



#### BDVM-8455MPBTV

## **INSTALLATION /OWNER'S MANUAL**

DVD Multimedia Receiver with 4.5 Digital Wide Touch Screen Display Motorized TFT Monitor, With Touch sensor controls DVD/AM/FM/TV/Bluetooth Receiver with GPS Navigation ready adapter

















# **Table of Contents**

| Safety Information            | 2  |
|-------------------------------|----|
| Features                      | 4  |
| Accessories                   | 5  |
| Wire Connection               | 6  |
| Unit Installation and Removal | 10 |
| Front Panel                   | 15 |
| Remote Control                | 17 |
| Touch Screen Operations       | 22 |
| Touch Screen Calibration      | 22 |
| Main Menu                     | 23 |
| Radio Operations              | 24 |
| DVD Operations                | 25 |
| Bluetooth Operations          | 31 |
| i-POD Operations              | 36 |
| SD CARD Operations            | 38 |
| USB Operations                | 38 |
| AV IN Operations              | 39 |
| AUX IN Operations             | 39 |
| TV Operations                 | 40 |
| Navigation Operations         | 41 |
| System Parameters Setup       | 42 |
| Specifications                | 47 |
| Troubleshooting               | 48 |
| Disc Notes                    | 50 |



# SAFETY INFORMATION

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

This unit is a class 1 laser product. The laser beam may cause hazardous radiation if exposure 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. The safeguards incorporated in this unit protect you if you observe the following procedures for installation, use and servicing. This unit doesn't contain any parts that can be repaired by the user. If the unit requires maintenance, contact an authorized service center.

# Warnings

- 1. Do not expose the product to rain, water or excessive moisture. This could cause electrical shorts, fire or other damage.
- 2. This product is designed to operate with a 12 volt DC, negative ground battery system. Use the proper power supply.
- 3. The monitor is operated automatically. Do not push in or pull out the monitor or try to reverse the monitor manually! Do not attempt to adjust the monitor angle upward or downward manually. It will cause damage to the Monitor Mechanism Structure.
- 4. Do not impact the monitor with a hard object. It may cause permanent damage.
- 5. Do ground all equipments and works in order to avoid causing damage to the unit by electrostatic discharges.
- 6. The user who handles this product takes all necessary precautions to avoid ESD (Electro-Static Discharge) failures.
- 7. 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.



# Warnings

- 1. To reduce the risk of fire or electric shock, and annoying interference, use only the recommended accessories.
- 2. While driving, keep the volume level low enough to be aware of road and traffic conditions.
- 3. Parking in direct sunlight can produce very high temperatures inside your vehicle. Give the interior a chance to cool down before starting playback.
- 4. 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.
- 5. Small black and shiny dots inside the liquid crystal panel are normal for liquid crystal product.
- 6. In extremely cold temperatures, the movement of the picture may be slow and the picture may be dark, but this is not a malfunction. The unit will work normally once reach its operating temperature.
- 7. Do not use and store the unit in dusty, high temperature and high humidity environments.
- 8. Do not use the unit immediately when you bring it from cold to warm place. Sudden drastic change in temperature, may cause moisture condensing which can influence the unit for certain time.

#### **NOTE**

This user's manual is only for reference. Modifying rights are reserved. Specifications are subject to change without notice.



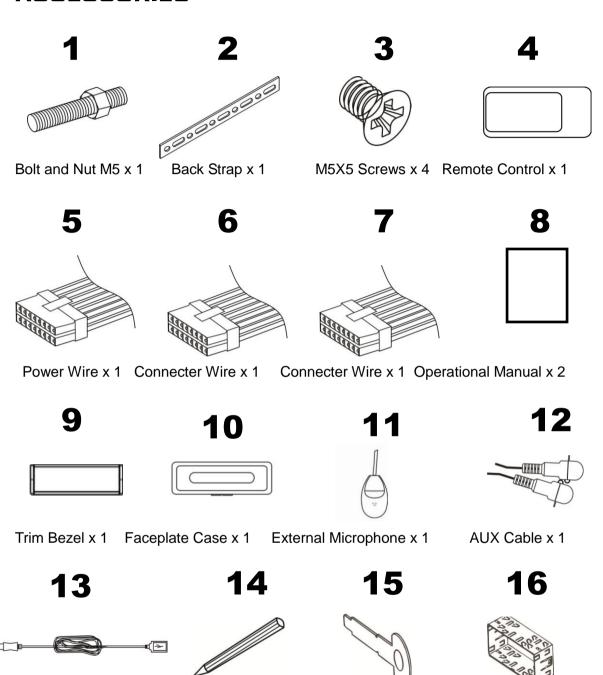
# **FEATURES**

- 1. ISO/1-DIN Size
- 2. DVD/DVD-R/DVD-RW/VCD/CD/CD-R/CD-RW/MP3 Compatible
- 3. 4.5 " Wide-Screen Digital TFT/LCD Display
- 4. Touch Screen Panel Control
- 5. Graphic User Interface
- 6. High Brightness: 400 cd/m<sup>2</sup>
- 7. Resolution: 432 x 240
- 8. Color, Contrast, Brightness, Tint controls
- 9. 32-bit RISC Processor for Graphic User Interface
- 10. Flash Movie for Opening Screen
- Capture Images from DVD/USB/SD Card to display as Screen Saver and Background
- 12. Fully Motorized Viewing Angle Adjustment
- 13. Last Angle Memory for Panel
- 14. Detachable Front Panel
- 15. Digital & Mechanical Anti-Shock with ESP Memory
- 16. Built-In Dolby Digital Decoder
- 17. Built-In MP4 Decoder
- 18. Last Position DVD Memory
- 19. OSD (On Screen Display)
- 20. NTSC/PAL Compatible
- 21. Full Function Remote Control
- 22. AM/FM PLL Synthesizer Tuner with 30 Memory Presets
- 23. Auto Store Pre-set Scan
- 24. Preset EQ (POP CLASSIC ROCK JAZZ USER)
- 25. Bass/Treble/Fader/Balance Controls
- 26. Encoder Volume Control
- 27. Extending Amplifier Control
- 28. Auto Antenna Control
- 29. Brake Reminder System
- 30. Digital Clock
- 31. Hi Power 50W x 4
- 32. 4 RCA Audio Outputs
- 33. 2 RCA Sub-Woofer Outputs
- 34. 1 RCA Video Output
- 35. 1 Set RCA Audio Video Input
- 36. 1 RCA Rear View Camera Input
- 37. Built-In TV Tuner (External Antenna optional)
- 38. SD Card/Mini USB port (USB Cable supplied)
- 39. iPod Input Connection (Cable not supplied)
- 40. Bluetooth Hands Free Function
- 41. Navigation Ready



# **ACCESSORIES**

USB Cable x 1



Keys x 2

Stylus x 1

Mounting Sleeve x 1



# **WIRE CONNECTION**

#### **Cautions**

- 1. To prevent short circuits, remove the key from the ignition and disconnect the terminal of the battery.
- 2. Make the proper input and output cable connections for each unit.
- 3. Connect the wiring harness cables in the following order: ground wire, battery wire, ignition wire.
- 4. Reconnect the terminal of the battery.
- 5. Do not connect the yellow wire of this product directly to the battery terminal.
- 6. Do remember to connect the red wire of this product to the ACC. of the ignition key switch. Failure to do may result in draining off the battery charge prematurely.
- 7. If the fuse blows, first make sure that the cables have not caused a short circuit, then replace the old fuse with new one with the same rating.
- 8. Do not let unconnected cables or terminals touch the metal on the car or other conductor.
- 9. To prevent short circuits, do not remove the caps form unused terminals or from the ends of the unconnected cables.
- 10. After the monitor unit is installed, check whether the brake lamps, blinkers, wiper, etc. on the vehicle are working properly. If not, please make sure they are proper installed.
- 11. Insulate unconnected wires with vinyl tape or other similar material.

#### Warnings

#### **Disconnecting the Battery**

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

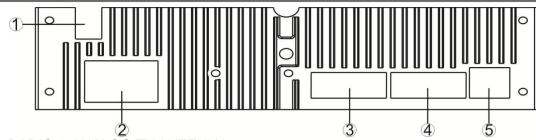
#### **Reconnecting the Battery**

When wiring is complete, reconnect the battery negative terminal.

