Motorized 7" Color Display DVD Player

BAND   SETUP MENU   OSD IN/OUT   TILT

UP/DN   SEEK   POWER   MUTE MODE
ST   RPT   INT   RDM
ENT LUD

INSTRUCTION MANUAL

nextar™

TABLE OF CONTENTS

FEATURES

Monitor Screen
• Motorized Open/Close Monitor Control System
• Tilting Safety System (If the movement of the monitor opening or closing is
  hindered by an obstacle, the monitor will stop or returns to its previous position)
• Swivel Adjustment: Monitor is adjustable to the left or right
• 7.0 inch "A" Grade Color TFT LCD Resolution: 1440 (W) x 230 (H) pixels
                                        Backlight :   CCFL (life time - 10,000 hours)
• NTSC / PAL Multi Video System
• Mini LCD Display for Frequency and Clock information

Disc Playback
• Slim Size Auto-Loading DVD Mechanism with Electronic Anti-shock protection
• Last Position Memory
• Playback Modes Supported: DVD Video, DVD-R, DVD-RW, SVCD, VCD,
  JPEG Picture Disc HDCD, Audio CD, CD-R, CD-RW, MP3 CD, WMA™ CD

Receiver
• AM/FM Tuner with 30 Station Memory Presets
• Optional External TV Tuner Box (TV System supports: NTSC / PAL – I, BG,
  DK) with Built-in Diversity Control (Diversity Antenna is not included)

General
• Easy Control 5 - Way Joystick
• Screen Blanking during driving (No display on screen while driving for safety)
• Clock Display (Optional)
• Built-in Cooling Fan
• ISO Mounting

Input Output
• Output Power: 4X40W Max
• 1 Composite Video Ouptut
• 1 set AV inputs: 1 Composite Video Input plus 2 Channel Audio Input
• 1 Optical Output (5.1CH)
• 4CH Line-output with 1 Subwoofer Output
• Full Function IR Remote Control
• CD Changer Control (Sanyo 6 & 10 Disc CD Changer is an optional feature)

PRECAUTIONS

- Do not watch video playback while driving. This distraction can be the cause of significant danger and/or increase the risk of a traffic accident. In addition it may violate state and local laws and regulations.

- Do not install the unit where it may obstruct or interfere with safe operation of the vehicle.

- Do not open or disassemble the unit if the unit is damaged operating abnormally. Please consult a local service-center or distributor for proper repair.

- Do not open and close the monitor manually. This may damage the monitor tilt system.

- Do not touch the LCD screen. Doing so may damage or scratch the LCD screen.

- If the back of monitor touches the dashboard or air-conditioner vent, etc. when fully opened, be sure to return to the Setup TILT level in the Monitor TILT menu to prevent damage from repeated contact with the obstruction.

- Parking your car in direct sunlight may increase the temperature inside the car and the unit may not operate properly. Proper operation may not return until the interior has cooled.

- The power cable fuse is not user-replaceable. Please consult a professional service center. improper fusing may cause damage to the unit or to your vehicle. It may also pose a safety hazard from shock or fire.

- Do not use irregularly shaped or damaged discs.

- The IR remote control receiver may be obstructed or blocked by the monitor when the monitor is opened, interfering with the operation of the remote. In this case, try adjusting the level of the remote so that it is at a similar level as the remote control receiver.

- Do not install the unit where the cooling fan may be blocked.

ACCESSORIES
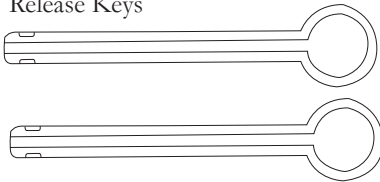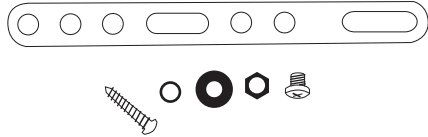
The unit contains the accessories detailed below:
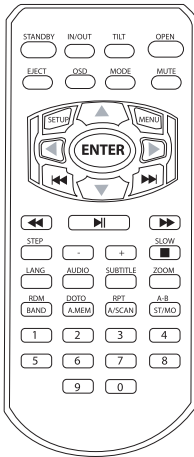
Release Keys

Mounting Screw and Bracket

IR Remote Control

External TV Tuner Box (Optional)

STANDBY   IN/OUT   TILT   OPEN

EJECT   OSD   MODE   MUTE

SETUP   MENU

ENTER

STEP   SLOW

-    +

LANG   AUDIO   SUBTITLE   ZOOM

RDM   DOTO   RPT   A-B

BAND   A.MEM   A/SCAN   ST/MO

1   2   3   4

5   6   7   8

9   0
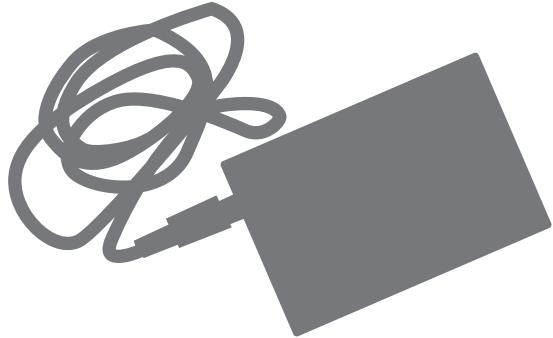
INSTALLATION

IMPORTANT NOTES – PLEASE READ FIRST
• Before starting installation of the unit, make sure all wiring is connected properly.
• Use only the parts provided with the unit to ensure proper installation.
• The use of unauthorized parts may cause improper functioning or damage to the unit.
• Install the unit where it does not interfere with the vehicle driver and will not injure passengers in the case of a sudden stop.

