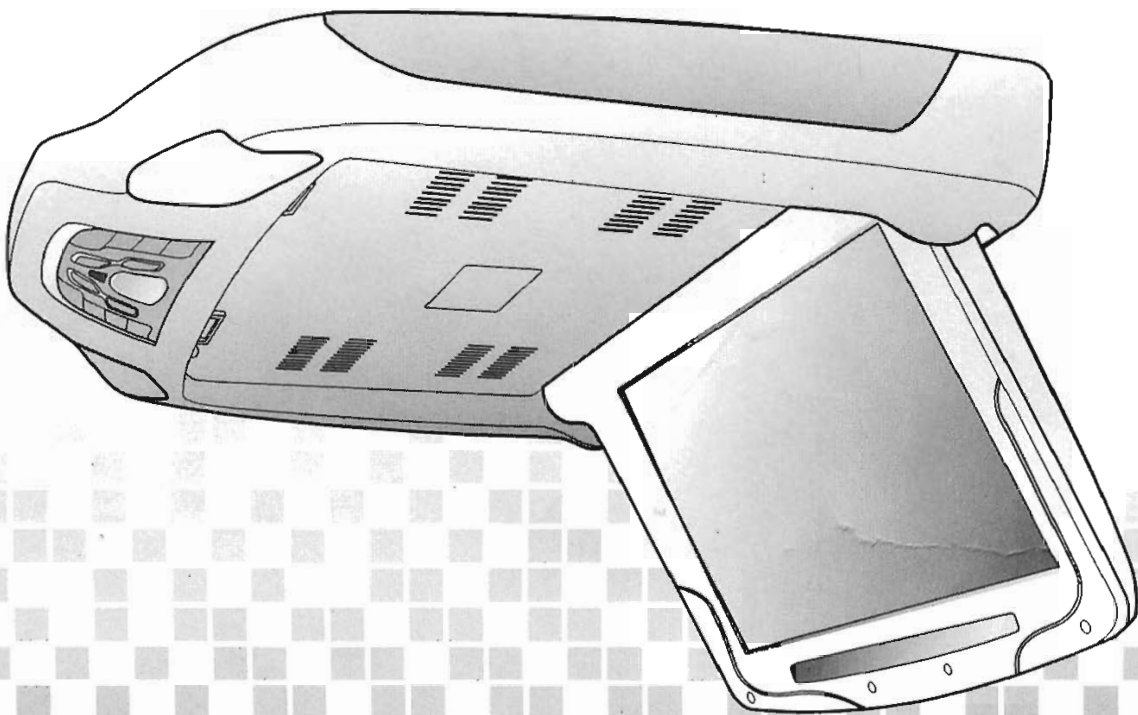


# OWNER'S MANUAL

## 9.5" TFT-LCD WIDE SCREEN CEILING MONITOR



### CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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# Caution

Please read and observe all warnings and instructions in this owner's manual and those marked on the unit. Retain this booklet for future reference.

There are two kinds of alarm symbols as follows:



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to people.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

## WARNING



Do not mount the product where it will obstruct the deployment of the airbag or in an area where it would affect the vehicular control. Also be careful to avoid mounting the product where it can become hazardous during sudden stops or in the event of an accident.



Installation of all TV monitors must be out of the driver's field of sight.



Use extra caution with any liquids in your car. If you or your child spill any liquid on these products, pull your vehicle to the roadside and turn the key off to disconnect or wipe the products with a towel. Do not operate the equipment until all liquids have either evaporated or you have had the monitor inspected at a service center by a qualified technician. Severe harm or danger can be occurred.



Do not try and service these products yourself, seek only a qualified service center or factory service center.



Be careful not to drop or apply under pressure to the front panel of your video monitor. If the screen cracks due to misuse, your warranty will be void!



Use only a damp cloth to clean the screen and use only purified water on the cloth, wring out all excess water prior to wiping the screen. Do not use any cleaners or chemicals to clean the screen. In most cases a dry cloth will do!

# Caution

## CAUTION



Quality installations are best performed by qualified and certified installers.



Watching the monitor for an extended period of time without the engine running may deplete the vehicle's battery charge.