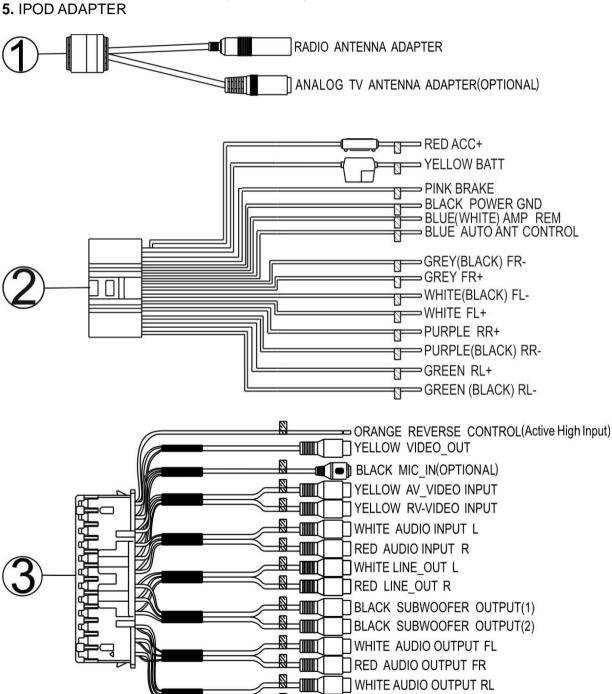
#### **Fuse Replacement**

Never replace any fuse with one of a higher value than the fuse supplied with your unit. Using a higher current rated fuse may cause damage to your unit and/or electrical wiring.

# **BOOSTER®**

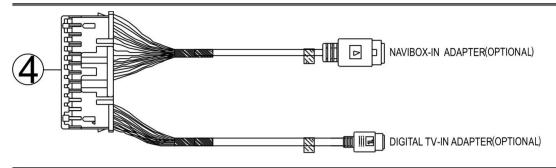


- 1. RADIO & ANALOG TV ANTENNA
- 2. 15PIN SOCKET
- 3. AUDIO / VIDEO OUTPUT & INPUT
- 4. NAVI & DIGITAL TV ADAPTER (OPTIONAL)



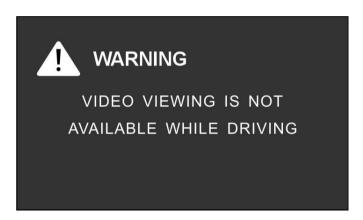
RED AUDIO OUTPUT RR





#### **Brake Control**

Connect the brake control wire AUTO\_ANT (see Wiring Diagram). It is necessary to connect the Brake Control wire to the Hand-brake switch of the car. While driving, the TFT monitor will display the alarm picture (see as follows) in order to ensure the safety.



Under the Rear View Mode, the Brake Control function is no effective.

#### **Telephone Mute Control (Optional)**

Connect the telephone mute control wire TEL\_MUTE (see Wiring Diagram). If there is a vehicle call comes in, the sound volume will mute off automatically, and TFT monitor shows: PHONE...; when call finished, the sound volume will recover to former volume, and the words PHONE... disappear.

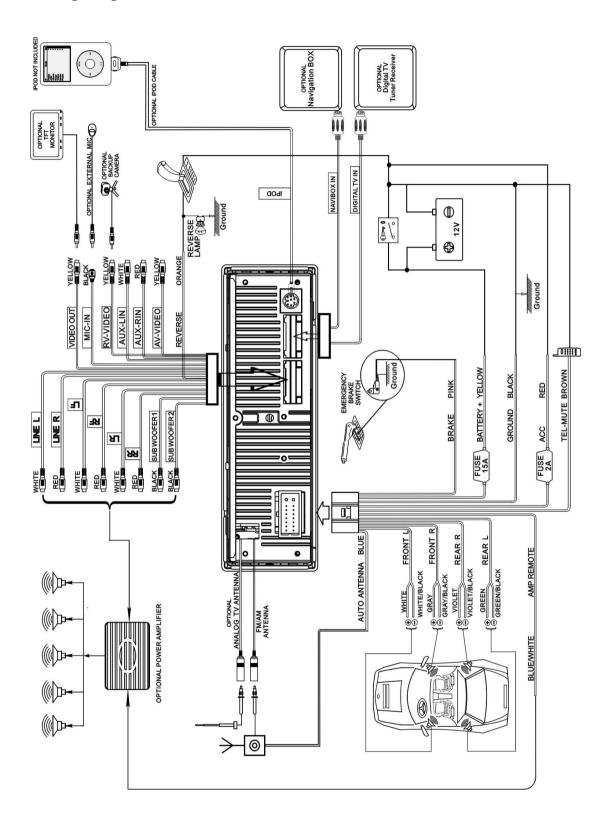
#### **Auto Antenna Control**

Connect the auto antenna control wire AUTO\_ANT (see Wiring Diagram). The antenna will lift when the unit startup; it will descend when the unit turnoff

FUSE: When replacing the fuse, make sure that the new fuse is the correct type and amperage. Using an incorrect fuse could damage the unit. This unit uses ( 2 amp ) Fuse for Ignition switch ( RED ACC+) & 15 amp Fuse for Memory Back up ( Yellow Batt )



# **Wiring Diagram**



# UNIT INSTALLATION AND REMOVAL

## BDVM-8455MPBTV



Please read all of the instructions before beginning the installation. Recommend having your unit installed by a professional installation shop.

#### **Tools and Supplies**

You will need these tools and supplies to install your unit

- 1. Torx type, flat-head and Philips screwdrivers
- 2. Wire cutters and strippers
- 3. Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- 4. Electrical tape
- 5. Crimping tool
- 6. Volt meter/test light
- 7. Crimp connections
- 8. 16 gauge wire for power connections
- 9. 8 gauge speaker wire

### Warnings

Choose the mounting location where the unit will not interfere with the safe driving conditions.

Install the unit where it does not get in the driver's way and can not injure the passenger if there is a sudden stop, like an emergency stop.

Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

#### **Cautions**

Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly, the unit and the system work properly.

Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.

Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.

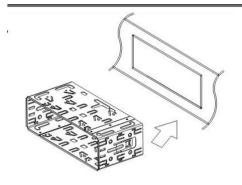
If installation angle exceeds 30 degrees from horizontal, the unit might not give its optimum performance

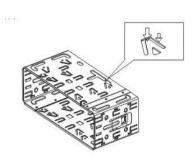
If the operating temperature exceeds under -20C or over +60C, the unit might not give its optimum performance. The unit may need to be switched off & turned on again to continue operations

Installation Method 1:

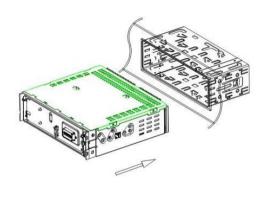
1 Install the mounting sleeve into the dashboard.

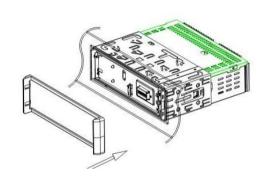
2 Bend the claws into place to secure the sleeve.



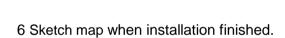


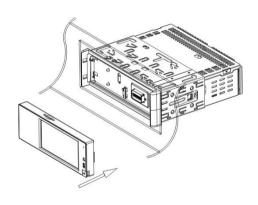
3 Slide the units into the mounting sleeve. 4 Install the trim bezel onto the unit.

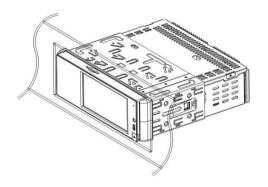




5 Install the face panel onto the unit.





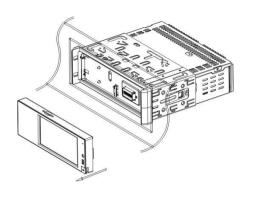


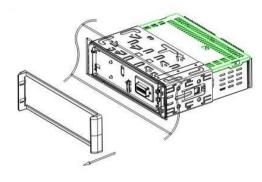
Removal Method 1:

1 Detach the face panel by pushing the release button.

2 Detach the trim bezel.

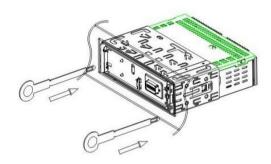
# **BOOSTER®**

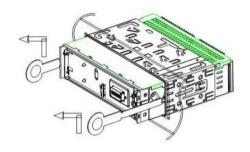




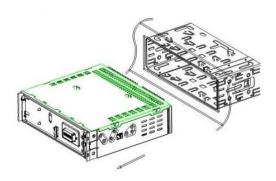
3 Insert the keys into the aperture between the unit and the mounting sleeve to release the internal locks.