INSTALLATION

Please insert the half-sleeve (the unit holder) into the dash hole and bend the mounting tab upward and downward to fix the half-sleeve.

Then insert the unit into the half-sleeve hole until the unit engages the side locker with an audible clicking sound
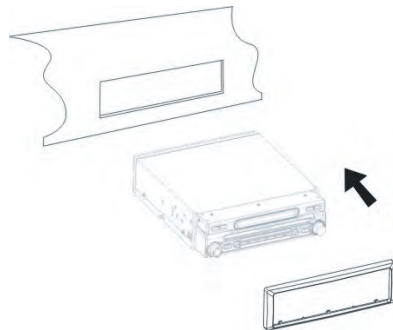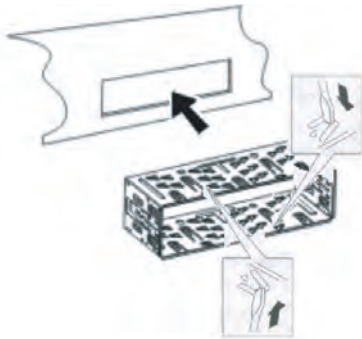
UN-INSTALLATION
Insert the supplied extraction keys into the unit and pull the unit out with the extraction keys.
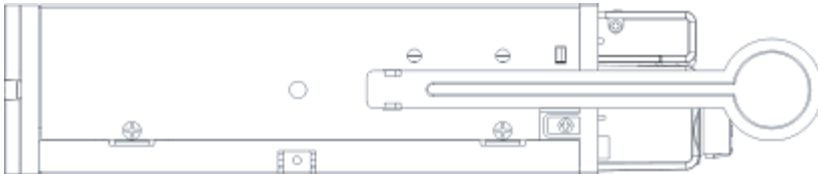
OPERATION

[1] Power
[2] Preset 1 / Step Backward
[3] Preset 2 / Step Forward
[4] Preset 3 / Play / Pause
[5] Preset 4 / Stop / Repeat
[6] Preset 5 / Fast Backward / Intro
[7] Preset 6 / Fast Forward / Random
[8] Mute
[9] Mode
[10] Eject
[11] Push Select / Volume
[12] IR Remote Sensor
[13] Open

[14] Preset Scan
[15] Local (DX) Button
[16] Ban d
[17] Joystick Up/Down/Seek Up/Down
[18] Enter / Stereo, Mono Select
[19] Loudness
[20] LCD Display
[21] Disc Loading Slot
[22] Tilt Level Adjustment
[23] In/Out
[24] OSD
[25] Menu
[26] Setup

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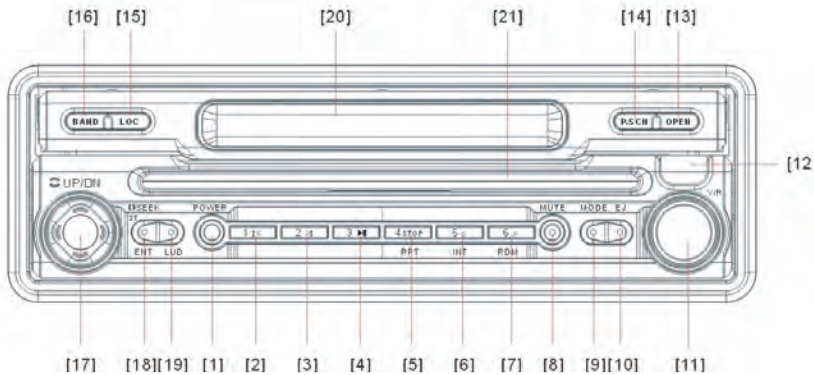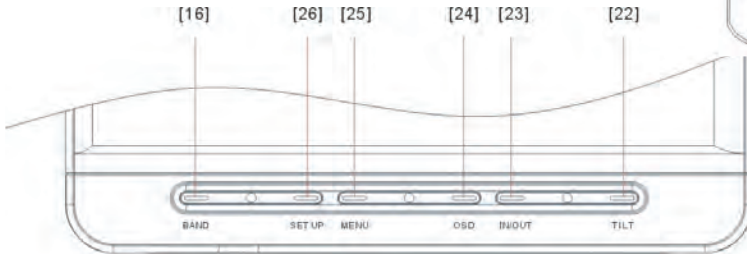
Front Panel And Remote Control Buttons

[1] POWER Button (STANDBY Button on Remote Control)
Press any button to turn on the unit. Press POWER button to turn off the unit.
When the Tilt is set to AUTO and the monitor is opened, power-off will
automatically close the monitor. When the Tilt is set to MANUAL, power–off will
not close the monitor automatically and the monitor will remain opened.
* RESET: In case the unit is malfunctioned or need to reset to factory default
setting, press POWER button about 10 seconds, then the unit will be reset.

