

BOOSTER®

THE PERFECT SOUND



BDVM-8360UBT

MANUAL DE INSTALAÇÃO DO PROPRIETÁRIO

DVD com Receptor Multimídia

3 "True Color TFT widescreen



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Please read all instructions carefully before attempting to install or operate.

Due to its technical nature, it is highly recommended that your BOOSTER BDVM-8350MP is installed by a professional installer of an authorized dealer. This product is only for use in vehicles with 12V DC negative ground only.

To get the best from your product, understand its capabilities and avoid all possible risks, we recommend that you take time to read this manual very carefully before handling the product.

Package contains the following accessories for installation and operation of the unit.



The Unit



1x UNIT IR-Remote Control with one CR2025 3Volt cell battery.



1x AV-IN Cable

- 1x Mounting Bracket
- 1x Assemble Bar
- 1x Screw B15x16
- 4x Bolt M5
- 1x Nut M5
- 1x Flat washer
- 1x Spring washer
- 2x Unit ejection bars



1x front panel protection case



User Manual.

Note:

Product image may vary from the actual delivery..

Precautions

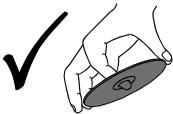
- Load one disc with the label side facing upwards and make sure you do not touch the data side with your fingers.
- Press the [OPEN] button on the unit to open and fold down the faceplate for loading or unloading a disc.
- Press the [EJECT] button in case there is already a disc inside the unit.
- Gently load a disc inside the unit and do not apply any force to the disc, it will automatically be loaded. Once the disc is inside the unit, close the faceplate again.

Note:

- Finger prints and dust on the disc surface can affect the sound quality. Clean the discs regularly with a soft cotton cloth from the disc center to the outside of the disc but do not clean in circular motions.
- Do not use any kind of solvent, such as diluting agent, gasoline, liquid detergent, gasoline liquid detergent antistatic aerosol used for vinyl, this may cause serious disc damage.
- Keep discs away from direct sunlight or any heat source.
- Do not stick any paper or stickers on a disc.
- Only use 12cm and round discs, do not insert any other type or size of discs.
- If a 12cm CD/DVD is ejected but not removed within 15 seconds, it will be reloaded automatically, but will not resume playing.

Once the disc is loaded, the unit will automatically start reading the disk and it will take a few seconds to download the disc initial data, thereafter the unit will start playing the disc.

Note: When the unit is on standby and a disc is loaded/ unloaded, the unit will turn ON automatically.



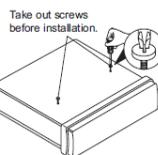
Notes on Installation

If your car is fitted with a one (1x) DIN size opening for a car audio system, you can install the Car Radio according to these steps.

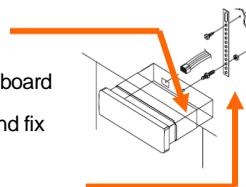
Note: Unit should be installed horizontally in an angle less than 30°.



NOTE: Before installing the unit, please remove the two screws.

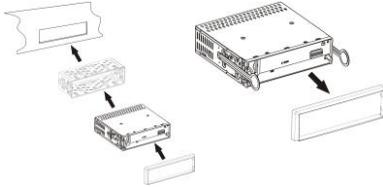


- 1) Insert the mounting bracket into the 1X DIN opening of your dashboard
- 2) Bend the mounting tabs outwards with a screwdriver, to tighten and fix the mounting bracket in its place
- 3) Connect the M5 Bolt to the rear of the unit
- 4) Check electrical connections as described earlier (either an ISO connection or separate wiring)
- 5) Insert the ISO connector into the unit
- 6) Push the unit into the mounting bracket until you hear a click
- 7) Move the assemble bar (metal strip with holes) over the M5 bolt and use the M5 nut to tighten the assemble bar.
- 8) Use the screw Bt5x20 to fix the other side of the assemble bar to the car body
- 9) Place the front rim over the unit to finish the installation.



Notes on Installation

Note: Step 7 and 8 are only possible when you can reach the back of the unit inside the dashboard.

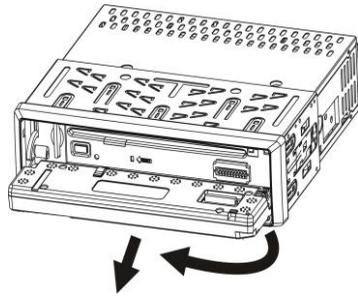
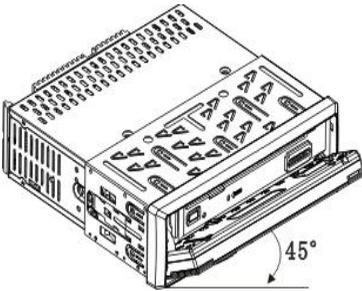


To remove the unit, **CAREFULLY** remove the front rim (do not use force, else the connection pins of the rim will break off) and place the two extraction keys into the left and right side of the unit until they click in place and pull the unit gently out of the dashboard.

Note: Please observe the following safety instructions for the connection of the device:

- Read the entire installation section before connecting the device.
- Disconnect the negative pole of the vehicle battery for the duration of the installation.
- Observe the safety instructions by the vehicle manufacturer during this task.
- If you need to drill holes for the installation, make sure that no parts of the vehicle are damaged.
- The cross section of the positive and negative cable may not be less than 2.5 mm².
- Do **not** connect any of the vehicle's plugs and cables to the radio unless you have the appropriate specialized knowledge of this process!
- Depending on the build of your vehicle, the installation may deviate from this description.
- We do not assume any liability for damages caused by faulty installations or connections, nor any subsequent damages.
- We recommend that you have the device installed by a specialized company. Then you will have created the prerequisites for a problem-free functioning of the device. If at any point during the installation you are unsure that you can correctly connect the device by yourself, contact a specialist. A faulty installation may cause damages to the device and the vehicle electronics.