Do not bring magnetic devices such as credit card or magnetic card near the magnets.



This product is designed for operation with a 12 Volt DC, negative ground vehicle. It is not suitable for operation under other conditions or voltages.

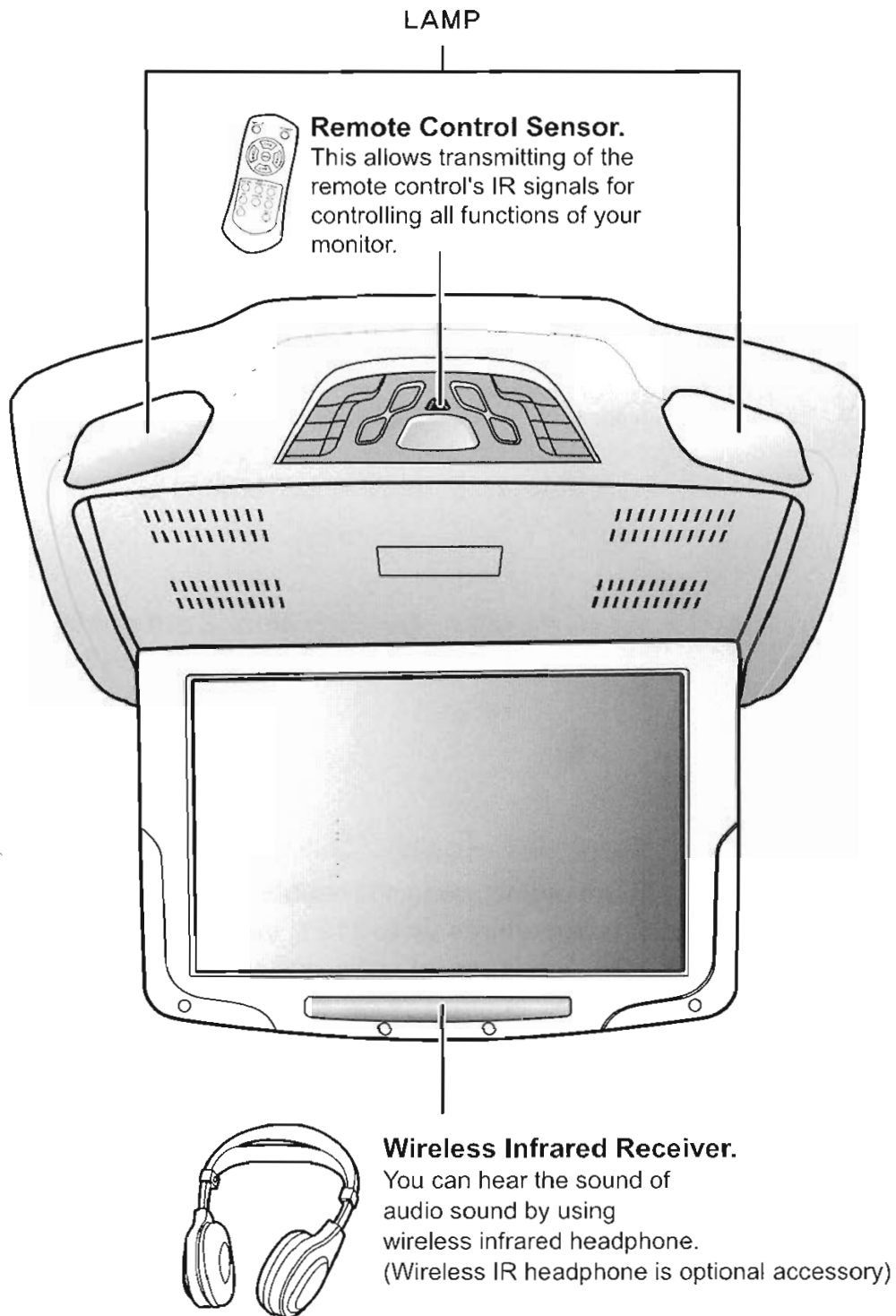


## Check Point

1. The operating temperature of this product is limited to  $-4^{\circ}\text{F} \sim +176^{\circ}\text{F}$ . Your vehicle can reach temperatures up to  $212^{\circ}\text{F}$  in the summertime.
2. From time to time when your vehicle is extremely hot or cold you must allow time for your air conditioner or heater to cool or heat the vehicle for operating temperatures to return to normal operating ranges. Your monitor will return to its normal functions when these operating ranges are reached.
3. Your optimum picture quality is achieved when you are directly in front of the monitor ( $\pm 30$  degrees).

