

Flip Down DVD Player

USB/SD/HDMI



USER'S MANUAL

WARNING! HAZARD!

DO NOT OPERATE THIS UNIT UNLESS VEHICLE IS PARKED IN SAFE AND LEGAL AREA.

Thank you for purchasing the TFT LCD color monitor/DVD/TV. To enjoy the features of this device and to ensure years of trouble-free operation, please read this manual carefully and follow the instructions.

TABLE OF CONTENTS

GENERAL INFORMATION	2-4
REMOTE CONTROL	5 & 6
OPERATION BUTTONS	7
WIRING INSTALLATION	8
MULTIDISC PLAYER OPERATION	9 -14
OSD MENU SETUP	14
MULTIDISC PLAYER SETUP	15-16
INSTALLATION	17
TECHNICAL SPECIFICATIONS	18
TROUBLE SHOOTING	19

Please read the manual carefully before using and keep it for your future reference.

Note:

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

High voltage inside! Do not open or dismantle the unit. Do not repair yourself. Refer servicing to qualified personnel.

The product is a laser product. Make sure you read instruction manual before operating.

Do not try to open the covers to avoid direct laser radiation.

When the cover of the unit is opened or the interlocking system gets unlocked, the laser light can be visible. Direct vision of laser beam is hazardous to your eyes.

Note:

LCD may have a few color dots, which is common for the matrix display technology, and doesn't indicate defects or faults.

Features:

1. The display unit has a built in DVD player.
2. Built in USB 2.0 host and SD card reader.
3. Built in wireless FM Audio transmitter.
4. Built in IR Audio transmitter.
5. AV input channel

Discs for playback

Type	Content	Size
DVD	Video & Audio (dynamic image)	12cm / 8cm
VCD	Video & Audio (dynamic image)	12cm / 8cm
CD	Audio	12cm / 8cm
MP3	Audio	12cm / 8cm
MP4	Video & Audio (dynamic image)	12cm / 8cm

Disc-related terms

- **Title (DVD only)**

The main film content or accompanying feature content or additional feature content, or music album. Each title is assigned a title reference number enabling you to locate it easily.

- **Chapter (DVD only)**

Sections of a picture or a musical piece that are smaller than titles.

A title is composed of one or several chapters. Each chapter is assigned a chapter number, enable you to locate the chapter you want. Depending on the disc, no chapters may be recorded.

- **Track (Video CD and audio CD only)**

Sections of a picture or a musical piece on a video CD or an audio CD.

Each track is assigned a track number, enabling you to locate the track you want.

Diagram of DVD disc

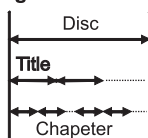
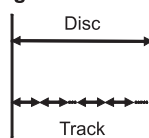


Diagram of VCD/CD



Placement

The storage temperature ranges from -30°C to -75°C , operating temperature ranges from -10°C to 55°C .

Please keep the pick-up clean and away from dust. If so, the cleaning disc can help deal with this problem. For detailed operation instructions for cleaning the pick-up, you can consult the user's manual of pick-up cleaning disc.

Do not expose this unit to rain or moisture. Avoid dropping or impact to the unit.

Note

Handling discs:

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.

Do not stick paper or tape on the disc.

Storing discs:

After playing, store the disc in its case.

Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.

Cleaning discs:

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center out. Do not use strong solvents such as alcohol, benzine, thinner.



Brief Instructions

Checking the accessories

remote controller	1
user's manual	1
rubber pillow	6
game joystick	1

Instructions for remote control

- Direct the remote controller to the infrared receiver window of the machine within 3 meters, without any barriers between them.

- The typical life-span of the batteries is about one year.

Always replace your old batteries with new ones.

- Please take out the battery when not using the remote controller for a long time.

- Please pull out the separation film before using the game remote controller.

Warning:

Store the battery where children cannot reach. Do not recharge, short, disassemble, or heat the battery. Do not expose the battery to fire.