Removing and Attaching the Faceplate



Removing

Open the front to min 45 degrees or to its fold down position. Gently press the right side towards the left and gently remove the faceplate by pulling it towards you.

Attaching

Gently place the left side of the front onto the locking pin, then gently click the right side onto the locking pin and close the front until you hear a click.

CAUTION: DO NOT insert the control panel into the right side. It can damage the control panel. Never use force or a tight grip onto the buttons or the information display when removing or attaching the Control Panel. The control panel can easily be damaged by shocks. To avoid damage or potential theft remove the Control panel, place it into the protective case and be careful not to drop it or subject it to strong shocks. The rear connector that connects between the main unit and the control panel is an extremely important part. Be careful not to damage it by pressing on it with fingernails, pens, screwdrivers, etc.

BOOSTER® BDVM-8360UBT Wire Connection Diagram

Wire Connection Diagram

Make sure you have good chassis ground. A good ground connection will eliminate most electrical noise problems. A good chassis ground requires a tight connection to the vehicle's metal chassis. The area around the ground connection should be clean, bare metal without rust, paint, plastic, dust, or dirt for a good electrical connection.



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POWER CONNECTIONS

RED-----IGNITION 12V+

YELLOW----BATTERY 12V+

BLACK----CHASSIS GROUND

BLUE-----AUTO ANT

USE 15AMP AGC REPLACEMENT FUSE ONLY

SPEAKER CONNECTIONS

GRAY-----RIGHT FRONT(+)

GRAY/BLACK---RIGHT FRONT(-)

WHITE-----LEFT FRONT(+)

WHITE/BLACK---LEFT FRONT(-)

VIOLET-----RIGHT REAR(+)

VIOLET/BLACK-----RIGHT REAR(-)

GREEN-----LEFT REAR(+)

GREEN/BLACK-----LEFT REAR(-)

MODEL: MULTIMEDIA RECEIVER
BDVM-8360UBT 12V NEGATIVE GROUND

S/N:

Electronic PLL Tuning stereo AM/FM.MPX
 Multimedia Receiver with Bluetooth function
 Fold down 3" DIGITAL Panel AV Receiver .
 Automatic memory preset store function
 Electronic Anti-shock for All AV format playback
 Built-in USB/MMC/SD Card reader
 FM:87.5 to 108 Mhz
 AM:530 to 1710 Khz
 DC:12V NEGATIVE GROUND

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CONNECTIONS



Radio Antenna

MADE IN CHINA

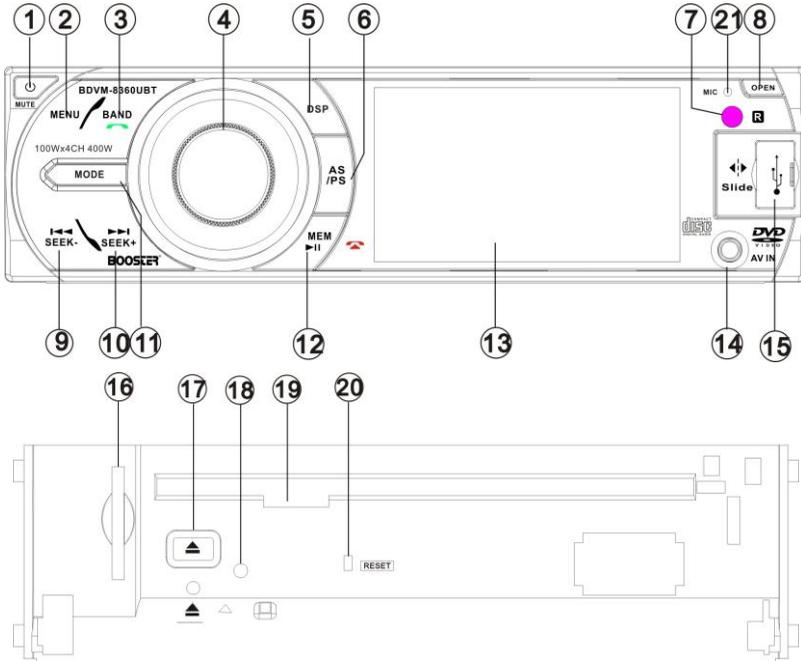
INCORRECT WIRING OR OPERATION WILL VOID THE WARRANT

Caution: Do not interchange the connection of the wiring!!!

For some car models you may need to modify wiring of the supplied power cord. Contact your authorized car dealer before installing this unit.

Remark: When you back a car, screen display switch to Rear Camera automatically

Control Locations – Receiver



- | | |
|---------------------|--------------------------------|
| 1. POWER/MUTE | 12. MEM/PLAY/PAUSE/REJECT CALL |
| 2. MENU | 13. TFT LCD DISPLAY |
| 3. BAND/ACCEPT CALL | 14. AV IN |
| 4. VOLUME KNOB /OK | 15. USB SOCKET |
| 5. DSP | 16. SD CARD SLOT |
| 6. AS/PS | 17. DISC EJECT |
| 7. IR SENSOR | 18. ANTI-THEFT LED |
| 8. OPEN | 19. DISC SLOT |
| 9. SEEK - | 20. RESET |
| 10. SEEK+ | 21. MIC |
| 11. MODE | |

General Operation

Power /MUTE button

Press the power button to switch the unit ON. Long press again to switch it OFF. Press the button briefly to Mute. Please note that the volume will be muted on all audio output connectors. The MUTE icon will be seen on the information display. To resume playing press the button briefly again.

Volume KNOB/OK

Adjust the volume level by turning the knob clockwise to increase or counterclockwise to decrease.

Press OK button to confirm a selection or setting.

Programming Preset

Station

Search a station by Manual or Automatic Tuning. When the desired station and frequency is found, press the MEM button, now press **▶▶** **◀◀** to choose preset 1-6, then press the VOL button to confirm and press MEM button to store the station. To store the found station in memory with the remote control, press the desired preset number (1-6) and hold pressed till you hear a beep, the station is now stored. This sequence can be repeated for every available BAND. Just press the BAND button to select the next available band and repeat the above sequence.