4 Pull the unit out of the mounting sleeve.





5 Sketch map when removal finished.

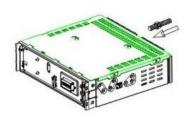


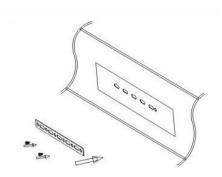
Installation Method 2:

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

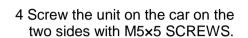
2 Tighten the back strap onto your car inside the dashboard.

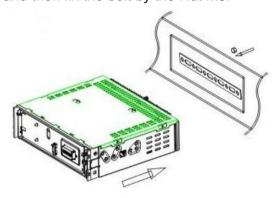
# **BOOSTER®**

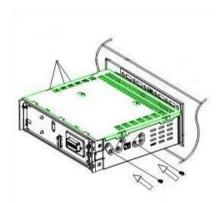




3 Place the unit into the dashboard; make the bolt bar across back strap; and then fix the bolt by the Nut M5.

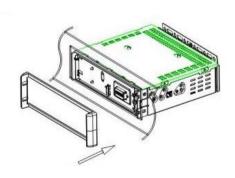


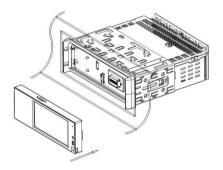




5 Install the trim bezel onto the unit.

6 Install the face panel onto the unit.



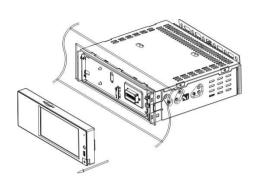


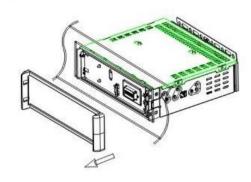
Removal Method 2:

1 Detach the front panel by pushing the release button.

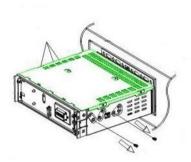
2 Detach the trim bezel.



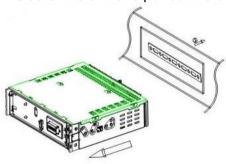




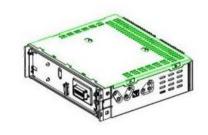
3 Unscrew the unit off the car on the two sides.



4 Unscrew the Nut M5 screw on the rear side of the unit and pull out the unit.

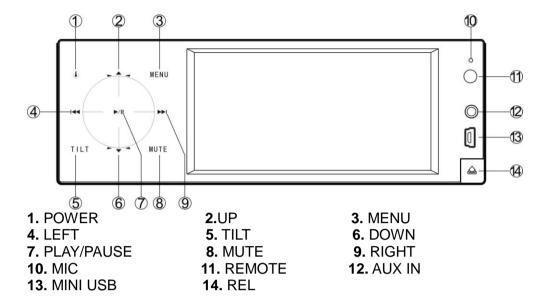


5 Sketch map when removal finished.





# FRONT PANEL



#### 1. Power

When ACC is on, touch the button to turn the unit on; hold on touching the button to turn off the unit.

When the unit is on, touch to switch between different modes.

# 2. [\(\)] / 9. [\(\)] / 6. [\(\)] / 4. [\(\)] Direction Key

Press the  $[\lor]$  /  $[\land]$  buttons to move the cursor upward / downward to select item. Press the  $[\lt]$  /  $[\gt]$  buttons to move the cursor leftward / rightward to select item.

#### 3. Menu

Touch to access the Main Menu.

Hold on pressing to access the navigation

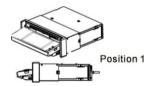
#### 4. Next / 9. Previous

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

### 5. Tilt

### **Inserting Disc**

Touch the [TILT] button, the front panel will slide down to Position 1; then insert a disc into the Disc Loading Slot; the panel will slide back automatically.



#### **Ejecting Disc**

Touch the [TILT] button, the front panel will slide down to Position 1; then eject a disc; the panel will slide back automatically if no action is taken.

#### **TFT Viewing Angle Adjustment:**

Hold on touch the [TILT] button to adjust the viewing angle as following: Angle 1- Angle 2- Angle 3- Angle 4- Angle 1













## 7. Play/Pause

Touch to pause or resume the playback.

#### 8. Mute

Press to switch off the sound; press it again to resume to the previous volume level.

#### 10. MIC

Microphone hole.

#### 11. Remote

Remote infrared receiver.

#### **12. AUX IN**

Connect an external audio device to this jack to listen to the device through your car speakers.

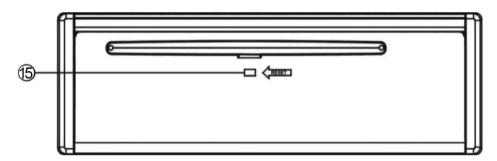
#### 13. Mini USB

The unit will be switched to DVD Mode automatically when USB connected, and play the songs, pictures, videos in USB.

#### 14. Release

Press to take off the panel for burglar-proof purpose.

# **BASE PANEL**



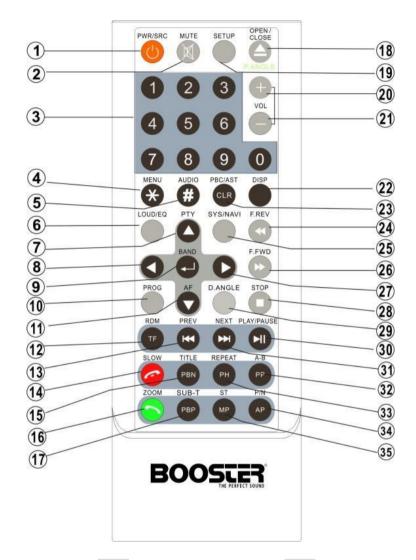
#### **15. RESET**

If the unit ever needs to be reset, you can do so by removing the face plate to gain access to the reset button.

Press and hold this button 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.



# REMOTE CONTROL



| 1  | POWER/SOURCE       | 13 | PREVIOUS                       | 25 | SYSTEM / NAVI    |
|----|--------------------|----|--------------------------------|----|------------------|
| 2  | MUTE               | 14 | SLOW / END CALL                | 26 | F. FWD           |
| 3  | NUMBER BUTTONS     | 15 | TITLE / PBN                    | 27 | RIGHT (SEEK UP)  |
| 4  | MENU / *           | 16 | ZOOM / CALL                    | 28 | STOP             |
| 5  | AUDI0 / #          | 17 | SUBTITLE / PBP                 | 29 | D. ANGLE         |
| 6  | EQ / LOUD          | 18 | OPEN / CLOSE / P.ANGLE / EJECT |    |                  |
| 7  | UP (TUNE UP) / PTY | 19 | SETUP                          | 30 | PLAY / PAUSE     |
| 8  | LEFT (SEEK DOWN)   | 20 | VOLUME +                       | 31 | NEXT             |
| 9  | ENTER / BAND       | 21 | VOLUME -                       | 32 | A-B / PHONE PAIR |
| 10 | PROGRAM            | 22 | DISPLAY                        | 33 | REPEAT / PHONE   |
| 11 | DOWN (TUNE         | 23 | PBC / AST / CLEAR              | 34 | PAL / NTSC / AP  |
|    | DOWN) / AF         |    |                                |    |                  |
| 12 | RANDOM /           | 24 | F. REV                         | 35 | STEREO / MP      |
|    | TRANSFER           |    |                                |    |                  |

#### **NOTE**

This is a universal remote, some functions would be optional.



### 1. [POWER/SOURCE]

When ACC is on, press the button to turn the unit on; hold on pressing the button to turn off the unit. When the unit is on, press to switch between different modes.

#### 2. [MUTE]

Press to switch off the sound; press again to resume to the previous volume level.