[2] ~ [7] Radio Station Preset Buttons, Disc Play-mode Control

MODE	[2]	[3]	[4]	[5]	[6]	[7]
Radio	Press key for tuning pre-set channel. Press and hold key (for at least 2-3 seconds) to set key preset to station					
TV	Move to previous channel	Move to next channel	N.A.			
CD / CD Changer	Move to previous chapter or track	Move to next chapter or track	Play, Pause	Stop playing. Press and hold to select repeat mode (repeat one => repeat all => repeat Off)	Fast backward for Audio disc and slow backward for video title. (Speed min 2x to max 32x) Press and hold for intro track mode	Fast forward for Audio disc and slow forward for video title. (Speed min 2x to max 32x) Press and hold for random play mode
MP3 CD	Move to previous chapter or track	Move to next chapter or track	Play, Pause	Stop playing. Press and hold to Select repeat mode (folder => repeat one => repeat folder)	Fast backward for Audio disc and slow backward for video title. (Speed min 2x to max 32x) Press and hold for intro track mode	Fast forward for Audio disc and slow forward for video title. (Speed min 2x to max 32x) Each time press and hold to change folder => shuffle mode

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[2] ~ [7] Radio Station Preset Buttons, Disc Play-mode Control

MODE	[2]	[3]	[4]	[5]	[6]	[7]
DVD	Move to previous chapter or track	Move to next chapter or track	Play, Pause		Fast backward for Audio disc and slow backward for video title. (Speed min 2x to max 32x).Press and hold for intro track mode	Fast forward for Audio disc and slow forward for video title. (Speed min 2x to max 32x).Press and hold for random play mode

[8] MUTE Button
Mute On and OFF.

[9] MODE Button
Change playing mode in a sequence of Radio Tuner _ DVD _ TV Tuner
(Optional) _ CD
changer (Optional) _ AUX

[10] EJECT Button
Eject the disc. If the disc is not removed for within 10 seconds after ejected, the disc is reinserted automatically and will begin to play.

[11] PUSH SELECT / VOLUME Button
Rotate clockwise to increase volume and counter-clockwise to decrease.
Push the button to select Audio and Video setup mode (Bass _ Treble _ Balance _
Fader _ Brightness _ Contrast _ Color _ Sharpness) and rotate clockwise to
increase the level and counter-clockwise to decrease.

• Video relative menu can be set only when monitor is opened.
• When clock (optional feature) is available, push select button long to display clock.
• Time setting sequence is as follow

    a) Push SELECT long to display clock.
    b) Push and hold ENTER to enter the time setting
    c) Control joystick LEFT/RIGHT or rotate VOLUME to set hour.
    d) Press ENTER key to complete setting hour
    e) Control joystick LEFT/RIGHT or rotate VOLUME to set minute
    f) Push ENTER key to complete setting minute

[12] REMOTE SENSOR
IR Remote control signal receiving window.

[13] OPEN (CLOSE) Button
OPEN THE MONITOR
When power is off, press open button and the unit is turned on and the monitor opens automatically. If movement of the monitor is hindered by an obstacle, it returns to its original position automatically.

CLOSE THE MONITOR
If there is an obstacle hindering the closing movement of the monitor when power is on and the monitor is opened, the monitor will stop its movement. Press again for closing after removing the obstacle. The monitor should be in the center position when closing, otherwise it will not be closed.
You can select the option of monitor auto closing or manual-closing by pressing MENU _ SYSTEM _ TILT and joystick to select either AUTO or MANUAL... If AUTO is set and monitor is opened, the monitor is automatically closed when power is off. If MANUAL is set and the monitor is opened, the monitor will not close when power is shut off.

[14] PRESET SCAN (In Radio and TV Mode)
Press and hold to memorize received stations automatically.
Press button and the unit will tune to preset stations set for buttons 1 to 6 .

[15] LOC (Local / DX) Button
Change radio tuning from regional stations to national stations or from national
stations to regional stations The default is Local (regional).

[16] BAND Button
In Radio mode, Change radio band in the sequence of FM1/FM2/FM3/AM1/AM2.
In TV mode, Change band 1 /band 2. Each band shows 20 channel.

[17] 5 WAY JOYSTICK Controller (Up / Down / Left / Right / Enter)
In DVD Movie, Move JOYSTICK key to choose DVD Title Menu and press
ENTER to select chosen menu.

In Video KARAOKE,   Move JOYSTICK key to choose the song and press
ENTER to play.

In CD, Move JOYSTICK UP / DOWN key to select track, LEFT / RIGHT key
to show next frame (each frame shows 6 tracks), Press ENTER to play

In CD Changer, Move JOYSTICK LEFT / RIGHT key to change to previous
disc / next disc

In TV mode, Move JOYSTICK LEFT / RIGHT key to seek TV channel upward
or downward and press ENTER to save current channel manually.

In RADIO mode, Press and hold JOYSTICK key to set manual or frequency auto
seek. Move JOYSTICK LEFT / RIGHT key to seek radio frequency up or down
then press and hold ENTER key to select stereo or mono.

In MENU mode, Move JOYSTICK keys to choose intended menu item and press
ENTER key to select.

[18] ENTER Button
Same as ENTER key in [17] above.

[19] LUD (Loudness) Button
Activate and deactivate Loudness.

[20] Mini Color LCD Display

[21] DISC LOADING SLOT

[22] TILT Button
Adjust monitor tilt angle. You can set tilt adjustment angle from min 3 level to max 5 level. To setup tilt level, press MENU and select SYSTEM _ TILT RANGE using joystick and set 3 level, 4 level, AUTO (5 level).

[23] IN / OUT Button
Monitor moves forward or backward in 3 steps when the monitor is opened.

