEL], [OFF].

28. [SLOW/END CALL]

Bluetooth Mode, press to ignore or hang up a call.

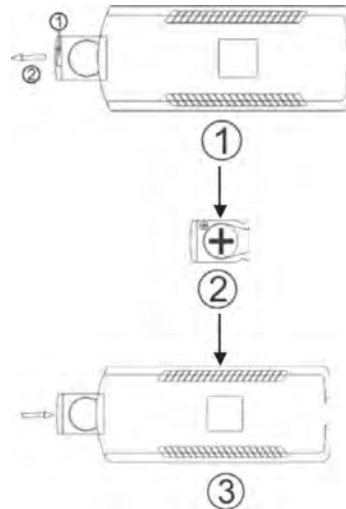
Battery Change

1. Press to unlock the battery holder, then pull outward as the arrow shows.

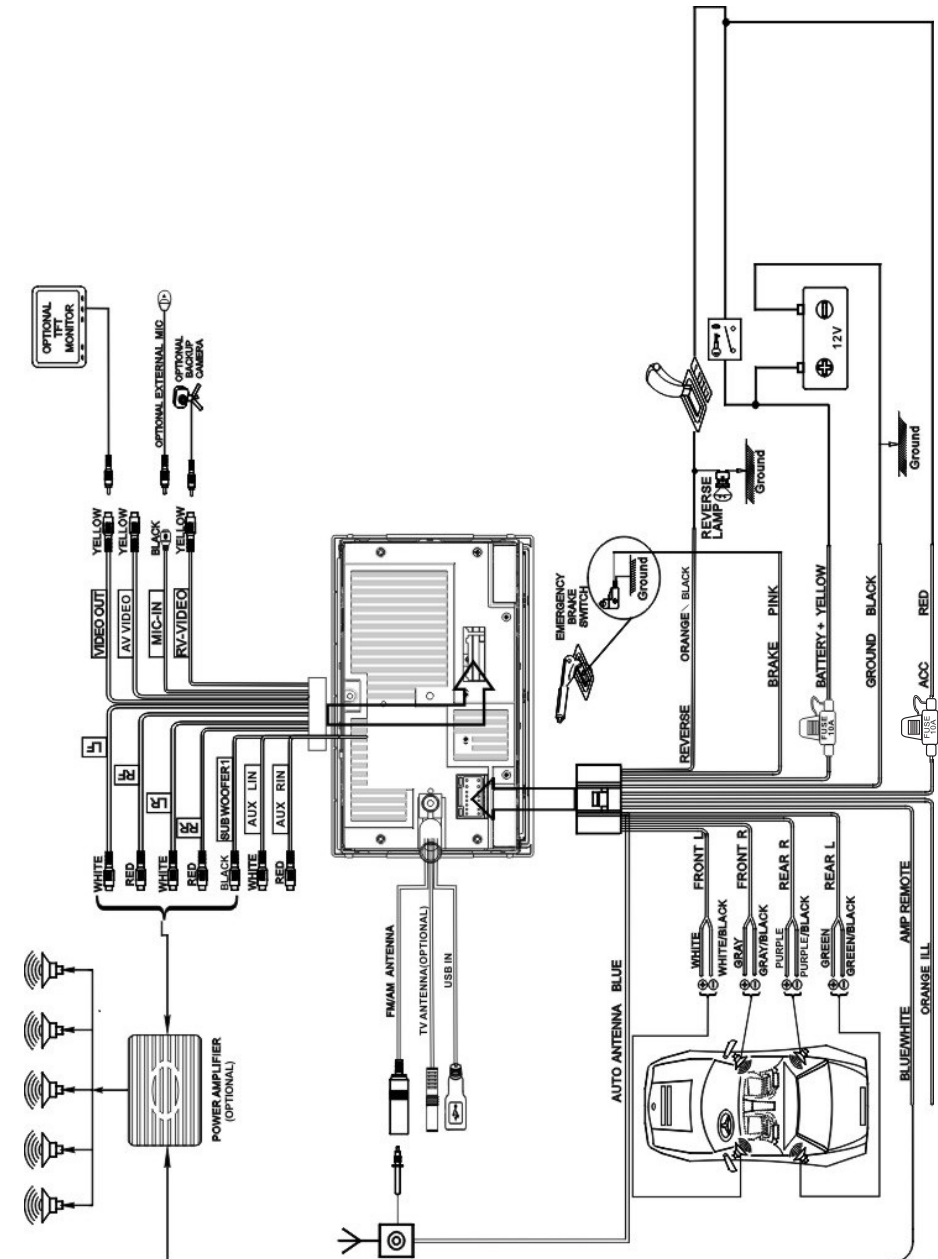
2. Place the battery into the holder with the (+) side up.