# Name And Function Of Each Parts

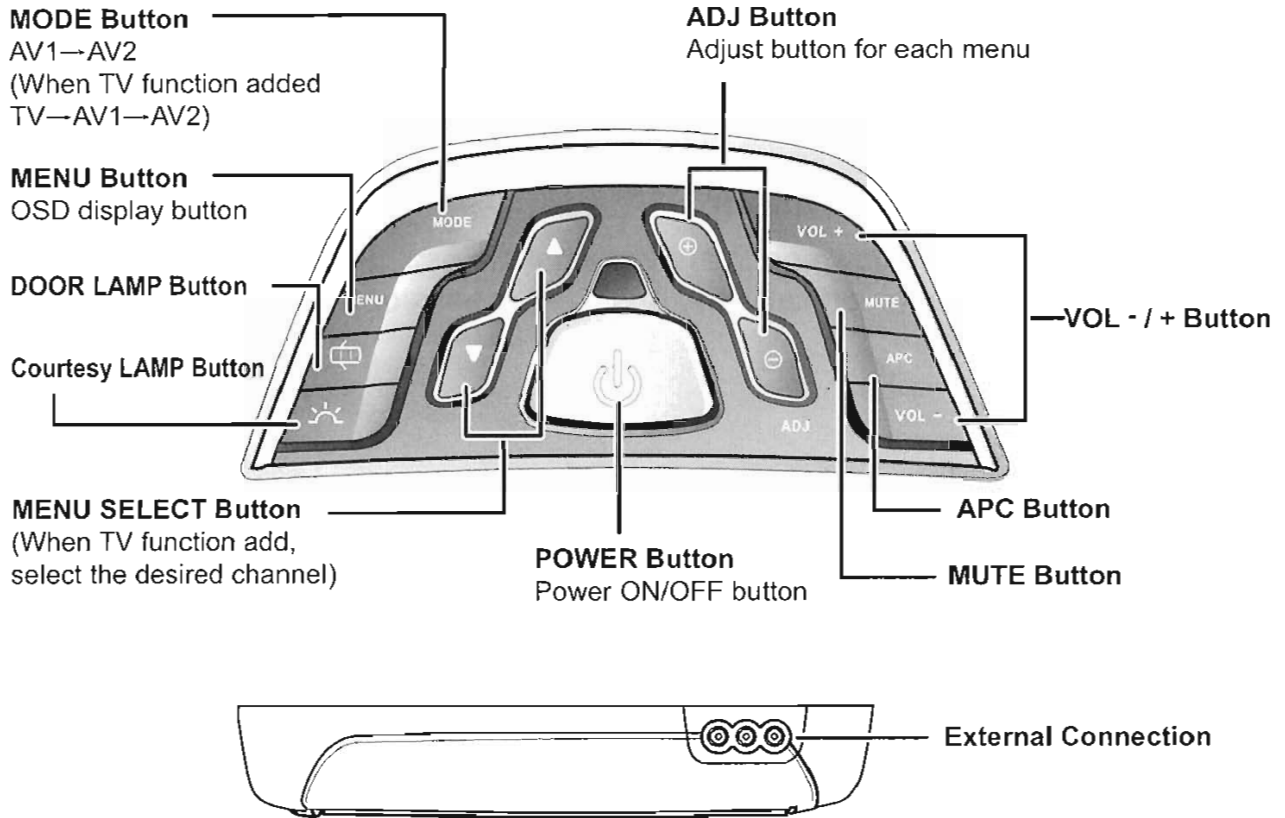
## ● Unit



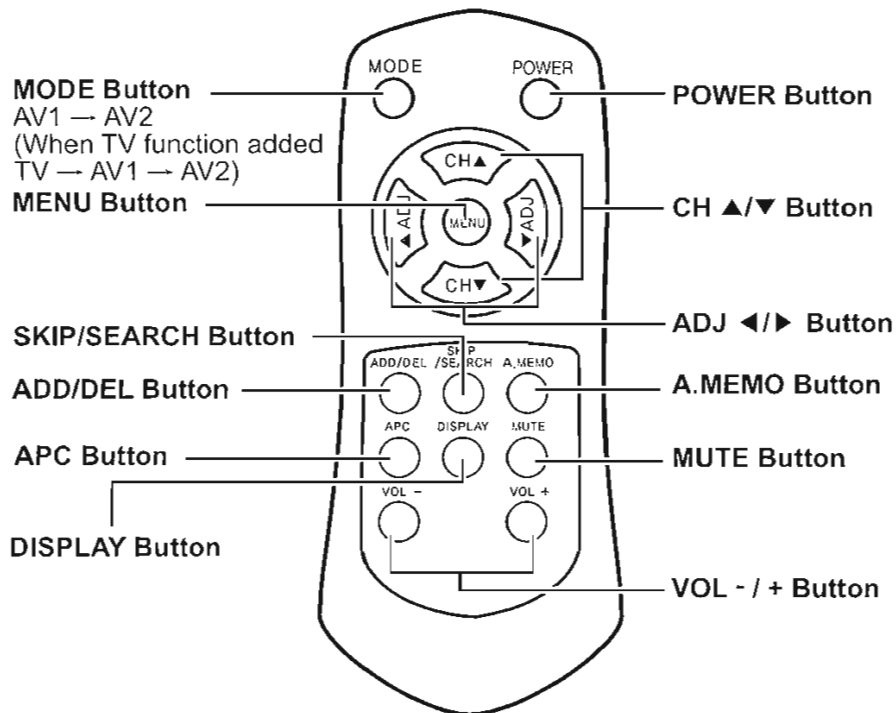
### ※ Caution

Do not bring magnetic devices such as credit card or magnetic card near the monitor.

# Name And Function Of Each Parts



## ● Remote Controller



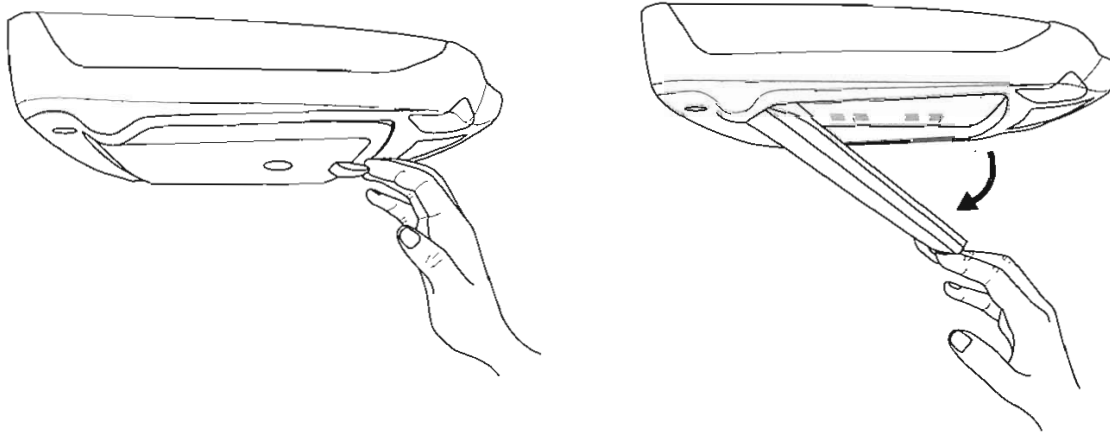
# Power And Mode Selection

## ● Power ON/OFF

Press the **POWER** button on the remote control or on the unit(⏻) to turn the power on.  
Press the **POWER**(⏻) button to turn the power off.

## ● Monitor Angle Adjustment

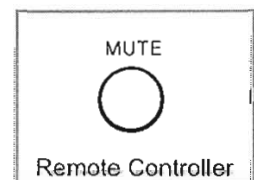
To open monitor, pull down on the release handle as shown.  
Adjust monitor screen vertically and position to user's optimum viewing angle.



## ● Mute Function

Mute the audio sound.