#### 3. [NUMBERS 0~9]

Radio Mode, press the buttons 1~6 to select a preset station, hold on touching to store current radio frequency to the preset station.

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

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

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

### 4. [MENU / \*]

DVD Mode, press to return to the boot menu when playing DVD disc. Bluetooth Mode, press to input the symbol \*.

### 5. [AUDIO / #]

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

Bluetooth Mode, press to input the symbol #.

#### 6. [LOUD/EQ]

Press to adjust the EQ setting as following: USER – POP – CLASSIC – ROCK – JAZZ – USER Hold on pressing to switch between LOUD ON / OFF.

# 7. [∧]/[PTY]

8. [<]

11. [\times]/ [AF]

27. [>] Direction Kev

DVD Mode and System Parameters Setup, press the  $[\lor]$  /  $[\land]$  buttons to move the cursor upward / downward to select item. Press the  $[\lt]$  /  $[\gt]$  buttons to move the cursor leftward / rightward to select item.

Radio Mode, press the [<] / [>] buttons to switch the stored stations. Hold on pressing the [<] / [>] buttons to fast seeking the next available channel by decreasing / increasing the tuning frequency; seeking will stop by pressing any button. Press the [ $\vee$ ] / [ $\wedge$ ] buttons to decrease / increase the frequency step by step. Hold on pressing the [ $\wedge$ ] /[PTY] to activate/deactivate the PTY function, hold on press the [ $\vee$ ] / [AF] to activate/deactivate the RDS operation.

TV Mode, hold on pressing the [<] / [>] buttons to fast tuning channel forward the low / high frequency automatically. Press the  $[\land]$  /  $[\lor]$  buttons to select the stored channel upward / downward.

Bluetooth Mode, press [<] / [>] buttons to switch between dialing page, phonebook, music and setup page.



|                                | GPS Mode, press the $[\lor]$ / $[\land]$ buttons to decrease / increase the brightness of the screen.   |
|--------------------------------|---|
| 9. [BAND/ENTER]                | DVD Mode, press to confirm the selection.   |
|                                | Radio Mode, press to switch the wave band as following: FM1 – FM2 - FM3 - AM1- AM2 - FM1  |
|                                | TV Mode, press to switch the TV audio as following: PAL M-PAL N -NTSC   |
|                                | Bluetooth Mode, press the button to turn on/off selected item.  |
| 10. [PROGRAM]                  | DVD Mode, press to enter / exit the PROGRAM Function when playing the DVD, VCD, CD disc.  |
| 12. [RANDOM/<br>TRANSFER]      | DVD Mode, press to turn RANDOM function on / off when playing DVD, VCD, CD disc.  |
|                                | Bluetooth Mode, press to transfer the call between the unit and your cell phone when talking the phone.   |
| 13. [PREVIOUS] / 31.<br>[NEXT] | DVD Mode, press to go to the pervious / next chapter, track or song.  |
| 14. [SLOW/END<br>CALL]         | DVD Mode, press to slow motion playback at 1/2x speed when playing DVD/VCD disc. Each press changes speed from 1/2x to 1/3x to 1/4x to 1/5x to 1/6x to 1/7x then back to normal play. |
|                                | Bluetooth Mode, press to reject or hang up a call.  |
| 15. [TITLE/PBN]                | DVD Mode, press to enter the title menu when playing DVD disc.  |
|                                | Bluetooth Mode, press to enter the next page of phone number list in phonebook.   |
| 16. [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.   |
| 17. [SUB-T/PBP]                | DVD Mode, press to change the subtitle language when playing DVD disc. Bluetooth Mode, press to enter the previous page of phone number list in phonebook.                            |
| 18. [OPEN/<br>CLOSE/           | Press the button to open the monitor to eject the disc, press it again to close the monitor.  |



P.ANGLE/ Hold pressing the button to enter into adjusting mode. **EJECT**] press it again to adjust the angle of the front panel as

following:

Angle 1 - Angle 2 - Angle 3 - Angle 4 - Angle 1 19. [SETUP]

DVD Mode, press to enter/ exit the DVD SETUP menu.

20. [VOL+1/ Press to increase / decrease the volume.

21. [VOL-] Hold on pressing the button to keep increasing/decreasing

the volume.

22. [DISPLAY] DVD Mode, press to display current playback information.

Bluetooth Mode, press to return to the previous page.

23. [PBC/AST/CLEAR] DVD Mode, press to select the PBC function on / off when

playing VCD disc.

Radio Mode, press to review stored stations: Hold on pressing to automatically program the 6 strongest stations

available into the presets in the each wave band.

TV Mode, automatically seek the stations available.

Bluetooth Mode, press to cancel or clear the numbers you

have input.

24. [F.REV] / 26. [F.FWD]

DVD Mode, press to fast reverse / fast forward 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. [SYSTEM/NAVI] Press to enter / exit the System Parameter Setup menu

when playing DVD, VCD and CD disc.

Hold on pressing to enter / exit the NAVI Mode.

28. [STOP] DVD Mode, when DVD/VCD/CD disc playback, press the

> button once to stop the playback, press the [Play/Pause] button to resume the playback again. Press the button twice to stop the playback, press the [Play/Pause] button to start the playback from the beginning of disc. When MP3 disc playback, press the button to stop the playback, press the [Play/Pause] button to start the playback from the

beginning of track.

29. [D.ANGLE] DVD Mode, press to select different viewing angles with

interactive DVD media during playback.

30. [PLAY/PAUSE] DVD Mode, press to pause or resume the playback.

**32. [A-B/PHONE** 

PAIR1

DVD Mode, press to set point A, press it again to set point B. then the unit starts to repeat from A to B. When playing DVD, MP3, press it again to stop repeating. When playing

VCD, CD, press it again to repeat all tracks.

Bluetooth Mode, press to start phone-pairing.



#### 33. [REPEAT/PHONE]

DVD Mode, press to repeat as CHAPTER-TITLE-ALL-REPEAT OFF when DVD playback. Press to repeat as TRACK-ALL-REPEAT OFF when VCD/CD playback. Press to repeat as REPEAT ONE-REPEAT ALL-REPEAT OFF when MP3 playback.

Bluetooth Mode, press to break off or connect cell phone with the unit.

# 34. [P/N/AUDIO PLAYER]

DVD Mode, press to switch the video output (PAL/NTSC) when playing DVD disc.

Bluetooth Mode, press to enter into AUDIO PAIRING.

# 35. [STEREO/MUSIC PAIR]

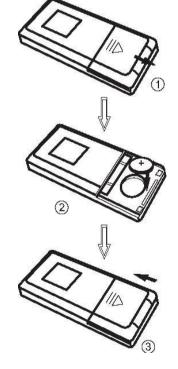
Radio Mode, press to turn the stereo on / off under.

Bluetooth Mode, press to break off or connect the music storage medium with the unit.

## **REPLACING THE BATTERIES**

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

- Pull out the battery holder. Follow the arrow 1 slide it to the right toward the battery while at the same time pull the battery holder away from the remote control.
- 2. Place the new battery. Place the new lithium battery with the (+) side up.
- 3. Push the holder back. Using the finger to push in the holder back until the locking sound is heard.

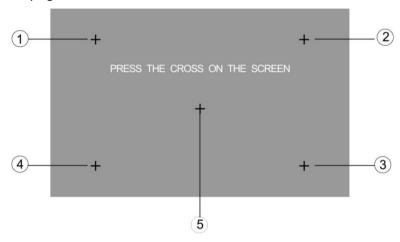




# **TOUCH SCREEN OPERATIONS**

## **TOUCH SCREEN CALIBRATION**

When "Power Off", press the buttons 2, [BAND] of remote control to enter the CALIBRATION page:



To touch the points from 1 to 5 until the points change to next cross by using a ballpoint pen or pencil. After all 5 points have been touched, the unit has been finished the CALIBRATION. If the calibration is succeeded, the unit would display the following page and then power off automatically.



If the calibration is failed, the unit would display the following page and please operate the above processes again.





## **MAIN MENU**



- 1. Touch to access the **DVD** mode.
- 2. Touch to access the RADIO mode.
- 3. Touch to access the NAVIGATION mode.
- 4. Touch to access the i-POD mode.
- 5. Touch to access the **SD CARD** mode.
- 6. Touch to access the **Bluetooth** mode.
- 7. Touch to access the TV mode.
- 8. Touch to access the 2<sup>nd</sup> page of MAIN MENU.