3. Push the holder back. Use your finger to push in the holder back until the locking sound is heard.

If the remote control has no function or if the operating range reduced, replace the old battery with new one.



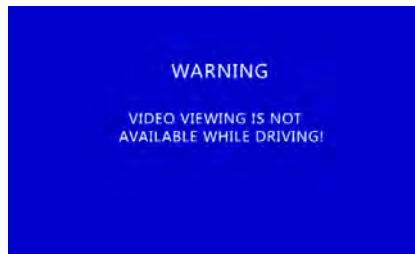
Wiring Diagram



1. Radio Antenna Adapter&AUX A/V Input&USB IC-3 Input
2. Power Cable
3. Audio & Video Output & Input

Brake Control

Connect the brake control wire (see Wiring Diagram). It is necessary to connect the Brake Control wire to the parking brake switch in the car. While driving, the TFT monitor will display the warning label (as shown below) as a safety precaution.



Under Rear View Mode the Brake Control function has no effect.

Rewind trigger

Connect to the rewind trigger wire to switch the video display to R/V video input whenever the vehicles rewind gear is engaged. This is required for back up camera functions.

Auto Antenna Control

Connect the auto antenna control wire (see Wiring Diagram). The power antenna (if equipped) will raise whenever the unit is powered up. It will retract when the unit is switched off.

Main Menu



1. Touch to access the DISC source.
2. Touch to access the FM/AM source.
3. Touch to access the USB source.
4. Touch to access the SD CARD source.
5. Touch to access the TV source.
6. Touch to access the Bluetooth source.
7. Touch to access the AV IN source
8. Touch to access the SETUP source.

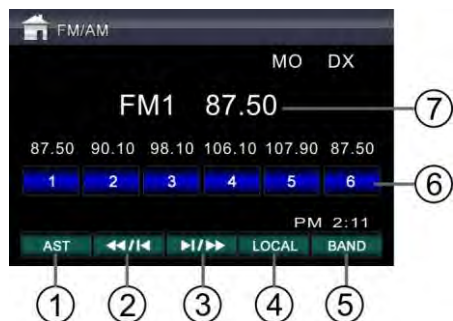
Return Key

Touch this button to return the main menu from any mode.

This operation is the general operation for all modes.

Touch this button to return the previous page from submenu in DISC/USB /SD CARD/SET UP mode.

FM/AM MODE



1. AST

Touch to scan through all tuned presets stations and play them for 5 seconds each. Touch any button to stop scanning.

Holding the button to automatically program the 6 strongest stations available into the presets in the each wave band, a total of 30 stations can be stored. Touch any button to stop the tuning.

2. Tune Frequency – Down/ 3. Tune Frequency –Up

Touch to tune the radio frequency down/up continually. Holding the button to a lower / higher frequency by one step.

4. Local

Touch to set the local tuning on/off. When you are using the local searching function, you can only receive the radio station with strong enough signals.

5. BAND

Touch to switch the FM/AM wave band as follows:

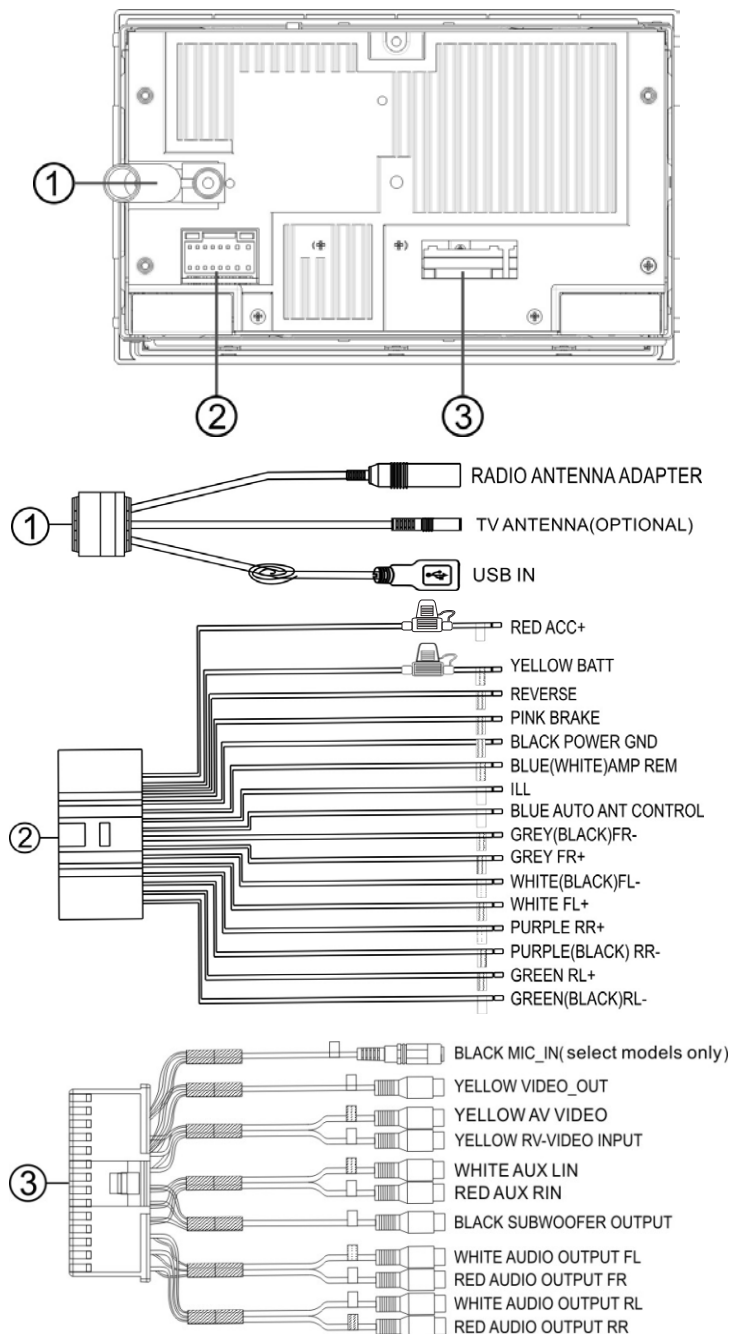
FM1 - FM2 - FM3 - AM1- AM2 - FM1

6. Preset Stations

Touch to select a preset station, holding the button to store current radio frequency to the preset station.

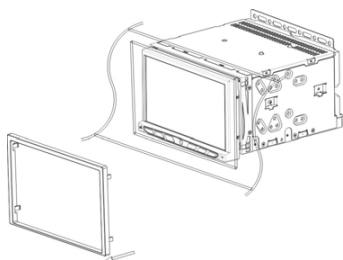
7. Current playing station information display

Wire Connection

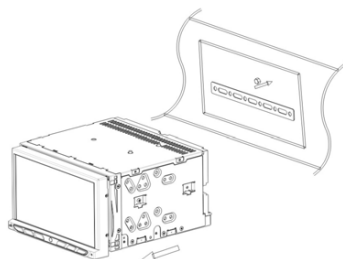


Removal method 2

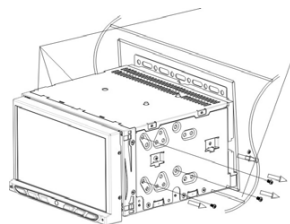
1, Detach the trim bezel.



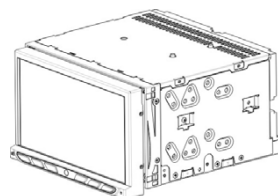
7, Unscrew the Nut M5 screw on the rear, and remove the chassis.



6, Unscrew the unit from the car.



8, illustration of completed removal.



DISC Mode

Touch the [DISC] icon on the main menu to access the DISC Mode.

The unit will be switched to DISC Mode automatically when inserting the disc.

DVD DISC PLAYING



1. Repeat.

Touch to enter the Repeat mode, then to select repeat Track/Folder/Cancel/Off.



2. Previous/ 3. Next

Touch to go to the pervious/next chapter, track or song.

4. Play/Pause

Touch to pause or resume the playback

5. Rewind/6. Fast Forward

Touch to rewind / fast forward at 2x speed. Each touch changes the speed from 2x to 4x to 8x to 20x then back to normal play. Touch the [PLAY/PAUSE] icon to resume to normal playback.

7. Track list/ 8.Chapter list

Display the track/chapter information.

Number Key

Touch the number button to select track/chapter.



Touch the keyboard to select the track/chapter and touch “OK” to confirm it.

9. Menu

Touch to access the disc menu when playing a DVD.

10. Next Page

Touch to access the next page.



11. Subtitles Switch.

12. Audio language Switch

13. Angle of Viewing

Touch to change the angle of viewing.

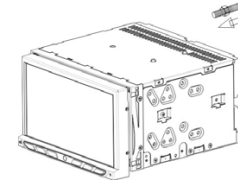
14. Previous Page

Touch to go to the Previous page.