Selecting Preset Stations

Select the desired BAND. Now press the **▶▶** **◀◀** button or the **◀◀** **▶▶** button to choose the station, or on the remote control choose a preset station number (1-6)

◀◀ / ▶▶

Automatic Station search

In TUNER mode press and hold button **▶▶** (frequency increase) or **◀◀** (frequency decrease) button on the front panel or the remote press it, to search a station automatically. The frequency search will stop when a station is found or when the buttons are pressed again.

Next track

While a song or track or title is playing press the (NEXT **▶▶**) button to skip to the next track. No sound will be reproduced during this operation.

Previous track

While a song or track or title is playing press the (PREVIOUS **◀◀**) button to skip to the previous track. No sound will be reproduced during this operation.

Fast Forward

While a song or track or title is playing press and hold the **▶▶** button for longer than 2 seconds to Fast Forward (FFWD) within the current track. No sound will be reproduced during this operation.

Fast Reverse

While a song or track or title is playing press and hold the **◀◀** button for longer than 2 seconds to Fast Reverse (FREV) within the current track. No sound will be reproduced during this operation.

General Operation

**AS (Auto Store) /
PS (Preset Scan)**

AS (Auto Store): In tuner mode, Press the AS/PS on the panel or RPT/P.SCN button on the remote and hold for 2 seconds to store radio station's with the best reception to the preset buttons automatically.

PS (Preset Scan): In tuner mode, press this button to scan the preset memorized station, each preset scan for 5 seconds. Press again to stop operation.

Band / 

Press the Band button to select your frequency band of choice in the following sequence:

FM 1 → FM 2 → FM 3 → AM → FM 1 When a new frequency band is selected, the last chosen frequency / station of that frequency band will be heard.

In BT mode this button functions as the Call pick up  button (see Bluetooth Chapter).

MEM//PLAY/PAUSE/



In Radio mode,, see Program Preset Stations.

In Multimedia mode (DVD, USB, SD), press it to start or pause the playback. Press and hold the button for 2 seconds to stop the playback.

In Bluetooth mode: Hang up or Reject call. (See Bluetooth Chapter).

Mode

Press the Mode button to toggle between the available audio sources in the following sequence: **Radio →DISC→USB→ CARD→ Bluetooth →AV IN →Radio**. Selections only available if media is inserted.

DSP

Press the DSP button to choose sound effect in the sequence of **FLAT→CLASSICS→POP→ROCK→DSP OFF**

Menu

Press the MENU button to enter into the settings mode. Press the MENU to return to settings list.

In Radio mode, the MENU will display:
1)AUDIO => 2) EXPERT => 3) CLOCK

In AV IN/DVD/SD/USB mode, the MENU will display:
1) AUDIO => 2) PICTURE => 3) EXPERT => 4) CLOCK

AUDIO MENU

BASS	Support 10 levels. Default level is 0.
TREBLE	Support 10 levels. Default level is 0.
BALANCE	Support 10 levels for each left and right channel. Default is left equal to right.
FADER	Support 10 levels for each front and rear channel. Default is front equal to rear.
EQ DSP OFF	FLAT→CLASSICS→POP→ROCK→DSP OFF

General Operation**PICTURE MENU**

RED	Adjust level of red color. Support 50 levels. Default level is 25.
GREEN	Adjust level of green color. Support 50 levels. Default level is 25
BLUE	Adjust level of blue color. Support 50 levels. Default level is 25.
BRIGHTNESS	Adjust level of screen brightness. Support 50 levels. Default level is 25
CONTRAST	Adjust level of screen contrast. Support 50 levels. Default level is 25.
SHARPNESS	Adjust level of screen sharpness. Support 15 levels. Default level is 10
SCREEN	Adjust screen size: 16:9 →4:3→FULL
COLOR RESET	Resume color default status. (Select YES or NO, and press the ENTER button to confirm "YES")

EXPERT MENU

DX	Set search radio station by DX or LOCAL mode. DX→LOCAL
STEREO	Set radio audio at STEREO or MONO mode, STEREO→MONO
BEEP	Set press keys' sound. 2ND→ALL→OFF
LOUD	Set loudness on or off. OFF→ON
SUBWOOFER	Set subwoofer on or off .OFF→ON
BACKLIGHT	Set OSD BACKLIGHT: HIGHT→LOW →MID
OSD COLOR	Set OSD COLOR: VIOLET→LIGHT BLUE→DARK BLUE

CLOCK MENU

CLOCK	Set CLOCK display time ON or OFF
CLOCK HOUR	Set 24Hour format or 12Hour format
CLOCK ADJUST	Set CLOCK ADJUST time

General Operation**AV IN**

Connect an optional AV cable to your external AV device (such as a video camera), then press the MODE button to switch to the AV mode. Note: If there is no external video input, the TFT displays “NO VIDEO SIGNAL”.

Subwoofer

Connect the subwoofer to the unit using sub output (see wiring connection). Press MENU button, choose EXPERT and set subwoofer ON to enable subwoofer.

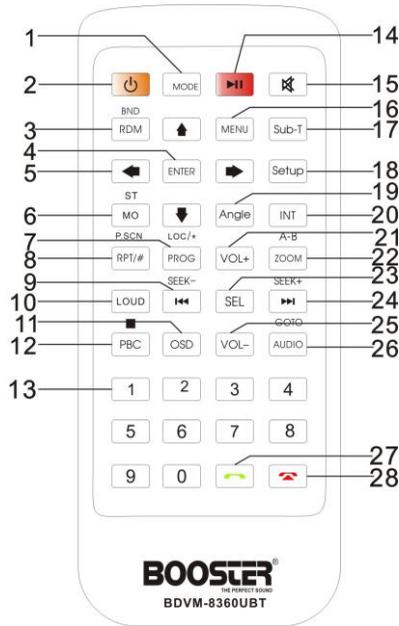
Back View Camera

This unit is equipped with back view camera output. The camera is used to observe the situation behind the vehicle when you are backing the car. Please connect your back view camera with the back car video input. And connect the reverse wire for back a car with the rear gear light. Rear view camera picture will be enabled when you are backing the car.