- 1. Touch to access the **USB** mode.
- 2. Touch to access the AV IN mode.
- 3. Touch to access the AUX IN mode.
- 4. Touch to access the SYSTEM PARAMETERS SETUP.
- 5. Touch to access the 1st page of MAIN MENU.
- 6. Touch to access the previous working mode.

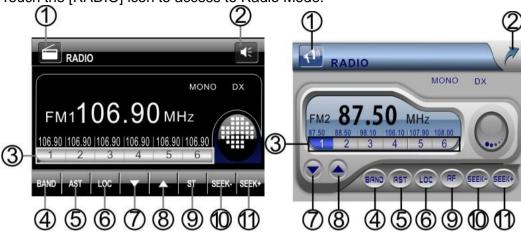
This unit has been equipped to allow to select any of the 2 different GUI ( Graphic user interface )



## **RADIO OPERATIONS**

6. Local

Touch the [RADIO] icon to access to Radio Mode.



**1. Menu** Touch to return the main menu.

**2. Mute**Touch to switch off the sound; touch it again to resume to the previous volume level

**3. Preset Stations**Touch to select a preset station, hold on touching to store current radio frequency to the preset station.

**4. BAND**Touch the icon to switch the FM/AM wave band as following: FM1 - FM2 - FM3 - AM1- AM2 - FM1

Touch to automatically program the 6 strongest stations available into the presets in the each wave band; touch any icon to stop the tuning. After tune, the unit will scan through all tunable presets stations and play them for 5 seconds each; touch any icon to stop the playing.

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

7. Tune Frequency –
 Down/8. Tune
 Frequency - Up
 Touch to tune the radio to a lower/higher frequency by one frequency step. Hold on touching for continuous tuning down./up.

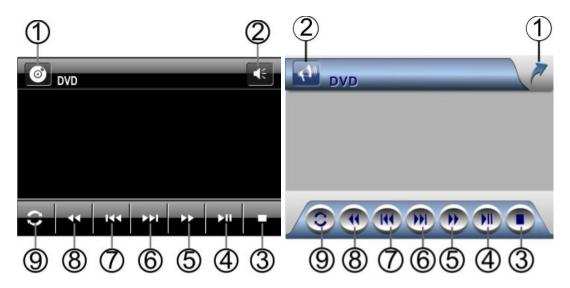
**9. Stereo** Touch to set the stereo on / off.

10. / 11. Seek Next Touch to tune to the next strong station at a lower / higher station – Down / Up frequency. Touch any icon to stop seeking.



# **DVD PLAYER OPERATIONS**

- 1. Touch the [DVD] icon to access to DVD Mode if disc inside.
- 2. The unit will be switched to DVD Mode automatically when inserting the disc.
- 3. The unit will switch to RADIO Mode automatically if disc ejected.



1. Menu

2. Mute

3. Stop

Touch to return the main menu.

Touch to switch off the sound; touch it again to resume to the previous volume level

When DVD/VCD/CD disc playback, touch the icon once to stop the playback, touch the [Play/Pause] icon to resume the playback again. Touch the icon twice to stop the playback, touch the [Play/Pause] icon to start the playback from the beginning of disc.

When MP3 disc playback, touch the icon to stop the playback, touch the [Play/Pause] icon to start the playback from the beginning of track.

4. Play/Pause

Touch to pause or resume the playback.

5. / 8. Fast Forward / Fast Reverse

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

6. Next / 7. Previous

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

9. Switch

Touch to access the 2<sup>nd</sup> page of DVD menu.

Note: When inserting a CD containing various formatted multimedia files, the unit will automatically select the 1st audio file by default & playback. Alternately, you may select a file manually to listen/watch the desired multimedia.





1. Capture Image

Touch to capture the current playing image and store into memory for background or screen saver.

3. Display

Touch to display the current playback information on the screen.

4. Repeat

Touch to repeat as CHAPTER-TITLE-ALL-REPEAT OFF when DVD playback.

Touch to repeat as TRACK-ALL-REPEAT OFF when VCD/CD playback.

Touch to repeat as REPEAT ONE-REPEAT ALL-REPEAT OFF when MP3 playback.

5. Direction Arrows Keyboard Touch to display the [Direction Arrows Keyboard] on the left side of screen. Touch repeatedly to move the [Direction Arrows Keyboard] icons on the right side or left side of screen.











6. Menu

7. Switch

Touch to go to the menu of disc when playing DVD disc.

Touch to access the 1st page of DVD menu.

#### 2. Setup

Touch to access the DVD SETUP menu.

Touch the [<] / [>] icons to switch the main menus as following:

#### SYSTEM - LANGUAGE - VIDEO - SPEAKER - DIGITAL

Touch the  $[\land]$  /  $[\lor]$  icons to access the submenus from main menus.

Touch the  $[\wedge]$  icon on the top submenu or  $[\vee]$  icon on the bottom of submenu to exit the submenus to main menus. Touch the  $[\wedge]/[\vee]$  icons to select the submenus as your need.

Touch the [>] or [ENTER] icons to access the items of submenus.

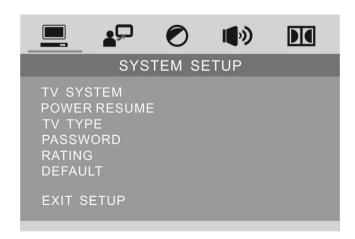
Touch the [<] icon to exit the items of submenus.

Touch the  $[\vee]$  /  $[\wedge]$  icons to select the item you want to change.

Touch the [OK] icon to confirm the item you have selected and exit to the submenus.

Touch the [OK] icon on the submenu EXIT SETUP to exit the DVD SETUP Menu and save all settings.

#### SYSTEM SETUP



# BDVM-8455MPBTV



**TV** Following options are available for the TV Display:

SYSTEM NTSC PAL AUTO

**POWER** Following options are available for the Power Resume:

RESUME ON OFF

**TV** Following options are available for the TV Display:

**TYPE** 4:3 PS 4:3 LB 16:9

**PASSWORD** | Setup the password for Parental Ratings change. The default password is

0000.

**RATING** Following options are available for the Parental Ratings:

1 KID SAFE 2 G 3 PG 4 PG 13 5 PG - R 6 R 7 NC - 17 8 ADULT

The Parental Ratings could be changed after the correct password input.

**DEFAULT** The unit will restore all default settings by selecting this option.

#### LANGUAGE SETUP



| OSD<br>LANGUAGE      | ENGLISH | FRENCH  | GERMAN    | PORTUGUESE | RUSSIAN |
|----------------------|---------|---------|-----------|------------|---------|
|                      | SPANISH | DUTCH   | NORWEGIAN | SWEDISH    | KOREAN  |
|                      | DANISH  | ITALIAN | POLISH    | HUNGARIAN  |         |
| AUDIO<br>LANGUAGE    | ENGLISH | FRENCH  | GERMAN    | PORTUGUESE | RUSSIAN |
|                      | SPANISH | DUTCH   | NORWEGIAN | SWEDISH    | KOREAN  |
|                      | DANISH  | ITALIAN | POLISH    | HUNGARIAN  |         |
| SUBTITLE<br>LANGUAGE | ENGLISH | FRENCH  | GERMAN    | PORTUGUESE | RUSSIAN |
|                      | SPANISH | DUTCH   | NORWEGIAN | SWEDISH    | KOREAN  |
|                      | DANISH  | ITALIAN | POLISH    | HUNGARIAN  |         |
| MENU<br>LANGUAGE     | ENGLISH | FRENCH  | GERMAN    | PORTUGUESE | RUSSIAN |
|                      | SPANISH | DUTCH   | NORWEGIAN | SWEDISH    | KOREAN  |
|                      | DANISH  | ITALIAN | POLISH    | HUNGARIAN  |         |



## **VIDEO SETUP**



| BRIGHTNESS | Following options are available for the BRIGHTNESS: 0 2 4 6 8 10 12 |
|------------|---|
| CONTRAST   | Following options are available for the CONTRAST: 0 2 4 6 8 10 12   |
| HUE        | Following options are available for the HUE: -6 -4 -2 0 +2 +4 +6    |
| SATURATION | Following options are available for the SATURATION: 0 2 4 6 8 10 12 |
| SHARPNESS  | Following options are available for the SHARPNESS: 0 2 4 6 8        |