[24] OSD Button
Configures the general settings of the unit. Press MENU button and move JOYSTICK keys to
choose intended item and ENTER to select. Below are the details of each menu and item.

SOURCE MENU

FUNCTION	DESCRIPTION
TUNER	Change mode to Radio
DVD	Change mode to DVD (CD)
TV	Change mode to TV (optional feature)
CDC	Change mode to CD Changer (optional feature, when CD Changer is connected)
AUX	Change mode to AUX Input

AUDIO MENU

FUNCTION	DESCRIPTION
BASS	Support 15 levels. Default level is 0.
TREBLE	Support 15 levels. Default level is 0.
BALANCE	Support 7 levels for each left and right channel. Default is left equal to right.
FAD	Support 7 levels for each front and rear channel. Default is front equal to rear.
SUB Woofer	Sub-woofer on / off
START VOLUME	Use this menu to setup starting volume level. Supports 50 levels. Default level is 20. (For example: when the start volume is set to 20, the volume level is automatically set to 20 when the unit is powered on – regardless of what the volume was when the unit was turned off).

VIDEO MENU

FUNCTION	DESCRIPTION
BRIGHT	Adjusts level of screen brightness. Supports 40 levels. Default level is 20.
CONTRAS	Adjusts level of screen contrast. Supports 40 levels. Default level is 20
COLOR	Adjusts level of screen color. Supports 40 levels. Default level is 20.
SHARP	Adjusts level of screen sharpness. Supports 40 levels. Default level is 20.

SCREEN MENU

FUNCTION	DESCRIPTION
PICTURE	Invert the screen picture from normal to upside down
FULL	Change to full screen mode, You can move the screen by joystick key
NORMAL	Return to normal screen mode.

SYSTEM MENU

FUNCTION	DESCRIPTION
TILT	Set to auto or manual monitor close (please refer to 22. TILT for more detail)
IN/OUT FIX	Adjust monitor location of forward, backward position Level None: Can be moved from position 1 to position 3 Level 1: Fixed 1 position; Level 2: Fixed 2 position; Level 3: Fixed 3 position.
TILT RANGE	Monitor Angle adjust Auto: 5 steps can be changed, 3 Level : tilt moving step is 3 steps, 4 Level : tilt moving step is 4 level, 5 Level : tilt moving step is 5 level.
TV PICTURE	Choose TV video system. It supports NTSC/ PAL/ CHINESE This function is available when TV tuner is connected
TV SOUND	Choose TV sound system. It supports B/G, I, DK system. SOUND-1 for B/G, SOUND-2 for I, SOUND-3 for D/K.
BACK LIGHT	Set back-light brightness level

[25] MENU Button

RADIO DISPLAY

(1) Display current Band and current memorized station

(2) Contents of current Band
   • Current Tuning memory Position is highlighted with red color

(3) STATUS display
   • MEM : Display current memory.
     If there is no matching memory exists, display MEM 0
   • Play status display
         a. AUTO: auto seek mode
         b. MANUAL: manual seek mode
         c. P.SCAN: preset scanning mode
         d. A.SAVE : auto save mode.
   • Volume level display
   • ST (Stereo) / MONO display
   • LOC display (No display when DX)

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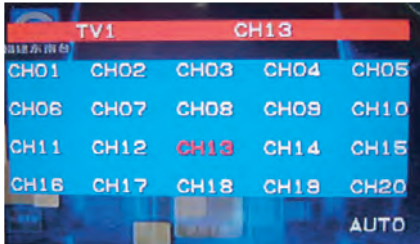
TV MODE DISPLAY

(1) TV mode display
(2) Current Band and current channel display
    When there is no matching channel, oscillator freq is displayed in PAL mode.
(3) Contents of current band
    • Current channel is red color

(4) TV function status display
    • AUTO: auto seek mode
    • MANUAL: manual seek mode.
    • P.SCAN: preset scanning mode
    • A.SAVE: auto save mode.

CD CHANGER MODE DISPLAY

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(1) Current disc number

(2) Current track number

(3) Current Playing status
- PLAY : playing disc
- PAUSE : pause playing
- STOP : stop playing
- F.FORWARD : current track fast forward
- F.BACKWARD : current track fast backward
- DISC CHANGE : change to next disc
- NORMAL : play all tracks in sequence
- REPEAT ONE : play current track repeatedly
- REPEAT DISC : play all tracks of current disc repeatedly
- INTRO : play each track for several secs.
- DISC INTRO : play the first track of each disc for several seconds
- RANDOM : play each track in irregular sequence
- DISC RANDOM : play each disc in irregular sequence
- No disc: displayed if there is no magazine inserted

(4) Total Disc Status
- Disc No. in white color means the disc is existed in this slot.
- Disc No. in black color means no disc exists
- Disc No. in red color means current disc

SYSTEM STATUS DISPLAY
(1) Loudness on/off display
(2) TV channel display
　　• Current channel number display
　　• TV function status display
(3) Monitor Error display
　　• When monitor is turned left or right, monitor close is impossible
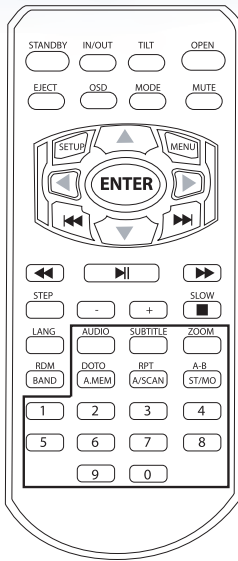

(4) Volume level display

(5) Mute indicator
(6) In the DVD, TV, AUX modes, no picture is showed on screen but the warning message on black screen as above picture
(7) Select menu display
(8) Clock time display (if clock feature is included)
(9) OSD main menu
(10) OSD sub menu

[26] SETUP Button
Enable DVD Title menu.
Please refer to further detail of OPERATION - DVD SETUP

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AUDIO
Change the language by L/R channel. (available only with dual language Movie Disc)

SUBTITLE
If the DVD or SVCD has more than one language caption, press this key to select the caption displaying option or to hide caption. The caption information corresponds to the disc currently being viewed.