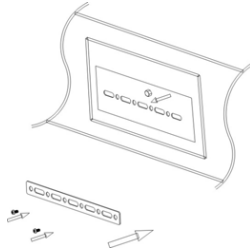
15. Current playing time/full time

Installation method 2

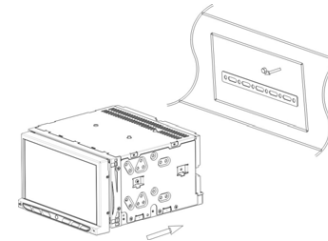
1, Tighten the bolt onto the rear panel of the unit.



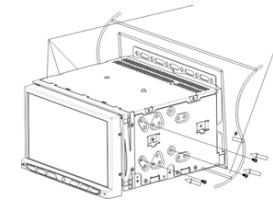
2, Tighten the back strap onto your car inside the dashboard.



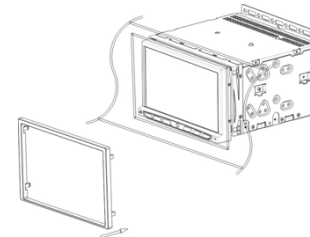
3, Place the unit into the dashboard, attach the backstrap to the back of the chassis with Nut 5.



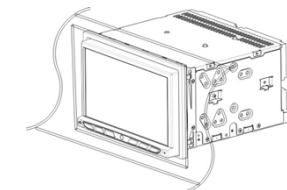
4, Bolt the unit to the backstrap by attached to the car



5, Install the trim bezel onto the unit.

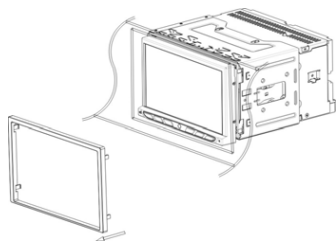


6, illustration of completed installation

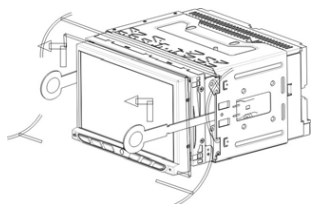


Removal method 1

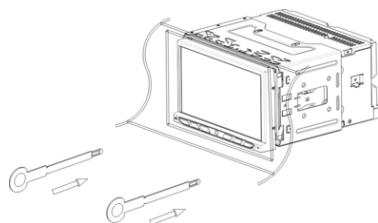
1, Detach the trim bezel.



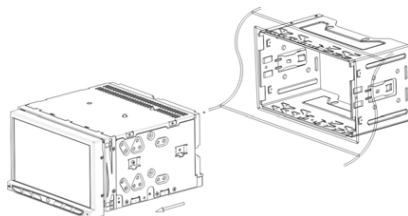
7, Pull the unit out of the mounting sleeve.



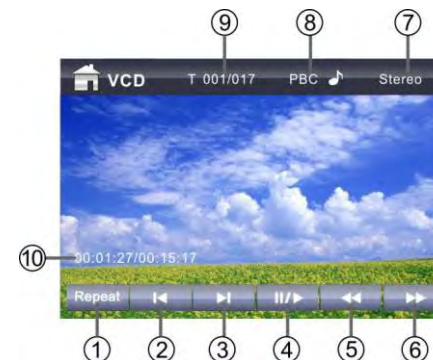
6, Insert the keys into the opening between the unit and the mounting sleeve to unlock.



8, illustration of removal.



VCD DISC PLAYING



1. Repeat

Touch to enter the Repeat mode, then to select repeat Track/Folder/Cancel/Off.



2. Previous/ 3. Next

Touch to go to the pervious/next video.

4. Play/Pause

Touch to pause or resume the playback.

5. Rewind/6. Fast Forward

Touch to rewind / fast forward at 2x speed. Each touch changes the speed from 2x to 4x to 8x to 20x then back to normal play. Touch the [PLAY/PAUSE] icon to resume to normal playback.

7. Stereo

Touch to select the channel Stereo/MONO L/MONO R.

8. PBC

Touch to select PBC ON/OFF/CANCEL.



9. Track list

Display the track information

Number Key

Touch the number button to select track.



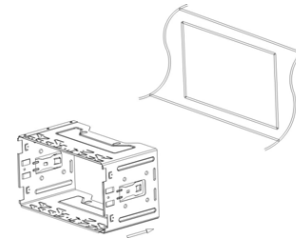
Touch the keyboard to select the track and then touch "OK" to confirm it.