#### **SPEAKER SETUP**



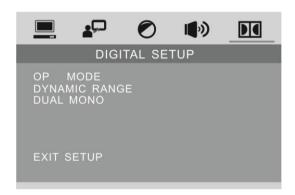
**DOWNMIX** Following options are available for the DOWNMIX:

LT / RT Stereo VSS

**FRONT** Following options are available for the FRONT:

LARGE SMALL

# **DIGITAL SETUP**



**OP MODE** Following options are available for the OP MODE

LINE OUT RF REMOD

**DYNAMIC RANGE** Following options are available for the DYNAMIC RANGE:

FULL 6/8 4/8 2/8 OFF

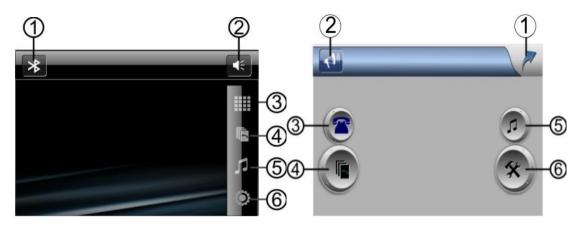
**DUAL MONO** Following options are available for the DUAL MONO:

STEREO MONO L MONO R MIX MONO



# **BLUETOOTH OPERATIONS**

Touch the [BLUETOOTH] icon to access the Bluetooth Mode:



1. Menu

2. Mute

3. Phone Call

4. Phone Book

5. Audio

6. Settings

Touch to return the main menu.

Touch to switch off the sound; touch it again to resume to the previous volume level

Touch to enter the phone calling.

Touch to enter the phone book lookup.

Touch to enter the audio device operation.

Touch to enter the Bluetooth settings.





Touch the icon 1~5, when item is changed to yellow color, the item is selected. And touch it again and the item is changed to green color, the operation is active.

1. Auto Answer

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

2. Phone Connect

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

3. Phone Pairing

Touch the icon and the below words on information display:

**PHONE PAIR WAITING** 



Then set the phone to pair with unit. When paring finished, set the phone connect with unit, then you can see the phone name on information display.

Touch the icon again to cancel the pairing and the below words on information display:

#### PHONE PAIR FAIL

#### 4. Audio Paring

Touch the icon and see the below words on information display:

### **AUDIO PAIR WAITING**

Then set the audio device to pair with unit. When paring finished, set the audio device connect with unit, then you can see the audio device name on information display.

Touch the icon again to cancel the pairing and the below words on information display:

#### **AUDIO PAIR FAIL**

#### 5. Pin Code

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

### 6. Information Display

#### NOTE:

The unit can pair with totally 5 different devices including cell phones and audio players. Use the [PHONE] / [AUDIO PLAYER] buttons of remote control to connect / disconnect the device.

- 1. When you want to connect another paired cell phone with unit, to press the [PHONE] button of remote control to disconnect the current connecting cell phone; use the another cell phone to connect with the unit without paring operations.
- 2. When you disconnected the current connecting cell phone, also you can press the [PHONE] button of remote control to connect the cell phone with the unit again.
- 3. When you want to connect another paired audio player with unit, to press the [AUDIO PLAYER] button of remote control to disconnect the current connecting audio player; use the another audio player to connect with the unit without paring operations.
- 4. When you disconnected the current connecting audio player, also you can press the [AUDIO PLAYER] button of remote control to connect the audio player with the unit again.



# **PHONE CALL**



1. Call

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

2. Clear

Touch to cancel or clear the numbers you have input.

3. End Call

Touch to reject or hang up a call.

4. Transfer

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

5. Number Keys

Touch the icons to input a phone number.

6. Information Display

#### **CALL OUT**

When call out, you will see the below information:

# CALL OUT. \*\*\*\*\*\*\*\*\*

When talking, you will see the below information:

# TALKING. \*\*\*\*\*\*\*\*

When end the call, you will see the below information:

## END CALL.\*\*\*\*\*\*\*\*

#### **CALL IN**

When call in, you will see the below image:



When talking, you will see the below image:

# **BOOSTER®**

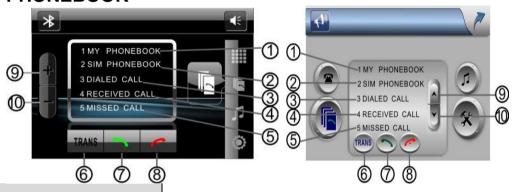


When end the call, you will see the below image:





## **PHONEBOOK**



1. My Phonebook

The phone numbers are stored in phone.

2. SIM Phonebook

The phone numbers are stored in SIM card.

3. Dialled Call

The phone numbers are dialled in phone.

4. Received Call

The phone numbers are received in phone.

5. Missed Call

The phone numbers are missed in 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 reject or hang up a call.

9. / 10. Previous Page / Next Page

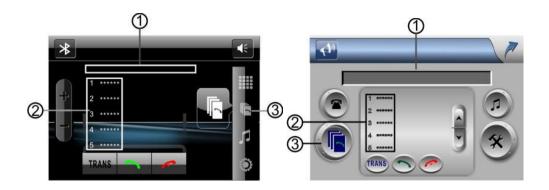
There are 5 numbers in each page, touch to see the

previous / next page.



#### **Phone Number List**

Touch the icon 1~5, when item is changed to yellow color, the item is selected. And touch it again and the item is changed to green color, the operation is active and you will see the below image:



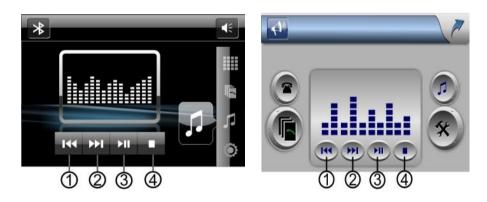
- 1. Information Display
  - You will see the phone number of the item in blue color.
- 2. Phonebook
- Touch to return the phonebook page.

3. Phone Number

If this number is stored, you will see the name; if not, you will see the phone number.

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

# **AUDIO**



- 1. Previous / 2. Next
- 3. Play / Pause
- 4. Stop

Touch to select the previous / next track.

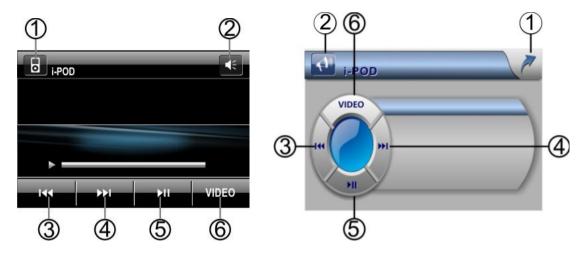
Touch to stop the playback; touch it again to continue playing.

Touch to stop the playback, touch the [Play/Pause] icon to start the playback from the beginning.



# **IPOD OPERATIONS**

- 1. Touch the [IPOD] icon to switch IPOD Mode if iPod is connected.
- 2. The unit will switch to IPOD Mode automatically if iPod is connected.
- 3. The unit will switch to RADIO Mode automatically if iPod is disconnected.