ZOOM
While in normal operation, press [ZOOM] to enlarge or contract the screen display. Each press of the ZOOM function will in turn perform 2X, 3X, 4X, 1/2, 1/3 and 1/4 zoom or contract
Press this key again and the display will return to its normal screen state.

PROG (Program) and Numeric Key (0 ~ 9)
Available for DVD / VCD / CD discs, Press this button and enter a numeric value to go directly to a specific time or title, chapter for DVD movie - or enter a numeric value to go directly to a specific time or track for a VCD movie. Press again to exit the program mode.

A-B
In DVD / VCD / CD mode, press the [A-B] button once to input starting point A press again to input ending point B and then press START to play from point A to point B repeatedly. To cancel A-B play, press this button again.

NUMERIC KEY (0 ~ 9)
In DVD / VCD / CD mode, press to directly move to a particular track. For example, press 1, 2, to move to track 12. In MP3 CD mode, press to move to song number. In TV mode, press to change to a TV channel directly.

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DVD SETUP

General Setup

Use the [SETUP] option to set up system functions. Press [SETUP] to enter into the setup menu; press right & left keys to move curser and select "General setup", "Audio setup", "Video setup", "Initial setup page" or "Password setup" options. The setup page is shown in the following image:

Press [SETUP] to enter into the setup menu. The system then enters into the "General setup" page. In the "General setup" page you can set up the "TV type", "Angle mark", "Language displayed", "Hide caption", "Screen saving" and "Last memory setup" options.

TV Display

"TV type" option: press [_/_] to pick the "TV type". Press "PLAY" to access the setting selection state. Use [_/_] to select "Normal/Fullscreen", "Normal/Mailbox" or "Wide screen", then press "PLAY" to confirm the selection and press [_/_] to quit the "General setup" page.

Note: While playing wide screen images in the "Normal/mailbox" format, both the right and left edges will be cut off and the image will be expanded to fill the entire screen when used with a normal size TV set. When used in "Wide screen" mode, black bands will appear at the top and bottom of the screen. The "Wide-screen" mode is most suitable for true widescreen TV sets (sometimes called "letterbox" or 16:9).

Angle Mark
Use this option to turn on/off the angle mark. When playing multi-angle-screen discs, the angle mark will be displayed when this option is "ON" and hidden when it is "OFF".

OSD Language
Language displayed: option to select ENGLISH or Chinese for the On Screen Display (OSD).

Captions
For NTSC-mode TV's, this option can display or hide caption included on a disc with CLOSED CAPTION content. The TV set must be able to support this option; otherwise it will be unavailable.

Last memory
Use this option to memorize the last setting used for recording.
If selected "ON", the system will memorize the recording settings. When the system is turned back on it will used the memory settings for recording.
If selecting "OFF", system will use the default settings each time The unit is turned on.

Audio Setup
In the Audio Setup Menu option users can perform the actions shown in the following image:

Speaker Setup
In the "Audio Setup Menu", use the up and down keys to move the cursor selecting the "Speaker Setup" option. Press "PLAY" key to enter into the "Speaker Setup Menu" and then the user can make the following selections:

DOWNMIX Mode
In this menu the user can select the "LT/RT", "Stereo", "Simulated Circulation" and "Off" options. When selecting "LT/RT" you have selected the right & left audio channels (front) and Lo/Ro signal; "Stereo" means you have selected the right & left audio channels (front) speaker to simulate a stereo audio effect; and "Off" means the 5.1 channel output is selected (ie: no Downmix). After pressing "PLAY" to ensure the option selection, press the left key to back out of the "DOWNMIX" mode.

(Note) If the power amplifier is set for 2-channel signal input, it may select the LT/RT mode to properly play the 2 channel input.

The Front Speaker
Select "Large/Small" for the front speaker.

The Middle Speaker
Under the "DOWNMIX" mode off condition, the user can select "Large / Small / Off" for the middle speaker.

The Rear Speaker
Under the "DOWNMIX" mode off condition, the user can select "Large/ Small/ Off" for the rear speaker.
(Note) "Large" means full-frequency speaker; "Small" means medium-to-high-frequency speaker.

Bass Speaker
"ON/OFF" option for bass speaker. "OPEN" means the bass speaker is initiated.

Tone Test
When the 5.1 audio is active, select "Open" and a test tone will be passed to all 5.1 channels.

Conversation Volume
When selecting "LT/RT stereo" under DOWNMIX mode, user can select the "conversation volume" in the "Speaker setup" page and adjust the conversation volume.

(Note) While playing a 5.1 audio-channel disc, user can adjust the speaker volume through the "Conversation volume" option.