Auto switch to video

To promote safety, certain functions are disabled unless the parking brake is on. The Unit is designed to detect parked status and must be connected to the power supply side of the parking brake switch. When playing a movie file in a driving car, a warning screen will be displayed on the screen. When the car is placed on the hand brake, the screen will switch to video automatically. Improper connection or use of his connection may violate applicable law and may result in serious injury or damage. To avoid the risk of damage and injury and the potential violation of applicable laws, this unit is not for use with a video screen that is visible to the driver. Also, other video displays should not be in a location where it is a visible distraction to the driver. In some countries or states the viewing of images on a display inside a vehicle even by persons other than the driver may be illegal. Where such regulations apply, they must be obeyed and this unit's movie features should not be used. **Note:** The supplier waves any and all liability when these guidelines and warnings are not followed.

Control Locations – Remote Handset



- | | |
|---|--|
| 1. MODE | 13. NUMBERS 0-9 |
| 2. POWER ON-OFF | 14. PLAY / PAUSE |
| 3. BAND / RANDOM | 15. MUTE |
| 4. ENTER / CONFIRM | 16. MAIN MENU / |
| 5. LEFT, RIGHT, UP, DOWN
navigation arrows | MEDIA FILE MENU |
| 6. ST/MO | 17. SUB TITLE |
| 7. * SIGN (In Bluetooth Mode) / | 18. MEDIA FILE SETUP |
| PROGRAM (in Multimedia Mode) / | 19. ANGLE |
| LOC (in Radio Mode) | 20. INTRO SCAN |
| 8. # SIGN (In Bluetooth Mode) REPEAT | 21. VOLUME PLUS |
| (in Multimedia Mode) / PRESET | 22. REPEAT A-B / ZOOM |
| SCAN (in Radio Mode) | 23. SELECT MENU |
| 9. BACKWARD/
FAST BACKWARD/ TUNE DOWN | 24. FORWARD/
FAST FORWARD/
TUNE UP |
| 10. LOUD | 25. VOLUME MINUS |
| 11. OSD | 26. AUDIO / GOTO |
| 12. STOP / PBC | 27. CALL ACCEPT |
| | 28. HANG UP / REJECT CALL |

Control Locations – Remote

- | | |
|-------------------------------|--|
| 1. MODE button | Press it to select the mode: Radio, DISC (if there is a disc in unit), USB (if there is a USB device in the unit), CARD (if there is a SD/SDHC card in the unit), BLUETOOTH (if the connection is ok) and AV IN. |
| 2. POWER | power on or off |
| 3. BAND/ RDM button | In Radio mode, press to change radio band (FM1->FM2->FM3->-AM).
In Media file mode, press to play randomly. |
| 4. ENTER button | Press it to confirm a selection or setting. |
| 5. Cursor buttons | Use the  buttons to select a menu item, title, track or to show next frame. |
| 6. ST/MO button | In FM mode press ST/MO button to select STEREO or MONO sound reception. |
| 7. PROG/LOC/ * button | Press this button to enter the program search menu and use the up/down/left/right cursor buttons to select a position. Press a digit buttons to enter the number (To enter a number larger than 9, e.g. 123: press digit buttons 1, and then press 2, then press 3.). For Multimedia File, select title and chapter number or select track number. For a USB/SD with mixed files, select folder and file number. Press the PLAY/ PAUSE button to play, or move the cursor to select PLAY and press ENTER to play. If you want to delete the list, move the cursor to CLEAR, press ENTER to delete the entire list set before.

In radio mode, Press LOC button on remote control to select reception of local stations or DX for distance stations.

In BLUETOOTH mode, press it to make a * symbol, long press it to make a + symbol. |
| 8. P.SCN/ RPT/# button | In SD/USB mode, press to repeat REP 1 (repeat the current playing file) => REP DIR (repeat current folder) => REP ALL (repeat all folders) => REP OFF.

In Movie file (DVD) mode, press to start repeat Title, Repeat Chapter; Repeat ALL

In Radio mode: PS (Preset Scan): Press to scan all preset stations in the memory of the current band and stay on each memory stations for about 5 seconds.

AS (Auto Save): Long press to save the stations with good reception automatically in the current band and scan each station for about 5 seconds. To stop AS, press the button again.

In Bluetooth mode: Press to make a # symbol. |

Control Locations – Remote

- 9 / 24. ◀◀/▶▶ buttons** In Movie file or audio file mode, Press ◀◀ button to restart a track, press it twice to skip to the previous track. Press ▶▶ button to skip to the next track. Press and hold ◀◀ or ▶▶ button for two seconds to activate fast forward (FF) or fast reverse (REW) search in a track.
- In RADIO mode, press ◀◀ or ▶▶ button to start automatic searching, push and hold for two seconds to start manual searching. ▶▶ button Frequency up, ◀◀ button Frequency down.
- 10. LOUD button** Press button on remote control to set LOUD ON/OFF.
- 11. OSD button** In SD or USB mode, short press to show inserted USB/SD card icon. Press and hold the OSD button for 2 seconds to show the USB/SD card information, such as: Number of track, Current track time elapsed => Current track time remain => Total tracks time elapsed => Total tracks time remain.
- 12. STOP/PBC button** Press it to Stop playback from the current position, press it again to final stop to the very beginning. Press PLAY/PAUSE button to play again.
- Press and hold for two seconds to set PBC on/ off for VCD Discs.
- 13. Digit 0-9 buttons** In radio mode, select the desired preset station in the current band (0-6); In MULTIMEDIA mode, select track/song/title number. In BLUETOOTH mode, input "0-9" telephone number
- 14. PLAY/PAUSE button** In Multimedia mode, press it to pause playback, press again to resume
- 15. MUTE button** Short press this button to mute the volume output, press it again to resume volume.
- 16. MENU button** Press it to show the main unit setup menu, Press the UP or DOWN arrow to move to the next selection. Press the ENTER button to go to the selection, then press the LEFT or RIGHT arrow to decrease or increase the value or press the ENTER button to change the selection. In Multimedia mode with recorded DVD files or DVD discs,
- Press and hold the MENU button to activate the menu list on the screen. Choose the desired item and press the ENTER button to confirm the selected item and start playing; on front panel, press the OK button to confirm the selected item and start playing. (Available only if the recorded DVD file or DVD disc has this function).
- 17. SUB-T button** Press it to select the subtitle language (Available only with a recorded DVD file or DVD disc with subtitle function).
- 18. SETUP button** In Multimedia mode press it to enter the Multimedia setup menu.