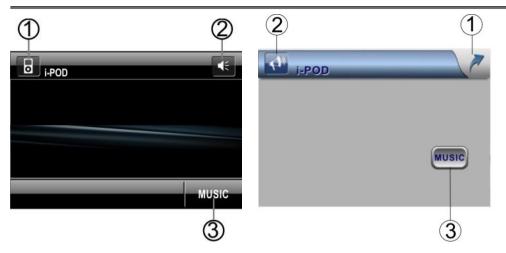


# **Music Page**

Under the Music Page, it is not effective for the controller of iPod itself, use the keys of unit to control the operation and all operations are same as DVD Mode.

| 1. Menu<br>2. Mute    | Touch to return the main menu.  Touch to switch off the sound; touch it again to resume to the previous volume level |
|-----------------------|--|
| 3. Next / 4. Previous | Touch to go to the next / pervious chapter, track or song.   |
| 5. Play/Pause         | Touch to pause or resume the playback.   |
| 6. Video              | Touch to access the video page.  |





# Video Page

Under the Video Page, use the controller of iPod itself to control all operations of iPod including play music, videos and view pictures.

| 1. Menu<br>2. Mute | Touch to return the main menu.  Touch to switch off the sound; touch it again to resume to the previous volume level      |
|--------------------|---|
| 3. Music           | Touch the icon to access the music page.  |
| NOTE:              | The TV Output in iPod SETUP should be effective, and the pictures & videos could be displayed on the TFT monitor of unit. |



# **SD CARD OPERATIONS**

| 1. | Touch the [SD CARD] icon to access to SD CARD Mode if SD / MMC Card inserted.   |
|----|---|
| 2. | The unit will switch to SD CARD Mode automatically if SD / MMC Card connected.  |
| 3. | When SD / MMC Card disconnected, the unit will switch to RADIO Mode automatically if there is no disc in the unit; the unit will switch to DVD Mode automatically if there is a disc in the unit. |
| 4. | Under the SD CARD Mode, all operations are same as DVD Mode.  |

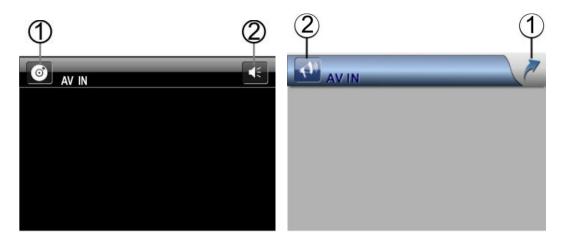
# **USB OPERATIONS**

| 1. | Touch the icon [USB] to access the USB Mode if USB connected.   |
|----|---|
| 2. | The unit will switch to USB Mode automatically if USB connected.  |
| 3. | When USB disconnected, the unit will switch to RADIO Mode automatically if there is no disc in the unit; the unit will switch to DVD Mode automatically if there is a disc in the unit. |
| 4. | Under the USB Mode, all operations are same as DVD operations.  |



# **AV IN OPERATION**S

Touch the icon "AV IN" to enter the AV IN Mode:



1. Menu

Touch to return the main menu.

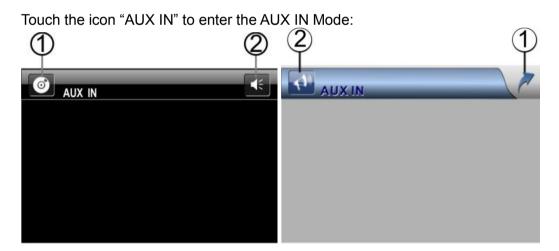
2. Mute

Touch to switch off the sound; touch it again to resume to the previous volume level

NOTE:

There are 2 RCA Audio Inputs & 1 RCA Video Input for unit.

# **AUX IN OPERATIONS**



1. Menu

Touch to return the main menu.

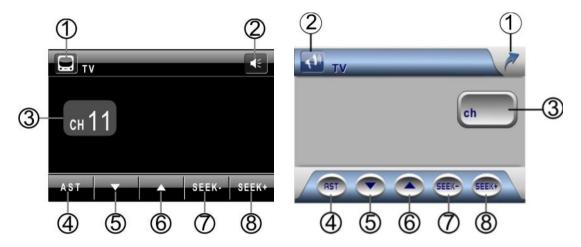
2. Mute

Touch to switch off the sound; touch it again to resume to the previous volume level



# TV OPERATIONS

Touch the icon "TV" to enter the TV Mode:



1. Menu

Touch to return the main menu.

2. Mute

Touch to switch off the sound; touch it again to resume to the previous volume level

3. Current Channel Indicator

Displays the TV channel currently playing.

# TV OPERATIONS - Cont' d

4. Auto Station Tune

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

5. / 6. Next Station - Down / Up

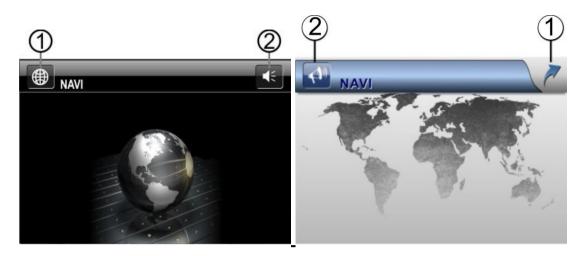
After the Auto Station Tune, touch to select the stations downward / upward.

7. / 8. Seek Next Station – Down / Up Touch to seek the next available channel by increasing / decreasing the tuning frequency.



# **NAVI OPERATIONS (Optional)**

Touch the [NAVI] icon to enter the Navigation mode.



#### 1. Menu

Touch to return the main menu.

#### 2. Mute

Touch to switch off the sound; touch it again to resume to the previous volume level.

#### Note:

The unit is equipped with Navigation adapter & can be connected to an external GPS navigation box BNAV-9100GPS ( SOLD SEPERATELY ) to enable the use of GPS function on this product.



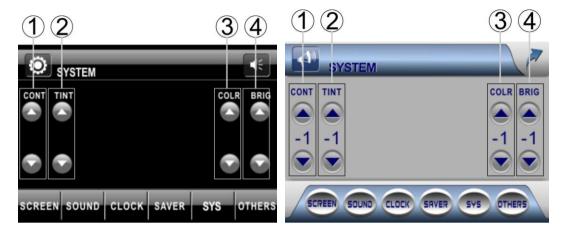
(GPS navigation box BNAV-9100GPS)



# **SYSTEM PARAMETERS SETUP**

Touch the [SYSTEM] icon to enter the System Parameters Setup.

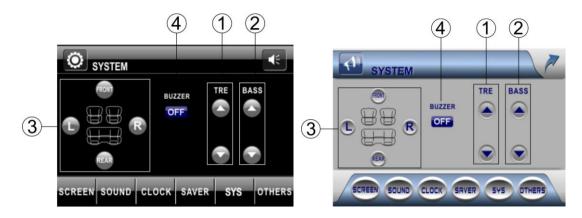
# **SCREEN SETUP**



| 1. Contrast   | Touch [UP] / [DOWN] icons to adjust the CONTRAST parameters (Range: -9 to 9);   |
|---------------|---|
| 2. Tint       | Touch [UP] / [DOWN] icons to adjust the TINT parameters (Range: -9 to 9);       |
| 3. Color      | Touch [UP] / [DOWN] icons to adjust the COLOR parameters (Range: -9 to 9);      |
| 4. Brightness | Touch [UP] / [DOWN] icons to adjust the BRIGHTNESS parameters (Range: -9 to 9); |



# SOUND SETUP



1. Treble Touch [UP] / [DOWN] icons to adjust the TREBLE parameters (Range: -9 to 9);

2. Bass Touch [UP] / [DOWN] icons to adjust the BASS parameters (Range: -9 to 9);

3. Balance / Fader Touch [LEFT] / [RIGHT] icons to adjust the BALANCE parameters (Range: -9 to 9); Touch [FRONT] / [REAR] icons to adjust FADER parameters

(Range: -9 to 9);

Touch to turn Buzzer on or off 4. Buzzer





Hour Touch [UP] / [DOWN] icons to adjust the HOUR;
 Minute Touch [UP] / [DOWN] icons to adjust the MINUTE;
 Time Mode Touch to switch the time mode between 12-Hour and 24-Hour;
 Time Display Displays the time currently.



### **SAVER SETUP**





1. Source Images List

Touch [UP] / [DOWN] icons to select the image captured from DVD, SD card and USB.

2. Screen Saver Images List Touch [UP] / [DOWN] icons to select the image of screen saver.

3. Desktop

Touch to set the selected image of source images list as desktop image.

4. Del

Touch to delete the selected image of screen saver images list, or delete the selected image of source images list.

5. Add

Touch to add the selected image of source images list as screen saver.