Output Dynamic Compression
Output dynamic compression lowers the highest volume peaks and raises the lowest volume peaks so that the overall volume is louder without exceeding the speaker power limitations. The option can be selected as "ON", "OFF" and "AUTO".

SPDIF Setup
On "SPDIF" page menu, the available options include "SPDIF output", "CD", "Dolby code", "DTS", "MPEG", "PCM" and "LPCM" channels.
(Note) "SPDIF" means optical output.

SPDIF Output
At the "SPDIF output" option, users can select "SPDIF off", "SPDIF source code" and "SPDIF/PCM" manually.

CD
If selecting manual mode for the "SPDF output" item, users can select "SPDIF off", "SPDIF source code" and "SPDIF/PCM" manually.

Dolby Code
If selecting manual mode for the "SPDIF output" item, users can select "SPDIF off", "SPDIF source code" or "SPDIF/PCM" under the "Dolby code" option.

DTS
If selecting manual mode for the "SPDIF output" item, users can select "SPDIF off", "SPDIF source code" or "SPDIF/PCM" under the "DTS" option.

MPEG
If selecting manual mode for the "SPDIF output" item, users can select "SPDIF off", "SPDIF source code" or "SPDIF/PCM" under the "VCD" option.

(Note) "SPDIF off" means the encoded signal
inputted to power amplifier is off. "SPDIF source code" means signal inputted to the power amplifier hasn't been decoded. "SPDIF/PCM" means to input the PCM

channel signal (decoded) to the power amplifier and the simulated output signal remains constant.

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PCM Channel

Select "PCM channel" option in "SPDIF" menu page and select "SPDIF R/L", "SPDIF LS/RS" or "SPDIF C/LFE" options. The "SPDIF R/L" means to select right or left stereo channel; the "SPDIF LS/RS" means to select right or left circulation channel; and the "SPDIF C/LFE" means to select the medium and heavy bass channel.

Dolby Digital Setup

Press "PLAY" at "Dolby code setup" option to enter into the menu; user can then set up the "R+L dynamic range compression".

R+L

In the "R+L" selection users can select the "Stereo", "R-sound", "L-sound" or "Mix" option. In which "Stereo" means the output is a stereo signal; the "R-sound" means the output is right audio signal; the "Left-sound" means the output is left audio signal; and the "Mix" option means that system outputs the mean signal of the Left and Right channels added together..

Dynamic Range Compression

In the "Dolby code setup" option page, select the "Dynamic range compression" and press "PLAY" to make selections. Use up/down keys to select the compression rate of the dynamic range. The higher compression range will make the difference between the treble and bass less distinct.

Channel Delay Setup

In the "Delay" setup menu page users can set up the relative signal delay to each of the speakers

Channel Trim

In the "Tone setup" menu page users can use up/down keys to move the curser and select the "Balancer setup" option. After pressing "PLAY" users can then enter the "Balancer setup" page to set up the "Balancer type".

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Equalizer

To get a more pleasing sound, users can adjust the equalizer to follow his/her music style preferences. Users can select rock-and-roll, fashion, field, dance-music, electronic, classic and light-music options.

3D Processing

In the "Tone setup" menu page users can use up/down keys to move cursor and select the "3D processing setup" option to set up "PRO LOGIC" or "MIX".

PRO LOGIC II

At the "PRO LOGIC II" option page press "PLAY" to enter into the setting mode. While using up/down keys to operate "ON" and "Auto ON/OFF". When AUTO ON/OFF is selected two audio channels will be processed to simulate five channels and can be played by multi-channel speakers. If "OFF" the processing is not active.

Mode : the music mode means that all sounds coming from different speakers will arrive without any delay. The video mode means that under circulated channel it will delay for 10ms. The PRO LOGIC mode will simulate PRO LOGIC I processing.

Full screen mode: makes the front stereo sound extend to both sides in order to create better surround effect.

Dimension control: acts similar to the balancing control between the front and rear sounds that can gradually move the front, back and side sound fields. There are seven levels in total that can be adjusted.

Central width: adjusts the center audio channel signal and divides it to both right and left channels.

Mix mode
To experience better field echo effects, users can select various environments. The options include "Off", "Concert", "Hall", "Bathroom", "Cave", ""Arena" and "Church".
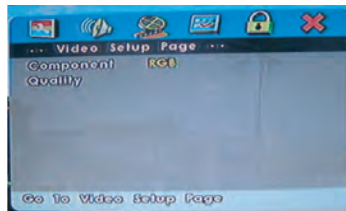
HDCD
In the "Tone setup" page user can use up/down keys to move the curser and select the "HDCD" option to enter into the "HDCD setup" page and set up the High Definition CD options. "OFF" means to use standard CD format.

Video Setup
In the "Video setup" page users can set up the distributed video, TV node and video quality, as shown in the image below:

Component
"OFF" means system is now outputting compound video, YUV means YUV signal output and RGB means RGB signal output.

Quality (Video Quality Setup)
On this option page users can set up the "Sharpness", "Brightness", "Contrast", "GAMMA correction", "Hue", "Saturation" and "Luma Delay" options.

Sharpness
Select "High", "Medium" or "Low" screen sharpness. If users want to make the display softer, users should select "LOW"; and when the display is too dark the "High" option should be selected.

Brightness
Users can set up the screen brightness from the background brightness status.