Control Locations – Remote

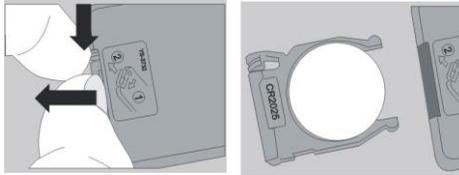
- | | |
|---|---|
| 19. ANGLE Button | Press it repeatedly to change the viewing angle (Available only with a recorded DVD file or DVD disc that has this function). |
| 20. INT Button | Press it to activate the intro function. You can play the beginning of every track for 10 seconds in sequence. |
| 21. VOL+ button | Press to adjust volume level up. |
| 22. A-B/ZOOM button | <p>During playback, press it at the starting point of section you want to repeat (A), press this button again at the ending point of the section you want to repeat (B), section A-B repeating starts. Press it again to cancel the A-B repeat function.</p> <p>Press it and hold for two seconds in Movie mode to zoom the image in or out in the sequence of ZOOM 2-> ZOOM 3-> ZOOM 4-> ZOOM 1/2-> ZOOM 1/3-> ZOOM 1/4->ZOOM OFF.</p> |
| 23.SEL button | Press it to enter the AUDIO menu. Press the UP or DOWN arrow to move to the next selection. Press the ENTER button to go to the selection then press the LEFT or RIGHT arrow to decrease or increase the value. |
| 24. See point 9. | |
| 25. VOL- button | Press to adjust volume level down. |
| 26. AUDIO/GOTO button | <p>In recorded DVD file or DVD disc mode press it to select the audio language.</p> <p>In DVD mode press and hold for two seconds to go into the set chapter/track/time directly, press left/right button to choose the item and go to the item.</p> |
| 27.  Button | In Bluetooth mode, press to make a call after keyed-in a phone number or accept an incoming call. |
| 28.  Button | Press to reject a call or hang up while calling only if the BLUETOOTH is connected. In BLUETOOTH NUMBER DIAL mode, short press it to clear an inputted number one by one, press it and hold for 3 or 4 seconds or clear all the inputted numbers at once. |

Changing the Battery

1. Press the catch and at the same time pull out the battery tray.
2. Insert the 1 x lithium battery, type CR 2025 3V battery with the stamped (+) mark facing upward. Insert the battery tray into the remote control.

Warning:

Store the battery where children cannot reach. If a child accidentally swallows the battery, consult a doctor immediately. Do not recharge, short, disassemble or heat the battery or dispose it in fire. Do not expose or bring into contact the battery with other metallic materials. Doing this may cause the battery to give off heat, crack or start a fire. When throwing away or saving the battery, wrap it in tape and insulate; otherwise, the battery may give off heat, crack or start a fire.



Note:

- Please remove the safety plastic on the battery compartment before first using the remote control. Otherwise the remote control won't operate properly.
- The distance may vary according to the brightness of ambient light.
- If the remote is not used for an extended period of time, remove the battery to prevent possible damage from battery leakage and corrosion.
- Do not place any objects between the remote control unit and the sensor on the unit.
- Do not drop the remote control onto the floor; it will damage it beyond repair.
- Do not use the remote control unit, while simultaneously operating the remote control unit of any other equipment; they may interfere resulting in improper operation.
- The battery normally last for about one year although depending how often the remote control is used. If the remote control unit isn't working even when it is operated near the unit, replace the battery with a new battery of the same make and use only a lithium cell battery type: CR2025 (3V).

Disposal of the battery

Please consider that you as an end consumer are obligated to return discarded batteries that are hazardous waste to a distributor or a redemption site intended for this purpose by a public waste management facility.

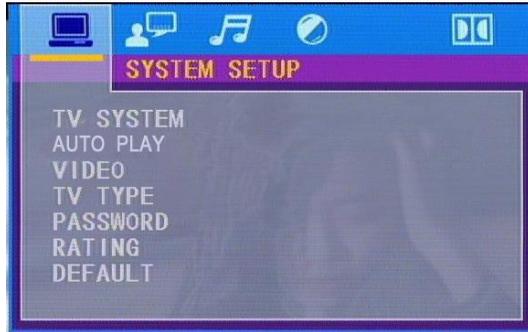
Multimedia Set Up Menu

When in Multimedia mode, press the SETUP button on the remote control to enter the Multimedia player setup menu to setup the Multimedia player operation setting. Press SETUP button to enter into the system settings main menu; press the left or right arrow buttons to move to the highlighted menu item and select one of the Setup Pages:

Press SETUP and then ENTER to enter into setup menu.

SYSTEM setup

[1] TV SYSTEM:



Select this menu item to set up your preferred video output format. PAL is commonly used in Europe, NTSC is commonly used in the USA and Japan. Auto is commonly used. PAL60 is occasionally used.