DVD:



GAME JOYSTICK:



1. RETURN button
2. ARROW button
3. SELECT button
4. START button
5. GAME FUNCTION button (ABCD)

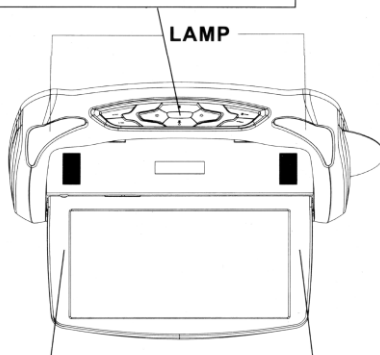
REMOTE CONTROL FUNCTION (DVD)

1. **POWER** button: Press the **POWER** key to turn the power ON/OFF.
2. **TFT MENU** button: Press **TFT MENU** that will display the select subtitle: **PICTURE-OSD-FUNCTION-CHANNEL**
3. **DISPLAY** button: show information about DVD/SD/USB/TV.
4. **LEFTWARD** button: Press it to leftward select the menu or program.
5. **REPEAT** button: In the playing mode, press it to perform the repeated playing.
6. **SETUP** button
7. **ANGLE** button: multi-angle select.
8. **21. FAST BACKWARD/FAST FORWARD** button.
9. **PLAY** button: Press once, it plays or pauses.
10. **19. PREVIOUS/NEXT** button.
11. **STOP** button: Press **STOP** to stop playing.
12. **NUMBER** button: In the DVD/SD/USB mode by pressing these buttons you can directly select the program. In TV mode, you can directly select the TV channel.
13. **AV/DVD/TV** button: Select among these modes.
14. **SUBTITLE** button: multi-subtitle select.
15. **AUDIO** button: Multi-language select.
16. **SLOW** button.
17. **Zoom** button: In the DVD/SD/USB mode, press it the picture can be zoomed.
18. **20. VOLUME** button: Press it to rightward select the menu or program.
22. **USB/SD** button: Press it to enter USB or SD card mode.
23. **DOWNWARD** button: In DVD/SD/USB mode, press it to select down the menu or program. In TV mode, press it to select down the channel.
24. **RIGHTWARD** button: Press it to rightward select the menu or program.
25. **ENTER** button.
26. **PROGRAM** button.
27. **UPWARD** button: In DVD/SD/USB mode, press it to select the menu or program. In TV mode, press to search upwards the TV channel.
28. **MUTE** button: Press the key to turn on and off the volume output.
29. **TITLE** button.
30. **PBC MENU** button.

Product Controls and Functions

Remote Control Eye.

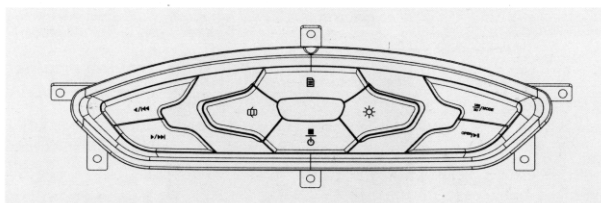
This allows transmitting of the remote control's IR signals for controlling all functions of your monitor.



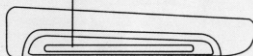
Wireless Infrared (IR) Transmitter.

IR audio signals are transmitted wirelessly to optional IR headphones

Product Controls and Functions

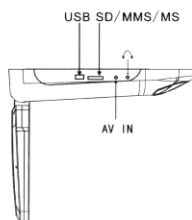


Disc loading slot



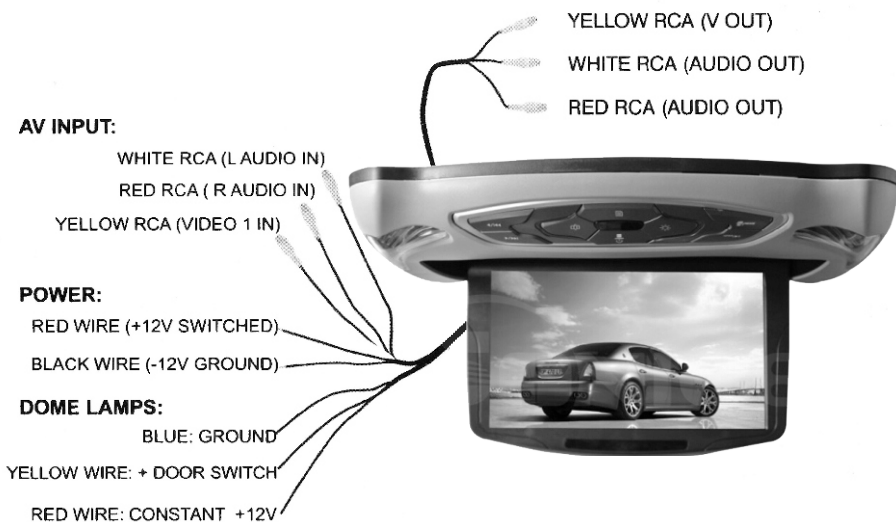
*Caution

Do not bring magnetic items such as credit cards or other cards with magnetic strips near the monitor as this may cause damage to the unit and/or magnetic item.