6. Screen Saver Time

Touch to adjust the screen saver time as following: 3MIN - 5MIN - NEVER-30S - 60S - 3MIN



#### **SYSTEM SETUP**



1. RADIO AREA

Touch [LEFT] / [RIGHT] icons to switch the Radio Area as following:

USA - JAPAN - ORIT - EUROPE - ASIA - USA

2.GUI

Touch [LEFT] / [RIGHT] icons to switch the GUI to Lightblue user menu or colors user menu

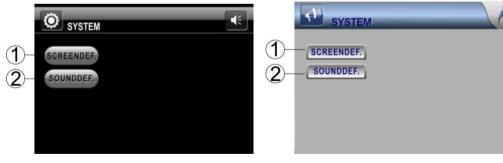
3. EQ

Touch [LEFT] / [RIGHT] icons to switch the EQ as following: USER – POP – CLASSIC – ROCK – JAZZ – USER

4. LOUD

Touch [LEFT] / [RIGHT] icons to turn Loud on or off;

# **OTHERS SETUP**



1 SCREENDEF

The unit will restore all default settings of Screen Setup.

2 SOUNDDEF

The unit will restore all default settings of Sound Setup.



# **SPECIFICATIONS**

# **GENERAL**

**Supply Voltage** 14.4V DC (11-16V allowed)

**Load Impedance**  $4\Omega$  per channel

**Max Power Output** 50W x 4 Bass 100Hz ≥ 10dB Treble 10KHz ≥ 10dB

Dimensions (approx.) 183 x 188 x 60 mm (d/w/h) **Mounting (approx.)** 160 x 178 x 50 mm (d/w/h)

### **FM TUNER**

**Frequency Range** 87.5 - 108 MHz (Europe/Asia)

87.5 - 107.9 MHz (USA)

IF 10.7 MHz **Usable Sensitivity** ≤ 15dBuV **Stereo Separation** ≥ 26dB (1 KHz) **Frequency Response** 100-20000Hz

### **AM TUNER**

**Frequency Range** 531 - 1602 KHz (Asia)

> 522 - 1620 KHz (Europe) 530 - 1710 KHz (USA)

IF 450 KHz

**Usable Sensitivity** ≤ 40dBuV

# TV TUNER (Optional)

**Frequency Range** NTSC: 55.25 MHz~855.25MHz

PAL: 48.25 MHz~855.25MHz

# **DVD PLAYER**

Signal-to-noise Ratio ≥ 85dB (1 KHz)

**Distortion** ≤ 0.5%

### **MONITOR**

Resolution 432 (w) x 240 (H) (RGB)

400 cd/m<sup>2</sup> **Brightness** 

Contrast 400:1

#### NOTE:

Specifications and design are subject to modification without notice due to improvement in technology.



# **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                 | Yellow wire not connected or incorrect voltage Re wire not connected or incorrect voltage | Check connections for proper voltage(11-16vdc)                                    |
| (no power)                            | Black wire not connected  | Check connection to ground  |
|                                       | ACC Fuse blown or Car battery fuse blown  | Install new fuse with correct rating  |
|                                       | Illegal operation   | Press the RESET button  |
| Unit has                              | Speaker wires not connected   | Check connections at speakers   |
| power (but no/low audio output)       | One or more speaker wires touching each other or touching chassis ground                  | Insulate all bare speaker wires from each other and chassis ground                |
| addio odtput)                         | Speakers damaged  | Review wiring diagram and check   |
| Poor sound quality or                 | Speaker power rating not compatible with unit   | Connect proper speakers   |
| distortion                            | Speaker is shorted  | Check speaker wire contact  |
| Unit resets itself when engine is off | Incorrect connection between ACC and Positive battery wire                                | Check wiring and correct  |
| I la it blasse                        | Yellow or red wire touching chassis ground  | Check for pinched wire  |
| Unit blows<br>fuse                    | Speaker wires touching chassis ground   | Check for pinched wire  |
|                                       | Incorrect fuse rating   | Use fuse with correct rating  |
| Unit has audio                        | Parking brake safety circuit not connected  | Check connections at parking brake  |
| (when in reverse)                     | Parking brake not applied   | Apply parking brake   |
| Excessive                             | Unit is not mounted correctly   | Check mounting sleeve   |
| skipping                              | Physical defect in media  | Check media for scratches   |
| IR remote                             | Dead battery  | Replace battery   |
| does not<br>work                      | Battery installed incorrectly   | Remove battery and install correctly  |
|                                       | TUNER   |   |
| Weak station                          | Auto antenna is not fully extended Auto antenna not properly                              | Connect the auto antenna control cable properly  Connect the auto antenna control |
| searching                             | connected   | cable properly  |
|                                       | LOCAL function is activated   | Turn LOCAL function off   |

# BDVM-8455MPBTV



| Problem   | Cause   | Action   |
|---|---|--|
|   | TFT MONITOR   |  |
| No video display  | Reverse circuit not connected   | Check connections at reverse lamp  |
| (when in reverse)   | Vehicle is not in reverse   | Select reverse gear  |
| Front panel will<br>not<br>open/close                       | Front panel obstructed  | Remove the obstruct and press<br>OPEN to resume the monitor<br>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   |
| Prolonged image or improper                                 | Improper video signal connections   | Check wiring and correct   |
| height/width ratio display                                  | Improper aspect ratio setup   | Use correct aspect ratio setting   |
| Touch screen function disorder if the position is excursion | Under different condition, for example: temperature, humidity, tec.                     | Do touch screen calibrate  |
| DISC  |   |  |
| Cannot insert disc  | Disc already inside unit  | Eject current disc and insert new one  |
|   | Disc is warped or scratched   | Use disc in good condition   |
|   | Disc is dirty or wet  | Clean disc with soft cloth   |
| DVD does not  | Incompatible disc is used   | Use compatible disc  |
| start<br>playback   | Disc rating exceeds Parental Lock rating limit  | Change parental Lock settings to lower restriction                                 |
|   | Disc region code is not compatible with unit  | Use disc with proper region code   |
|   | Disc is inserted upside down  | Insert disc with label side up   |
| Image blurred ,<br>distorted, or dark                       | Disc is illegally copied  | Use original disc  |
| No repeat or searching while playing VCD                    | PBC is on   | Turn PBC off   |
| Interruption occurred during MP3 playback                   | Disc is dirty or scratched  | Clean disc or replace new disc   |
| Bad Disc<br>appears<br>on display                           | Focus error   | Press eject or RESET   |



# **DISC NOTES**

Disc formats supported by this player













### **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.
  - On the seats or dashboard.

CD-R/CD-RW Some CD-Rs and CD-RWs may be incompatible with this unit depending on media type and COMPATIBILITY recording method. In addition, the following CDs may be incompatible with this unit

CDs exposed to extreme temperatures or direct sunlight for extended periods of time. CDs recorded in which recording sessions failed or re-recording was attempted and, or encrypted or copy-protected CDs which do not conform to the audio CD-DA red book recording standard

Note: CD standard size: diameter: 12cm, thinkness:1.2mm

MP3/WMA Media The following types of discs/files are compatible :

COMPATIBILITY · CD-ROM(ISO), CD-R, CD-RW

CD-DAMP3 dataWMA data

However, mp3 recording media and accepted formats are limited. The following types of discs/files are incompatible

· WMA files that are protected by DRM ( Digital Rights

Management)

WMA lossless formatMP3 PRO formatMP3 Playlists

WAV format

Only MP3/WMA files with filename extension (.mp3) or (.wma) can be played. Do not attempt to play discs which contain non MP3/WMA files with the MP3/WMA extension. Acceptable Media

When using CD-RW, use full format rather than quick format to prevent malfunction. RECOMMENDED SETTING For best results, use the following settings when burning a MP3 disc

128 kbps or higher constant bit rate 44.1 kHz or higher sampling frequency WMA disc 64 kbps or higher constant bit rate 32 kHz or higher sampling frequency

# BDVM-8455MPBTV



Electronic Shock Protection An internal buffer provides ESP to virtually eliminate skipping

For Default Setting · 45 seconds for CD recorded at 44.1 KHZ, 128kbps

70 seconds for MP3 recorded at 44.1 KHZ,128kbps

· 120 seconds for WMA recorded at 44.KHZ,128kbps

Bit Rates The unit supports bit rates up to 64kbps

Note: Some files may not play or be displayed correctly depending on sampling rates & bit rates.

### **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 became somewhat scratched (although not enough to made it unusable) depending on your handing 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.





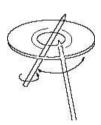
Do not touch the underside of the disc



Do not bend



Wipe the disc from the centre toward edge



- \* Manufactured under license from Dolby Laboratories.
- \* "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.