[2] AUTO PLAY setup:

When playing a DVD disc and you can setting AUTO PLAY ON OR OFF,

[3] VIDEO setup:

Check Video out type from this menu item.

[4] TV Type:

Set TFT screen mode to the correct ratio:

Three screen ratio modes are available, Normal/PS (4:3 Pan Scan), Normal/LB (4:3 Letterbox) and Wide (16:9). Different disc formats will display different images depending this setting and the screen size used.

[5] Password:

The password for this unit is initially set to factory default 0000. If you want to change your password, you need to enter the old password first and confirm it, and enter a new password and confirm. **WARNING:** if you forget your password, there is no possibility to reset the password again. Do not forget your password and write it down or store the password in a safe place.

[6] Rating / PARENTAL SETUP.

For DVD discs which support the USA rating system, setting up rating control can prevent children from watching content that might not be suitable for their age. You are asked to enter the password when you change the rating setting. The default password is 0000.

Control Locations – Remote

Code	Description
1.NONE	Kid safe
2.G	General Audiences – ALL ages admitted
3.PG	PARENTAL GUIDANCE SUGGESTED-Some material may not be suitable for children
4.PG-13	PARENTS STRONGLY CAUTIONED-Some material may be inappropriate for children under 13
5.PG-R	Restricted, under 17 requires accompanying parent or adult guardian.
6.R	RESTRICTED-Under 17 requires accompanying parent or adult guardian
7.NC-17	NO ONE 17 AND UNDER ADMITTED
8.Adult	Above 17 Admitted

[7] Default setup:

With this option you can clear all your setup and resume default setup.

LANGUAGE setup



[1]. OSD language setting:

With this option you can select the language for your On Screen Display (OSD).

[2].Audio Lang setting:

With this option you can select the preferred language for the audio output. When the selected language is recorded on the Multimedia files or DVD (not all Multimedia files or DVD's have multiple languages recorded) then this language will automatically be played. If not, the first language recorded on the Multimedia file or DVD is played.

Control Locations – Remote

[3]. Subtitle Lang setting:

With this option you can select the preferred language for the subtitles. When the selected language is recorded on the Multimedia file or DVD then this language will automatically be shown. If not, the first language recorded on the Multimedia file or DVD is displayed.

[4]. DISC Menu Lang setting:

With this option you can select the preferred language for the disc menu. When the selected language is recorded on the Multimedia file or DVD then this language will automatically be selected. If not, the first language recorded on the Multimedia file or DVD is displayed.

[5]. DivX® VOD setting:

Not Applicable

AUDIO SETUP



VIDEO setup

[1]. Key setting

This menu item serves to set the key tone of music.



[1]. Brightness setting:

With this option you can change the Brightness setting of the image.

Control Locations – Remote

DIGITAL setup

[2]. Contrast setting:

With this option you can change the Contrast setting of the image.

[3]. Hue setting:

With this option you can change the Hue setting of the image.

[4]. Saturation setting:

With this option you can change the Saturation setting of the image.

[5]. Sharpness setting:

With this option you can change the Sharpness setting of the image.



[1] Dynamic setup:

This function is to adjust the linear compression rate to obtain the different compression results of the signals. Standard set to OFF.

[2] Dual Mono setup:

Select the type of output of the Left and Right audio output connectors. Stereo is normal Stereo, L-Mono is all sound on the Left Audio output, R-Mono is all sound on the Right channel. The 'Mix-Mono' function only works when a Multimedia files or DVD is being played in DTS 5.1 mode.

USB, SD/MMC Operation

SD/MMC Cards & USB Operations

Inserting the SD/MMC card/ USB device

1. Turn the power on.
 2. Insert the USB device into the USB slot on the front panel. The playing mode will be changed into USB mode automatically. The unit will read the files automatically.
 3. To insert the SD/MMC card into the proper slot press the OPEN button on the panel to detach it and insert the SD/MMC card into SD/MMC slot. The playing mode will be changed into Card mode automatically. The unit will read the files automatically.
 4. To enter the SD/MMC mode or USB mode press the MODE button.
- USB/SD/MMC notes

USB Flash Memory

To play MP3/ MP4/ WMA files from a USB flash memory, insert a USB flash memory into the USB port on the right side of the unit. The unit will start playing MP3/MP4/ WMA files on the USB flash memory automatically. Or press the MODE button to select USB after pressing POWER button to turn on the unit.

PAUSE/ PLAY

In Multimedia mode, press it on remote or press MEM on front panel to pause playback, press again to resume

STOP

Press the STOP button on remote or long press MEM on front panel to stop playback. Press the PLAY/ PAUSE button to restart playback. If the card or USB is removed, the resume function will be cancelled.

Selecting Tracks

If the MP3/ MP4/ WMA files are stored in the folders on the USB drive or Card, the unit will start by playing the first song in the first folder. After playing all the files sequentially in the first folder, the unit will play all the files sequentially in the next folder. The unit will continue playing through all of the folders on the USB drive or card in this manner. Press the  button on the front panel or on the remote to play the previous track. Press the  button on the front panel or on the remote to play the next track. Press the digital buttons (0-9) to select the desired track/chapter.

Select MP3/PICTURE/MP4 Mode

If the MP3/ MP4/ WMA/image files are stored in the folders on the USB drive or Card, press  on the remote or press BAND on the panel to select MP3/PICTURE/MP4 mode.

USB, SD/MMC Operation**SD/MMC Cards &
USB Operations**

In MP3 mode press “”/”” on remote control or long press BAND on the panel , cursor move to folder, then press “Enter” on remote control or press “VOL” on the panel to confirm selection .then press the button on the front panel or on the remote to play the previous track. Press the on the front panel or on the remote to play the next track. Press the digital buttons (0-9) to select the desired track.

In PICTURE Mode press the button on the front panel or on the remote to play the previous image. Press the on the front panel or on the remote to play the next image. Press the digital buttons (0-9) to select the desired track. Press / buttons on remote control to rotate picture 90 degrees. Press / button on remote control to mirror the picture. Press stop button on the remote to exit the current mode and press / buttons on the remote or press BAND on the panel to select MP3/PICTURE/MP4 mode.