Roofmounting monitor with multi-media player

Wiring Diagram



☼ key: LIGHT SWITCH / TIME ADJUSTMENT

A. Light switch

During initialization mode; Press ☼ shortly to switch on/off light.

B. Time adjustment (optional)

During any mode, Press ☼:3 seconds to enter time adjustment mode.

The HOUR is twinkling, Press ☼ shortly to adjust the correct number

Press ☼:3 seconds to finish hour adjustment and adjust MINUTE

The MINUTE is twinkling, Press ☼ shortly to adjust the correct number

Press ☼:3 seconds again to finish time adjustment.

Note: This machine is suitable to some types of cars, not all types

Basic Operation

Make sure that you have correctly connected your unit as described earlier in this book.

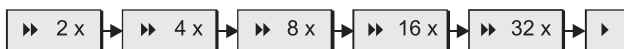
Turn on the power, and place the disc in.

- 1 press power button to turn ON (Power Indicator is OFF), display is ON and player will start loading the disc.
- 2 While playing DVD discs, please select one item in DVD menu or title menu. while playing VCD2.0 or CD, this player plays one by one.
- 3 Press Direction Buttons or the Number Buttons to select the desired item, then press Enter or Play to start.
- 4 The player will play automatically. Press Pause to stop temporarily, press again Pause or Play to cancel pause. while playing DVD disc, press stop for memory stop, press Play for memory play, press Stop twice to stop playing.

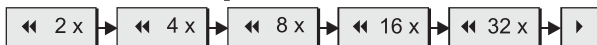
Note: To stop playing DVD, press Stop twice

Fast Forward/Fast Backward

While DVD disc is playing, Press Fast Forward to play at 2X, 4X, 8X, 16X, 32X speed circularly, screen shows as following:



Press Fast Backward to play at 2X, 4X, 8X, 16X, 32X speed circularly, screen shows as following:



Press Play to shift to normal playing mode.

Slow

While DVD disc is playing, press Slow button, picture shows at 1/2, 1/4, 1/8, 1/16 speed circularly, the screen shows as following:



While VCD disc is playing, press Slow button, picture shows at 1/2, 1/4, 1/8, 1/16 speed circularly, the screen shows as following:



Note: Press Play to shift to normal playing mode.

Previous/Next

To select previous item or chapter by pressing Previous button, to select next item or chapter, press Next button.

Note:

When a title on a disc has more than one chapter or a disc has more than one track, using chapter function can move to another desired chapter/track to play. If there is no Chapter/track on the disc, the above functions will be disabled automatically.

Functions Explanation

Menu/PBC

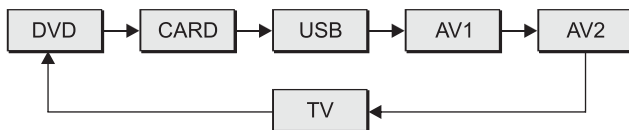
- (1) Press Menu/PBC to return to the main menu or the Title menu while playing DVD disc.
- (2) While playing VCD disc, Press Menu/PBC to turn PBC on or off. (Unfunctional in DVD disc playing)
- (3) Only return to the main menu to select one song in PBC-on mode.
- (4) Pressing Number buttons to select one song in PBC-off mode.

Title/Return

- (1) While playing DVD disc, press Title to enter into title menu directly, select the desired item by pressing the Direction buttons or Number buttons.
- (2) While playing VCD2.0, press Title to return to previous menu; however this function is disabled in PBC-off mode (Only for functional disc).

MODE

Press MODE key to switch media source.