Contrast
Users can set up the screen contrast from background brightness status.
While adjusting the brightness or contrast, press the right key to enter into the setup mode; then, use up/down keys to make selections and left key to return back to the setup mode.

GAMMA Correction
The GAMMA correction curve can be adjusted to high, medium and low. "OFF" means no GAMMA correction is to be performed.

Hue
Users can set up the screen color saturation from background brightness status.

Saturation
Users can set up the screen color saturation from background brightness status.

Luma Delay
In the "Luma Delay" option users can set up "0T" or "1T" toward bright delay. Users can perform "0T" or "1T" setup according to the TV brightness and color. In normal situations it should set to "1T" for DVD formats and "0T" for other formats.

Preference Setup
Users can perform initial setup when turning on the unit or changing a disc. In the "Initial setup" page users can set up "TV type", "PBC", "Audio", "Caption", "Disc menu language", "Country/Region" and "Default value", etc., as displayed in the image below:
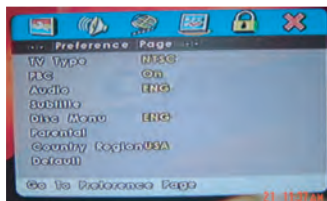
TV type
In "TV type" option users can select "PAL", "Multi (Auto)" or "NTSC" video systems.

PBC
Select "on", "off".

Audio
Depending on the languages supported by the disc, users can select various program languages such as English, French, Spanish, Chinese and Japanese, etc.

Subtitle
Depending on the subtitles supported by the disc, users can select captions displayed in various languages such as English, French, Spanish, Chinese and Japanese, etc.

Disc Menu (Language)
Before playing the disc, user can select the menu language displayed such as English, French, Spanish, Chinese and Japanese, etc.

Parental
While the "Password setup" option is off, users can set up the controlled ratings in the "Age control" option. The ratings under control include those use in U.S. films or their equivalent.

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Country Region
Indicates the region code where the disc can be played. Region codes of each country are shown below:
Region 1 : USA, Canada, East Oceania
Region 2 : Japan, West Europe, Middle East
Region 3 : Taiwan, South Korea, Southeast Asia
Region 4 : Mid and South America, Australia,
         New Zealand, South Oceania
Region 5 : Russia, India, Middle Asia, Africa
East Europe

Region 6 : China (Mainland)

Default
System will load factory default settings.

Password Setup

Users can set up passwords in the "Password setup" page as shown below:

Master Password : this is default password (code is 136900)
User Password : User can change password code

MISCELLANEOUS

JEPG Format Disc
PLAY : press this key to enter into auto-picture-displaying mode.

MENU : while playing a JPEG disc, press this key to enter into the index-browsing mode. Use the up/down/right/left keys to move curser to the desired option and press "PLAY" to confirm the selection.

PROGRAM : while playing a JPEG Disc, use this option to change the picture-converting method.

NEXT CHAPTER : press this key to play the next picture.

PREV CHAPTER : press this key to play the previous picture.

STOP : press this key to enter into the transparency-browsing mode.

PAUSE : press this key to pause auto-play mode; and press "PLAY" to resume it.

FAST FORWARD : while playing a JPEG format disc, press this key to turn the picture clockwise 90 degrees.

FAST BACKWARD : while playing a JPEG format disc, press this key to turn the picture counterclockwise 90 degrees.

MP3 / WMA™ Disc
While playing MP3 or WMA™ discs, user can press PROGRAM key to select the following two playing modes:

Folder Browsing Mode
In this mode, the index is shown on the left side of menu and blank on the right side.

Press up & down keys to select the play index
and press "PLAY" or right/left key to enter into the menu as shown:

To play songs, press "PLAY" Now the curser is located on <UP DIR>. Press the right key to enter into the song menu; use up/down keys to select the song to be played. This process is suitable for playing a list of songs. After all songs contained in the list are played, the system will stop playing automatically. The onscreen display is shown:

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Playlist Mode

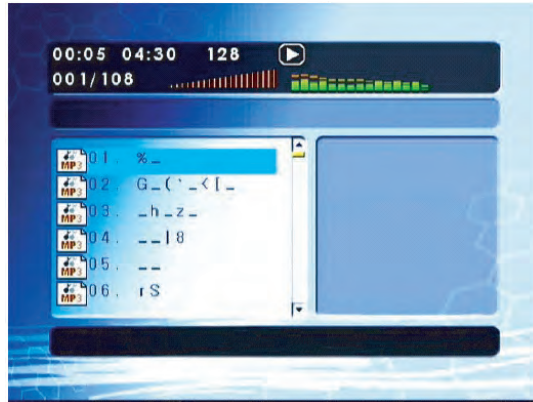In this mode, the song list is shown on the left side of menu. Use up/down keys to select the song to be played. After pressing "PLAY" the selected songs then will be displayed on the right side. Move the curser to the targeted song, press "PLAY" again and the system will play the songs in the list sequentially. This mode is convenient for users to edit the song-playing order as shown in the image on right.

TROUBLESHOOTING

	Symptom	Cause	Remedy
General	Power does not turn on.(No sound is produced.)	Fuse is blown	Replace with fuse of the same amperage. If the fuse blows again, consult an authorized reseller or dealer.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antennal lead is shorted to ground or excessive current is required for remote on the amplifiers or power antenna.	1. Turn off the unit. 2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. 1. Turn on the unit. 2. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external replay to provide remote-on voltage(excessive current required).
	Nothing happens when buttons are pressed. Display is not Accurate	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, Then press the open button and remove the DCP. Press the reset button for about 2 seconds.
		Panel or main unit Connectors are dirty	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
CD	Sound is bad directly after power is turned on.	Compact disc is dirty	Carefully clean the CD with a soft cloth
		Compact disc is heavily scratched or warped	Try another CD without scratches
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place	Let it dry for about 1 hour with the power on.