10. Current playing time/Full time

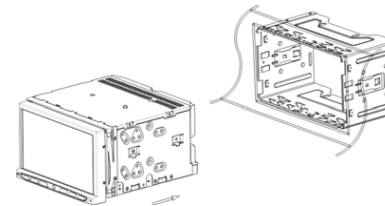
Unit Installation and Removal

Installation method 1

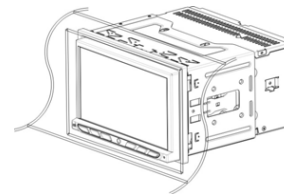
1, Install the mounting sleeve into the dashboard.



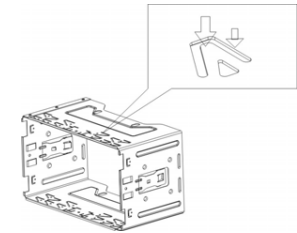
3, Slide the unit into the mounting sleeve.



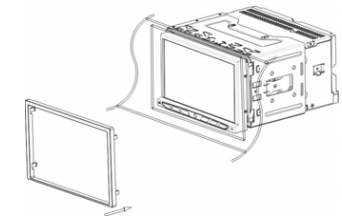
5, illustration of completed installation



2, Bend the tabs into place to secure the sleeve.

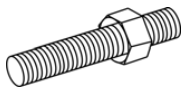


4, Install the trim bezel onto the unit.



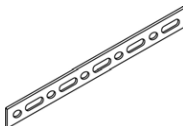
Included Parts

1



Bolt and Nut M5 x 1

2



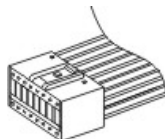
Back Strap x 1

3



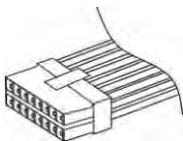
M5X5 Screws x 8

4



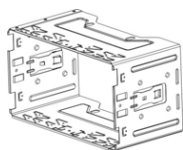
Power Wire x 1

5



RCA connector x 1

6



Mounting Sleeve x 1

7



Trim Bezel x 1

8



Operational Manual x 1

9



Remote Control x 1

10



keys x 2

11



External Microphone x 1
(select models only)

CD/MP3/MP4/PHOTO DISC PLAYING

Following page is universal when playing CD/MP3/MP4/PHOTO DISC



1. Folder list display area

Touch "UP/DOWN" arrows to move through the pages, then switch to select a folder.

2. File list display area

Touch "UP/DOWN" arrows to move through the pages, then switch to select a file.

3. Media

Touch to switch mode: music/video/photo

Audio Playback Interface



1. Repeat

Touch to enter the Repeat mode, then to select repeat Track/Folder/Cancel/Off.



2. Previous/3.Next

Touch to go to the pervious/next chapter, track or song.

4. Pause/Play

Touch to pause or resume the playback.

5. Rewind/6. Fast Forward

Touch to rewind / fast forward at 2x speed. Each touch changes the speed from 2x to 4x to 8x to 20x then back to normal play. Touch the [PLAY/PAUSE] icon to resume to normal playback

7. Return.

Touch to return the file list, then switch to other folder.

Video Playback Interface



1. Folder List/2.Track List

Display the folder/track information.

Number Key

Touch to select the folder or track.

Safety Instructions

PLEASE READ COMPLETELY AND BECOME FAMILIAR WITH THE CONTENTS OF THIS MANUAL BEFORE INSTALLATION AND OPERATION OF THIS UNIT. KEEP THIS MANUAL FOR FUTURE REFERENCE.

This unit is a class 1 laser product. The laser beam may cause hazardous radiation if exposed to laser system directly. Do not attempt to disassemble the unit personally.

This unit has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard.

Warnings

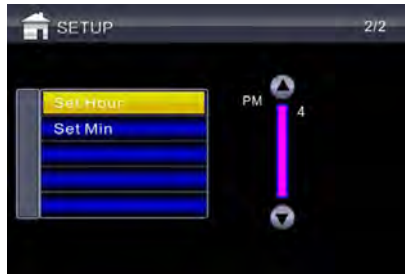
- Do not expose the product to rain, water or excessive moisture. This could cause electrical shorts, fire or other damage.
- This product is designed to operate with a 12 volt DC, negative ground battery system. Use the proper power supply.
- The monitor is operated automatically. Do not push in or pull out the monitor or try to rewind the monitor manually! Do not attempt to adjust the monitor angle upward or downward manually. It will cause damage to the Monitor Mechanism Structure.
- Do not impact the monitor with a hard object. It may cause permanent damage.
- Do ground all equipments and works in order to avoid causing damage to the unit by electrostatic discharges.
- The user who handles this product should take all necessary precautions to avoid ESD (Electro-Static Discharge) failures.
- Do not attempt to install or service your unit by yourself. Installation or servicing of the unit by persons without training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock or other hazards.