In MP4 Mode, press “”/”” on remote control or long press BAND on the panel, cursor move to folder, then press “Enter” on remote control or press “VOL” on the panel to confirm selection .then press the button on the front panel or on the remote to play the previous track. Press the on the front panel or on the remote to play the next track. Press the digital buttons (0-9) to select the desired track Press stop button on the remote to exit the current mode and press / buttons on the remote or press BAND on the panel to select MP3/PICTURE/MP4 mode.

Factory default settings (“RESET“)

By using the reset function, the device can be changed back to the factory default settings. To use the reset function, please press the OPEN button on the front panel. Now press the RESET button with a thin object. The device will then be reset and turned off if required.

Note: When the factory settings are restored, the clock and the stored radio stations will also be reset and erased.

Bluetooth Operation

The unit is compatible with Bluetooth international standard wireless communication technology V1.2 & V2.0 EDR and supports HFP, A2DP, AVRCP. The working range is ± 10 meters, but the actual connection distance depends on the working environment. Maximum 1 telephone can be connected at one time to the unit. The unit has excellent software controlled ECHO cancellation with noise elimination. You can place a hands-free call using a Bluetooth compatible mobile phone. When you place a call, speak loudly and clearly and shut the windows of your car before calling. Certain voices may sound unnatural, depending on the telephone line conditions. Depending on the mobile phone in use, you may not be able to use the hands-free phone function. Note: This unit can support most mobile phones with Bluetooth functions such as SAMSUNG, NOKIA, PANASONIC, SHARP, MOTOROLA, PHILIPS, SONY ERICSSON, SAGEM etc. Please refer to your mobile phone's user manual for Bluetooth setup and operation.

Pairing

Start searching a new device Bluetooth device according the manual of your Mobile Phone. As soon as you phone finds "CAR RADIO", select "CAR RADIO" and key in the code "0000" and confirm ok,. The Phone and the unit will now start pairing and the device pairing is finished if it displays "Connect OK". After a Bluetooth connection is made between

the Phone and the unit, the BT indication "BT" will be seen in the display.

Note: When using Bluetooth for the first time with your phone and the unit, you need to pair the devices. After you have paired the devices, you do not need to pair it again, unless the unit has lost all of its power.

Suggestion:

1. Set "My phone's visibility" as "show to all"
2. Select "Yes" in "Set as authorized."

Auto connect

When the unit is powered on, the last paired mobile phone will be connected automatically to the unit via Bluetooth if the mobile phone is in reach and Bluetooth on the mobile phone is switched on. The Auto connect sequence will take about one minute, if the unit cannot find the paired mobile phone, it will stop searching after one minute. In Bluetooth connected mode, the unit will disconnect automatically if you take your mobile phone beyond its Bluetooth effective range (8~10 meters). When you bring the mobile phone back near the unit, Bluetooth connection will be restored automatically.

BLUETOOTH Wait Call mode

IN the Bluetooth mode will display "sell mode..." after correct the Bluetooth connection is already established, you can press the MODE button repeatedly to enter the Wait Call mode from other modes. Press the cursor left/right buttons on remote control to enter these Bluetooth modes: NUMBER DIAL / LAST CALL / SPEED DIAL / DIALED LIST / RECEIVED LIST / MISSED LIST / PHONE BOOK. \

NUMBER DIAL mode

Input and dial a phone number: to enter a phone number, press the 0-9 digit buttons. For special symbols, press the * button on the remote control to input *, long press it to input +, press # button on remote control to input #. If you made a mistake, press the red  REJECT CALL to delete one digit at a time, long press it to delete the entire number. After a

Bluetooth Operation

number is entered, press the green **]** ACCEPT CALL button to dial the number.

Store speed dial numbers:

After inputting a phone number, long press a digit button (any of the 0-9 number) to store the phone number to this digit (10 numbers can be saved as speed dial numbers in locations 0 to 9).

Speed dial:

Long press a digit number button in Wait Call mode to dial the stored phone number.

Accept a call:

When a call is received, a ring tone is heard over the speakers and the screen is indicating a call is being received, press the green **]** ACCEPT CALL button on the remote control or on the front panel to receive the call. After the call is finished, the unit will go back to the previous mode automatically (e.g. Radio, CD, DVD, SD, USB, AV IN).

End a call:

Press the red **]** REJECT CALL button to cancel the dialing or hang up during a call.

Reject a call:

When a call is being received press the red **]** REJECT CALL button to reject the call

Voice transfer:

If you prefer a private conversation instead of the Hands free calling mode, press and hold the mode button for more than 2 seconds to transfer the call back to your mobile phone. To transfer the call back from the mobile phone to the Radio unit, press and hold the green **]** ACCEPT CALL button for more than 2 seconds again.

LAST CALL mode

Press the green **]** ACCEPT CALL button to redial the last number.

Press the red **]** REJECT CALL button to cancel the dialing or hang up during a call.

SPEED DIAL mode

On screen 3 stored speed dial numbers are displayed on one page, of a total of 10 numbers. Press the cursor up/down button on remote control to browse through the available SPEED DIAL numbers. Press the green **]** ACCEPT CALL button to dial the selected number. Press the red **]** REJECT CALL button to cancel the dialing or hang up during a call. At a selected Speed dial number, Press the red **]** REJECT CALL button to delete a saved number, and long press this button to delete all saved speed dial numbers.

DIALED LIST mode

Press it will display DIALED LIST that you have called .Press the cursor up/down button on remote control to browse , Press the green **]** ACCEPT CALL button to dial the selected number.

Bluetooth Operation

RECEIVED LIST mode

Press it will display RECEIVED LIST that the calling you have received .Press the cursor up/down button on remote control to browse , Press the green  ACCEPT CALL button to dial the selected number.