SPECIFICATIONS

GENERAL

Operation Voltage	DC 12V
Operation Voltage Range	10-16.0V DC
Maximum Operation Current	10A
Grounding System	Car Battery Negative Pole
Installation Dimension (WxHxD):	178mm x50mm x(165+25)mm
Installation Angle:	Vertically 0° ~+ 30°
	Horizontally ± 15°
Net Weight:	2.5Kg

FM RECEIVER

Signal Noise Ratio:	60dB
Usable Sensitivity (S/N 30 dB)	10dB
Frequency Response (± 3dB):	40Hz ~ 12.5KHz
Station Seeking Level:	20~30 dBμV
Distortion:	0.5%
Stereo Separation (1KHz):	30dB
Antenna Impedance:	7.5

AM RECEIVER

Usable Sensitivity ((S/N 20dB)	30dB
Distortion	10dB

DVD PLAYER

Signal / Noise Ratio	90dB
Dynamic Range:	90dB
Distortion (line out):	0.1%
Frequency Range (± 3dB):	20Hz~20KHz
Maximum Output Power:	45W x 4
Loaded Impedance:	4
Region Code:	Free

DVD CHARGER INTERFACE

Frequency Response (4.0 ~ +1.0dB):	20Hz ~ 20KHz

AUX IN

Distortion:	0.5%
Frequency Response (± 3dB):	20Hz~20KHz
Audio Input Level:	1 Vrms

AUDIO

Audio Output Impedance:	600
Audio Output Level:	≥2.5 Vrms
(Under normal audio input level at maximum output volume)	

VIDEO

Normal Video Input Level:	0±0.2V (CVBS), 700Mv
Video Input Impedance:	75
Video Output Impedance:	75
(under normal video input level)	

TFT MONITOR

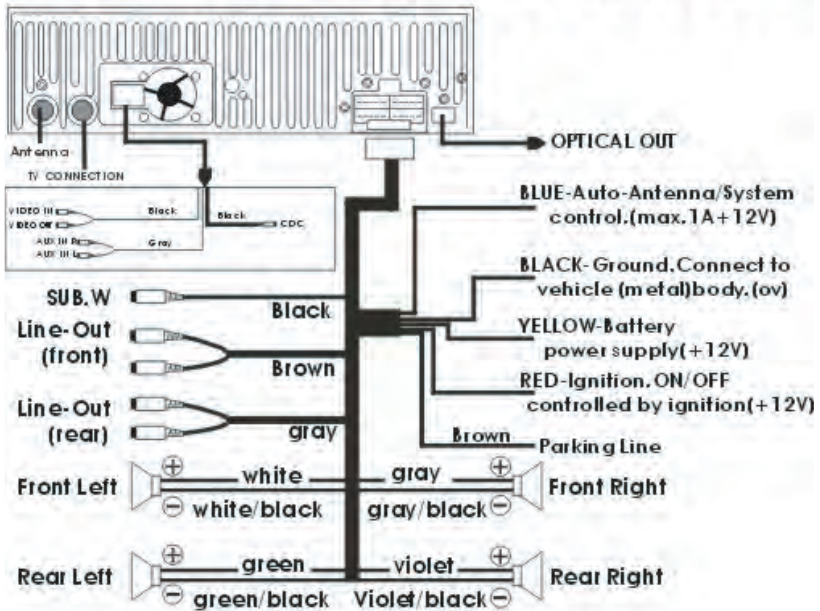|	
Screen Diagonal:	7 inch
Usable Display Area:	154.1(W) x 87 (H)
Resolution:	1440(W) x 234(H)
Brightness:	400cd/m
(measure the center brightness after 30 mins)	
Contrast:	60 (minimum)
Response Time:	Rise: 30ms,
	Decline: 50ms
Viewing Angle:	From Top: 65°
	From Bottom: 40°
LCD Life Cycle:	10,000 hrs (at 25°C)

ENVIRONMENT

Operation Temperature:	20°C ~ +60°C
Storing Temperature:	30°C ~ +80°C
Operating Humidity:	45% ~ 80%
Storing Humidity:	30% ~ 90%

WIRING DIAGRAM

INDASH DVD/ HEAD UNIT

Antenna
TV CONNECTION

VIDEO IN — Black — Black — CDC
V IDEO OF
AUX IN R — Gray
AUX IN L

SUB.W — Black
Line-Out (front) — Brown
Line-Out (rear) — gray

OPTICAL OUT

BLUE-Auto-Antenna/System control.(max.1A+12V)

BLACK-Ground.Connect to vehicle (metal)body.(ov)

YELLOW-Battery power supply(+12V)

RED-Ignition.ON/OFF controlled by ignition(+12V)

Brown — Parking Line

Front Left ⊕ white — gray ⊕ Front Right
⊖ white/black — gray/black ⊖

Rear Left ⊕ green — violet ⊕ Rear Right
⊖ green/black — Violet/black ⊖

DC 12V NEGATIVE GROUND DEVICE. MADE IN CHINA

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