Important Safeguards

- ① To reduce the risk of fire or electric shock, and annoying interference, use only the recommended accessories.
- ① While driving, keep the volume level low enough to be aware road and traffic conditions.
- ① Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.
- ① Do not use any chemical solvent, cleaning agent or corrosive detergent to clean away dirt on the surface of the TFT monitor screen. It may cause irreversible damage.
- ① Small black and shiny dots inside the liquid crystal panel should be considered normal for liquid crystal displays.
- ① In extremely cold temperatures, the movement of the picture may be slow and the picture may be dark, this is not a malfunction. The unit will work normally once reaching proper operating temperatures.
- ① Do not use and store the unit in dusty, high temperature and high humidity environments.

(1)Set Hour

Touch [UP] / [DOWN] buttons to adjust hours



(2) Set Min

Touch [UP] / [DOWN] buttons to adjust minutes.



3, Time ON/OFF

Touch to access the interface to select Time ON/OFF.



Touch the keyboard to select the folder or track and touch "OK" to confirm it.

All other operations are the same as Audio operations.

Picture Playback Interface



1. Repeat

Touch to enter the Repeat mode, then to select repeat Track/Folder/Cancel/Off.



2. Previous / 3. Next

Touch to go to the next / pervious picture

4. Play/Pause

Touch to pause or resume the playback.

5. Rotate counterclockwise

Touch to make picture rotate counterclockwise 90 degree at a time.

6. ZOOM

Touch to zoom the picture display as following:

ZOOM X 2→ZOOM X 3→ ZOOM X 4→ZOOM X 1/2→ZOOM X 1/3→ ZOOM X 1/4→ZOOM OFF.

7. Folder List/8.Track List

Display the folder/track information.

Number Key

Touch to select the folder or track



Touch the keyboard to select the folder or track and touch “OK” to confirm it.



5. TIME SETUP

Touch to access the TIME Setup



1, 24H/12H

Touch to select the time mode as 12 hours or 24 hours



2, Time Set



4, Beep Setup

Touch to access the Beep Setup, then touch to turn BEEP on or off.



4. VIDEO SETUP

Touch to access the Video Setup.



1, Video Set

Touch to access the Video Set, then Touch [UP] / [DOWN] buttons to increase or decrease the Brightness / Color/ Contrast parameters (range: 0 to 50).



2, Screen Mode

Touch to access the Screen Mode then to select Screen ratio as following:

4:3PS 4:3LB 16:9

USB MODE

The unit will switch to USB Mode automatically when an USB is connected.

Touch Media to switch between MUSIC/VIDEO/PHOTOmode.



Audio Playback Interface



1. Repeat

Touch to enter the repeat mode, then to select repeat Track/Folder/Cancel/Off.



2. Previous/ 3. Next

Touch to play the previous/next song.

4. Pause/Play

Touch to pause or resume playback.

4. Rewind / 5. Fast Forward

Touch to rewind / fast forward at 1x speed. Each touch changes speed from 2x to 4x to 8x to 20x then back to normal play. Touch the "PLAY/POUSE" button to resume normal playback.

Video Playback Interface



1. Folder List/2.Track List

Display the folder/track information.

Number Key

Touch to select the folder or track



Touch the keyboard to select the folder or track and touch "OK" to confirm it.

All other operations are the same as Audio operations.

1, Speaker Setup

Touch to access the Speaker Setup, then Touch [UP] / [DOWN] buttons to increase or decrease the BASS / TREBLE / BALANCE / FADER parameters (range:-7 to 7).



2, EQ Setup

Touch to access the EQ Setup then to select EQ presets as following:

Jazz – Rock – Classic – Pop - Default EQ.



3, Loud Setup

Touch to access the Loud Setup then touch to turn LOUD on or off.





2, Audio Language Setup

Touch to access the Audio language Setup.



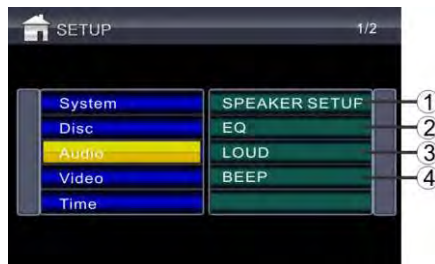
3, Subtitle Language Setup

Touch to access the Subtitle language Setup.