MISSED LIST mode

Press it will display MISSED LIST that the calling you have not received .Press the cursor up/down button on remote control to browse , Press the green  ACCEPT CALL button to dial the selected number.

PHONEBOOK mode

NOTE: the phonebook only supports Western Characters. Any difference in character will be shown as a x,* or #.

The screen displays contacts with names and phone numbers downloaded from the mobile phone. Press the cursor up/down button on the remote control to browse through the stored contacts. Press the green  ACCEPT CALL button to dial the selected contact. Press the red  REJECT CALL button to cancel the dialing or hang up during a call. At a selected contact, Press the red  REJECT CALL button to delete a contact, and long press this button to delete all saved contacts.

Download phonebook:

The unit will not download the phonebook from your mobile phone automatically after being connected, you need to transfer contacts manually.

Press and hold the SEL button more than 2 seconds on the remote control to start pairing the phonebook, the mobile phone will be disconnected from the unit once your pairing is started, this is a normal operation and not a defect of the unit. Operate your mobile phone to transfer contacts one by one, selected contacts or all contacts (depending the possibilities of your mobile phone) to the unit, the screen shows "Downloading" every time when receiving a contact from your mobile phone.

Press and hold the SEL button on the remote control once again to confirm and stop phonebook pairing.

Due to different mobile phones in the market, some phones will send first the Last Name and then the First Name of a contact, others will send First Name and then Last Name of a contact. The unit will display the contacts First Name / Last Name in the way it has been send by the mobile phone.

Note: After completing downloading the Phonebook date, due to different mobile phones in the market, some phones may auto connect with the unit, but some phones will not. In any case, you need to reconnect manually to Bluetooth between your mobile phone and the unit. (pairing is not needed again, only connect). The easiest way to do this, is to switch the unit off, wait for a few seconds and switch the unit on again.

Bluetooth Operation

Streaming Audio with A2DP (Advanced Audio Distribution Profile)

With A2DP and Mobiles phones that support the Bluetooth A2DP protocol, songs stored on the mobile phone can be played wirelessly via the speakers of the car radio unit.

Operation:

(See the manual of your Mobile phone for A2DP support). Connect the Mobile phone via Bluetooth as described in **Pairing**. When the unit is in Bluetooth Wait Call mode, select the MUSIC mode by pressing the left/right arrows of the remote control. From the Mobile phone, select a song in the music player and press Play on the mobile phone to play out the selected song. The song will now be heard via the speakers of the unit. To go back to Radio, Disc, SD, USB or AV IN, press the MODE button or stop playing the song via AVRCP.

AVRCP (Audio/Video Remote Control Profile)

AVRCP defines how to control characteristics of streaming media. This includes pausing, stopping, and starting playback as well as other types of remote control operations.

Operation:

First presses play on the mobile phone to start playing the selected song

Press the ◀◀ button to go to previous song

Press the ▶▶ button to go to the next song

Press the Play/Pause button to pause or play the song

To stop playing, press the Stop button or switch off the music player in the mobile phone.

Specification

GENERAL

Operational voltage: 12 Vdc (10.8 ~16V allowable)
 Fuse: 15 A
 Grounding: Negative pole on the vehicle body
 Installation angle: Vertical 0° to +30°, horizontal ±15°
 Net weight: 1.80 kg
 Composite video input: 1 (Front, 3.5mm)
 Audio input (AUX, Stereo): 1 (Front, 3.5mm)
 Audio output (RCA): 2channel
 Maximum power consumption: 10 A
 Installation size (W x H x D): 178 x 50x 165 mm
 Station memory: 24 (18 FM / 6 MW)
 Maximum power output: 4 x 41 Watt
 Impedance: 4 - 8 Ω
 Supported Medium: DVD, DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-R DL, DVD+R DL, CD, CD-R, CDRW, VCD, SVCD, SD, SDHC, USB
 Supported Formats : MP3, WMA, JPG, DivX, DivXPro and XviD / Subtitles .sub .srt .txt
 Supported file formats: MP3/.WMA/.JPG/.DAT/.VOB/.AVI/.MPG/.MOG2/.MP4/ 3.11~6.0
 Max. Number of tracks in MP3: 2.000
 Max. Directory depth: 8
 Max. Album name characters: 30
 Sampling frequencies: 44.1KHz (MPEG-I), 22.05KHz (MPEGII), 11,025KHz(MPEG-II.V), 48KHz(MPEG-I), 24KHz(MPEG-II), 12KHz(MPEG-II.V), 32KHz (MPEG-I), 16KHz (MPEG-II), 8KHz(MPEG-II.V)
 Supported MP3 Bit Rate: 8K-320Kbit/s.
 NOT supported files: ACC/.AAC/.DLF/.M3U/.PLS/.MP3PRO and files with DRM

FM / AM RADIO

FM Frequency range:87.5 – 108.0 MHz
 MW Frequency range:530 - 1710 kHz
 Antenna impedance:75 Ω

Specification

AUX

Frequency range (± 3 dB):20 Hz – 20 KHz
Audio input level:200mV (2V Max)
Audio output level:..... 2Vrms (1KHz, 0dB) $\pm 0.3V$

VIDEO

Normal video input level: 1.0Vp $\pm 0.2V$ (CVBS)
Video input impedance: 75 Ω
Video output impedance: 75 Ω
Video output level:..... 1.0Vp $\pm 0.2V$ (CVBS)

TFT MONITOR

Video standard: NTSC/PAL
Screen diameter: 3.0 inches
Resolution: 960 (W) x 240 (H) pixels
Brightness: 250 cd /m
Contrast:..... 400:1(minimum)
Backlight:..... LED, lifespan: 100000 hours (at 25°)

ENVIRONMENT

Temperature (operation): -10° to +60°
Storage temperature: -30° to +80°
Humidity (operation): 45% to 80% RH
Humidity (storage): 30% to 90% RH