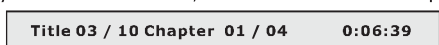


Display

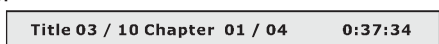
User can check the elapsed time or remaining time of current title and chapter by pressing Display, Press Display continuously, the screen shows as below:

- (1) Playing DVD disc

Press Display for the first time, screen shows the elapsed time of current title.



Press Display for the second time, screen shows the remaining time of current title.



Press Display for the third time, screen shows the elapsed time of current chapter.

Title 03 / 10 Chapter 01 / 04 0:07:16

Press Display for the fourth time, screen shows the remaining time of current chapter.

Title 03 / 10 Chapter 01 / 04 0:03:26

Press Display for the fifth time to exit.

(2) Playing VCD discIn PBC ON mode

Press Display for the first time, screen shows the elapsed time.

Title 00/10 Chapter 00 / 04

Press Display for the second time, screen shows the remaining time.

Title 03/10 Chapter 44 / 04

Press Display for the third time to exit.

(3) Playing VCD discIn PBC Off mode

Press Display for the first time, screen shows the elapsed time of the current item.

Track 01/01 00 :04

Press Display for the second time, the screen shows the remaining time of the current item.

Track 01/01 45 :04

Press Display for the third time, the screen shows the elapsed time of the entire disc.

Track 01/01 00 :24

Press Display for the fourth time, the screen shows the remaining time of the entire disc.

Track 01/01 45 :24

Press Display for the fifth time to exit.

Search

Press Search, input a title, a chapter or a time, the player starts playing from the desired point to the end point.

Playing DVD disc:

(1) Search a title or a chapter

Press Search, screen shows as below:

Title 00/10 Chapter 00/04

Press Left or Right to select one title

For example: press Number button 3 to select title 3, select Chapter 1 by pressing Direction Buttons, the screen shows:

Title 03/10 Chapter 01/04

(2) Search by time

Press Search, screen shows:

Title 03/ 01 time : :

Title 04/ 01 time : :

For example: Press Number button to input 0, 1, 0, 6, 1, 8, the player will play from the point at 01:06:18

Title 08/ 10 time 01:06:18

(3) Playing VCD disc

Press Search to check the elapsed time for the entire disc, the item and the current item during VCD disc playing.

Press Number button to input a time , the player will play from the point you've selected.

Subtitle

While playing DVD disc with multi-subtitles, choose the desired subtitle, it shows on the screen.

⊙ Will show on the screen when this feature is not available on the disc.

Note: This feature setting is valid only for the current disc. the subtitle language can be changed from DVD setting menu.

Audio

There is multi-language feature while DVD disc is playing.

When playing discs with this function, you can select the desired voice by pressing Audio.

The left audio, right audio and the stereo shows on the screen while playing VCD disc. You can select the desired one when playing story disc with dual languages.

Note: This feature setting is valid only for the current disc which has multi-language settings.

ANGLE

If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback. Press ANGLE repeatedly during playback to select a desired angle.(Only for the functional disc)

⊙ will show on the screen when this function is not available on the disc.

Zoom

In this mode, the dynamic or still picture can be zoomed in at most by 4 folds. Press Zoom for three times, the picture is zoomed in by 2X, 3X, 4X folds per order. And press Zoom again to return to the normal playing mode.

Repeat

(1) While playing DVD disc, press Repeat for the first time to repeat playing one chapter, press Repeat for the second time to repeat playing one title, press Repeat for the third time to repeat playing the entire disc, and press Repeat to cancel.

(2) In PBC off mode:

While playing VCD disc, press Repeat for first time to repeat one song.

Press Repeat for the second time to repeat the entire disc.

Press Repeat for the third time to cancel.

Direction Buttons

Press Direction Buttons to make free selection in title, content and setup menu easily.

Note: Direction buttons on the player can perform Fast Forward/Fast Backward, Previous/Next functions.

Program

Press Program to enter into program menu, input the number of the title, the chapter or a song.

Press direction button to select the track you want to start playing.

To cancel program function, press Program to enter into program menu and select Stop.

Mute

Press Mute one or more to select mute on or mute off.