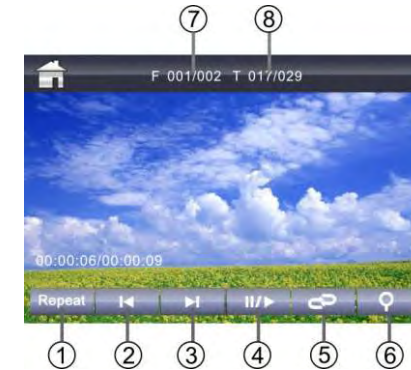


3. AUDIO SETUP

Touch to access the Audio Setup.



Picture Playback Interface



1. Touch to enter the repeat mode, then to select repeat Track/Folder/Cancel/Off.



2. Previous/ 3. Next

Touch to play the previous/next picture.

4. Pause/Play

Touch to pause or resume playback.

5. Rotate counterclockwise

Touch to make picture rotate counterclockwise 90 degree at a time.

6. ZOOM

Touch to zoom the picture display as following:

ZOOM X 2→ZOOM X 3→ ZOOM X 4→ZOOM X 1/2→ZOOM X 1/3→ ZOOM X 1/4→ZOOM OFF.

7. Folder List/8.Track List

Display the folder/track information.

Number Key

Touch to select the folder or track



Touch the keyboard to select the folder or track and touch “OK” to confirm it.

SD CARD MODE

Under the SD mode, all operations are same as USB operations.



3, TV Region Setup

Touch to access the Radio Region Setup to select the RADIO AREA as following:
USA – CCIR – ITALY – AUSTRALIA - NEW ZELAND



4, Default Setup

Touch to reset all the system parameters to default settings.

2. DISC SETUP

Touch to access the Disc Setup.

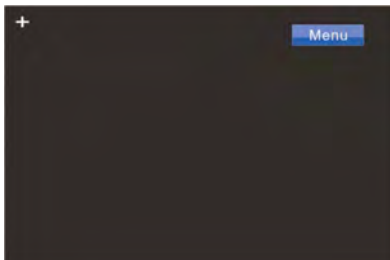


1, OSD Language Setup

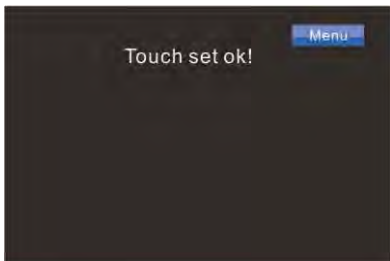
Touch to access the OSD language Setup.

1, LCD Calibration Setup

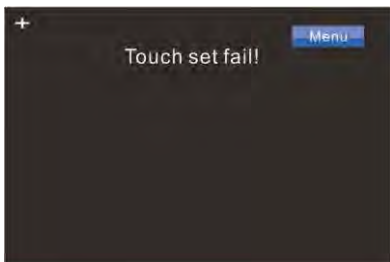
Touch to access the calibration of touch screen as follows:
Press the cross on the screen



If calibration succeed, the display will read as below:



If a mistake is made the display will read as below In this case you will need to restart the procedure from the beginning.



2, Radio Region Setup

Touch to access the Radio Region Setup to select the RADIO AREA as following:
OIRT – EUROPE – ASIA – USA – JAPAN

Bluetooth Mode (select models only)

Touch the Bluetooth button on the main menu to access the Bluetooth mode.



1. Phone Call

Touch to enter phone calling.

2. Phone Book

Touch to enter phone book lookup.

3. Audio

Touch to enter audio device operation.

4. Settings

Touch to enter Bluetooth settings.

SETTINGS



1. AUTO ANSWER

Touch to select auto / manual answer when a call is coming in.

2. PHONE CONNECT

Touch to select auto / manual phone connect when returning to the car.

3. PHONE PAIRING

Touch the button to begin the pairing process the display should read.

PHONE PAIR WAITING

When the Bluetooth is disconnected or has no connection the display will read.

NO CONNECT

4. AUDIO PAIRING

Touch the button to begin the pairing process the display should read.

AUDIO PAIR WAITING

When the Bluetooth is disconnected or has no connection the display will

NO CONNECT

5. PIN CODE

You can change the PIN code by remote control. Press the [AST] button of remote control to clear the PIN code, and input the new 4 digit number, press the [OK] button of remote control to save the new code.

6. Information Display

NOTE:

The unit can pair a total of 5 different devices including cell phones and audio players. Use the [A-B] button of remote control to connect / disconnect the device.

1, When you want to connect another paired cell phone with the unit, press the [A-B] button of remote control to disconnect the current connected cell phone. Use the other cell phone to connect with the unit through the phones set up menu.

2, When you disconnect the current cell phone, you can also press the [A-B] button of remote control to reconnect the cell phone with the unit again.