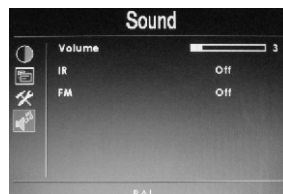
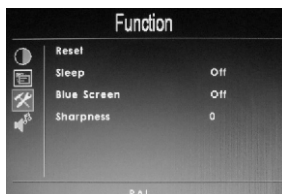
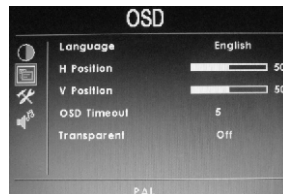
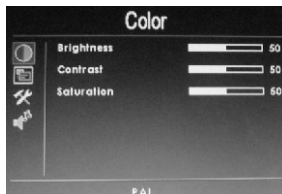
OSD Menu Setup

Press MENU or TFT MENU button to enter setup page;

Move UP/DOWN to select the desired item;

Move LEFT/RIGHT to adjust the desired item.

Press MENU or TFT MENU and you will be able to change the factory setting for COLOR---OSD---FUNCTION---SOUND levels.



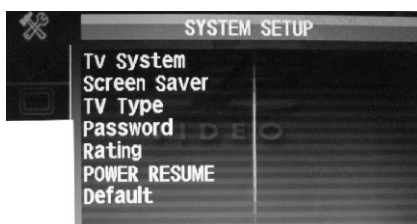
DVD Setup

Press SETUP button to enter setup page;

Move UP/DOWN to select the desired item;

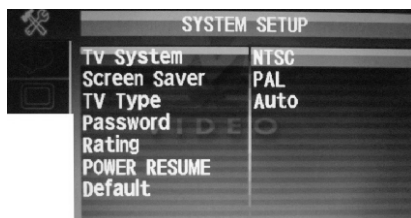
Move LEFT/RIGHT to adjust the desired item.

Press ENTER to confirm, to exit setup by pressing SETUP button again.



System Setup page

(1)TV System

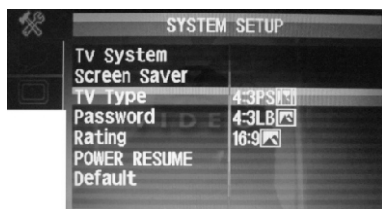


(2)Screen Saver

Screen saver is to protect the screen from aging and extending its life-span.

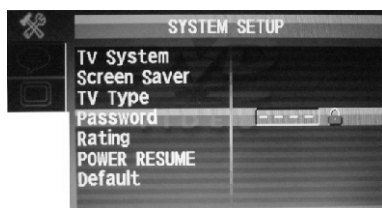
Screen saver will be enabled while playing stops or the picture keeps unmoving for minutes.

(3)TV Type



(4)Password

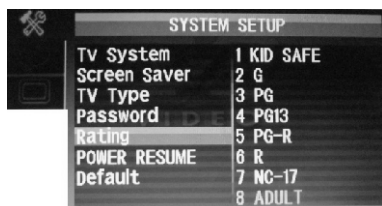
The original password is 8888; please select Password to input yours.



Note: This function can only be performed when the DVD is stopped.

(5)Rating

Movies on DVDs may contain scenes not suitable for children. Therefore, discs may contain Parental Control information that applies to the complete disc or to certain scenes on the disc. These scenes are rated different levels; more suitable scenes are available for selection on some discs. Ratings are country-dependent. The Parental Control feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.



(6)Power Resume

Disc will be played from the latest stop position in Memory-play-on mode.

(7)Default

Select default to restore original factory settings.

Language Setup page

(1) OSD Language

Audio will be in English, French, Spanish, Chinese, Japanese, Korean, Russian and so on. And users can select any language from OSD Language menu.



(2) Audio Language

Audio will be in English, French, Spanish, Chinese, Japanese, Korean, Russian and so on depending on the discs.

(3) Subtitle Language

Subtitle will be in English, French, Spanish, Chinese, Japanese, Korean, Russian and so on depending on the discs. User can either hide the subtitle or choose any subtitle language while playing the DVD discs.



(4) Menu Language

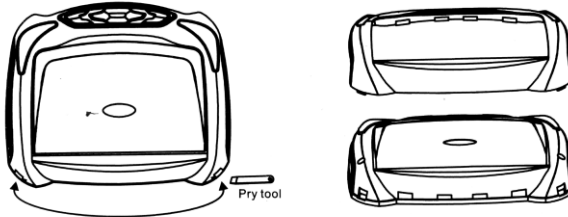
Disc has different languages such as English, French, Spanish, Chinese, Japanese, Korean, Russian and so on. These languages can be played by this unit. And users can select any language from disc menu.

Note: This function is valid to the discs which have multiple languages.

Interchangeable housing change diagram

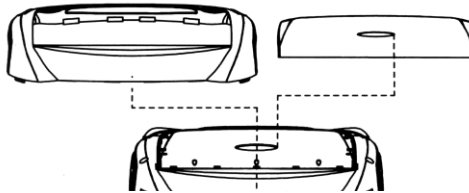
Removing Shroud/Screen from the housing

Work on a soft surface to avoid damaging the plastic. Insert the supplied pry tool between the Housing and Shroud/Screen back, then press the pry tool to release the Shroud/Screen back.

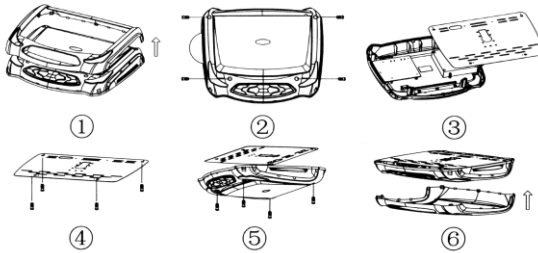


Hole for assemble Shroud/Screen back

Begin by hooking the area and press the Shroud/Screenback over the pod. The Shroud/Screen back will snap in place.



Installation



1. Place the unit flat on the table ;Disassemble the plastic roof cover from the machine.
2. Disassemble the metal support bracket from the unit as showed in the second illustration by loosening the screws on the bottom of the unit's body.
3. Turn over the machine, and take down the metal support bracket carefully.
4. Tighten the metal support bracket to the ceiling of vehicle as showed in the 4th illustration. Leave some space to let the connecting wire pass through.
(Take extra care to make sure you don't damage it)
5. Install the unit to the metal support bracket, connecting with the unit and the wires passing through the remaining space. (Avoid pressing the DVD chipset and install special screws to ensure the tightness.)
6. Snap the Plastic roof cover into place.

CAUTION: Electronic board installed inside products is composed of mechanisms and electronic subassemblies. Avoid applying unnecessary pressure when mounting the unit.

Technical Specifications

Panel Backlight	LED
Display Mode	16:9
Pixel	1024*RGB*600
Temperature	Operation temperature-10°C-55°C; Storage temperature-30 °C-75°C
Brlghtness	300cd/m2
Color System	PAL/NTSC/Automatically
Midea types	CD-DA, VCD, SVCD, DVD-VIDEO, MP3, WMA, JPEG, MPEG1/2/4, Div
Discs	DVD, DVD-R, DVD-RW, CD, CD-R, CD-RW, DVCD
Memory cards	SD
USB	USB2.0
Audil S/N 8	≥ 0 dB
Isolation	≥65dB
Audio Input/Output	1.6V±20%
Video Input/Output	1Vp_p±20%/750hm
Power supply	DC12V
Power consumption	≤12W
FM Frequency	87.7-107.9MHz
IR Frequency	A2.3-2.8MHz;B3.2-3.8MHz (Optioal)

Trouble shooting

No Sound or bad sound effect

Please check if cables are connected properly

Please check audio shift setup.

Please adjust the receiving frequency to harmonized with the transmitting frequency.

No Picture

Check if cables are connected properly.

Video Input is not yet set up correctly.

The monitor is on or off.

Poor picture

The color is not properly adjusted; please operate the remote controller to adjust it

The disc is scratched or spotted.

The player does not work, or no disc

- Please check if DVD has not been placed backwards
- Check if disc is dirty or scratched.
- Make sure if there is no moisture inside the unit (disconnect the unit for one hour)
- Disconnect the power cord and reconnect to reset the unit form any wrong setting.

The remote control does not work properly

There is an obstacle in the path of the remote control and this unit.

Remove the obstacle. Check if remote control point to receiver or not.

The batteries in the remote control are exhausted. Replace the batteries with new ones.

Note:Please contact with the dealer or approved service center help if the troubles can't be solved by the methods offered.