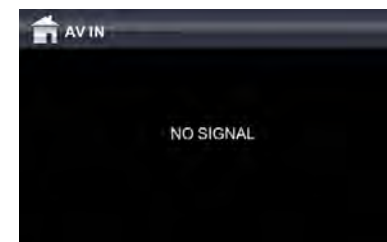
Select CAR STEREO after your phone has searched for available devices.

6. Current Channel Indicator

Display the TV channel currently playing.

AV IN Mode

Connect the desired external A/V device to the RCA AUX A/U Input on the rear panel, watch/listen to the device through your car audio/video system.



SETUP MODE



1. SYSTEM SETUP

Touch to access the SYSTEM SETUP



AUDIO



1. Previous / 2. Next

Touch to select the previous / next track.

3. Play / Pause

Touch to pause the playback; touch it again to resume playing.

TV Mode (select models only)

Touch the TV button on the main menu to access the TV mode.



1. SYS

Touch to choose the TV Sound system PAL- BG / PAL-I / PAL-DK / NTSC.

2. Auto Station Tune

Touch to automatically seek all strongest stations available; touch any button to stop the tuning.

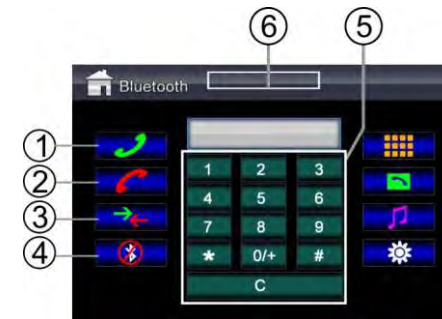
3. / 4. Seek Next Station – Down / Up

Touch to seek the next available channel by increasing / decreasing the tuning frequency.

5. CH- /CH+

Touch to choose the next /previous program.

Phone Call



1. Call

Touch to call a number or receive a phone call. Touch to call the last number if no number is input.

2. End Call

Touch to ignore or hang up a call

3. Transfer

When talking on the phone, touch to transfer the call between the unit and cell phone.

4. Clear

Touch to cancel or clear the numbers you have input.

5. Number Keys

Touch the buttons to input a phone number.

6. Information Display

CALL OUT

While dialing, the display will read:

CALL OUT...

While on a call, the display will read:

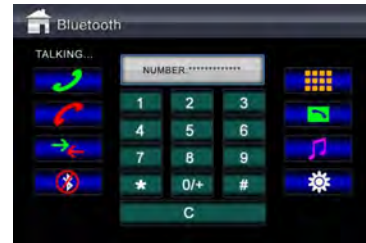
TALKING...

CALL IN

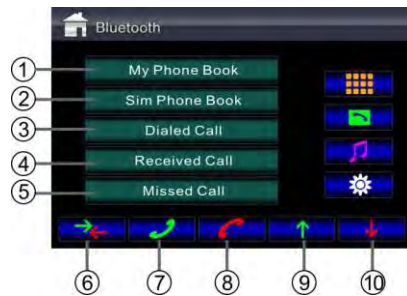
When receiving an incoming call, you will see the screen below:



When talking, you will see the screen below:



PHONEBOOK



1. My Phonebook

The phone numbers that are stored in the phone.

2. SIM Phonebook

The phone numbers that are stored in the SIM card.

3. Dialed Call

The phone numbers that were dialed by the phone.

4. Received Call

The phone numbers that were received by the phone.

5. Missed Call

The phone numbers that were missed by the phone.

6. Transfer

When talking the phone, touch to transfer the call between the unit and cell phone.

7. Call

Touch to call a selected number from phonebook or to receive a cell phone call..

8. End Call

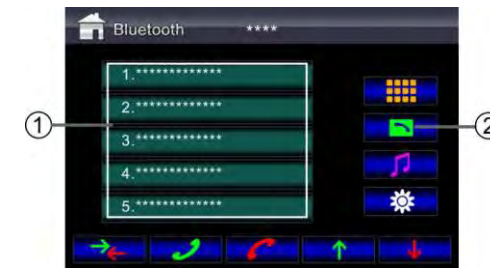
Touch to ignore or hang up a call.

9. Previous Page / 10. Next Page

There are 5 numbers in each page, touch to see the previous / next page.

Phone Number List

Touch buttons when item is changed to yellow color, the item is selected and active, you will see the image below:



1. Information Display

You will see the phone number of the item in white color.

You only will see the phone number if this number is stored.

Touch the button when item is changed to yellow color, the item is selected.

2. Phonebook

Touch to return the phonebook page.