1. Press the **MUTE** button on the remote control or on the unit, displayed "**MUTE**" on the monitor and mute the audio sound.



2. When mute is on, press the **MUTE** button again on the remote control or on the unit, displayed "**MUTE OFF**" on the monitor and play the audio sound.

# Power And Mode Selection

## ● Volume Control

Volume level is controlled by pressing the **VOL + / -** buttons.

※ Volume Control consist of **20** steps.

## ● Mode Setting

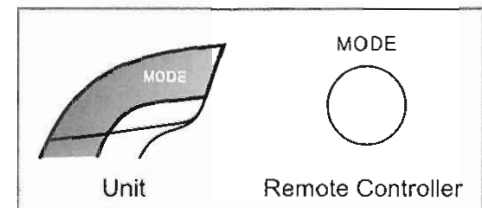
Select the desired mode by pressing the **MODE** button on the unit or on the remote control.

Mode will be changed as below;

**AV1** → **AV2**

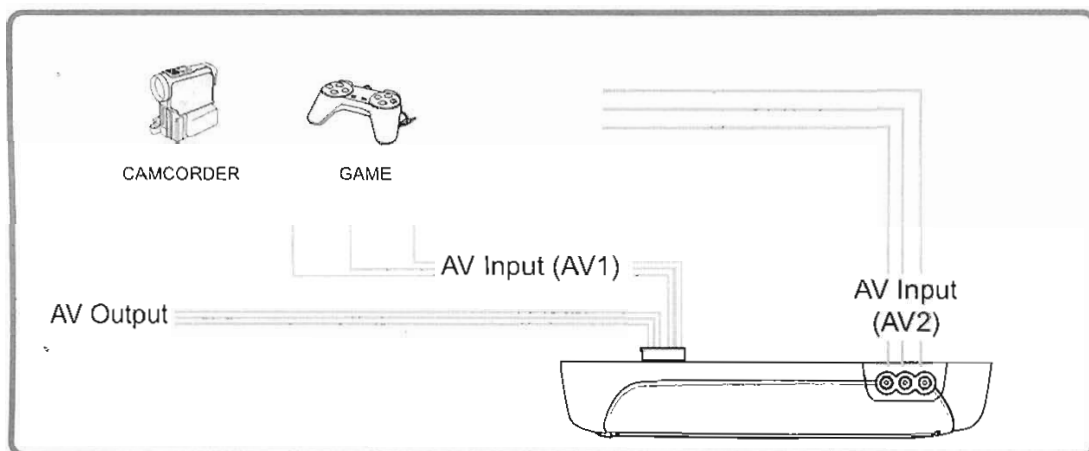
For built in TV model, the mode will be changed as below;

**(TV)** → AV1 → AV2



## ● AUX (AV1/AV2) Mode

1. Connect the external devices as shown below (refer **Connection Diagram**).



2. Turn the power on the unit and external devices.
3. Select the **AV1** or **AV2** mode by pressing the **MODE** button on the unit or on the remote control.
4. Play the external device.

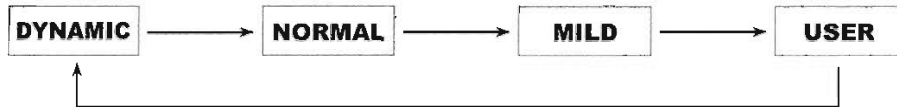


# Picture Control

## ● APC (Auto Picture Control)

Select the screen conditions.

Press the **APC** button, to select picture setting;



## ● CONTRAST/BRIGHT/COLOR/TINT

Select **CONTRAST/BRIGHT/COLOR/TINT** and change the picture setting to user's preference.

1. Bring up the on-screen **FUNCTION** menu by pressing the **MENU** button on the remote control or on the unit.

FUNCTION		
①	<b>CONTRAST</b>	<b>50</b>
⚙	BRIGHT	40
⊖	<b>COLOR</b>	<b>40</b>
⚖	TINT	25
🎵	BASS	0
🎵	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

2. Select the desired menu by pressing the CH **▲/▼** buttons on the remote control or the **▲/▼** buttons on the unit.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊖	<b>COLOR</b>	<b>40</b>
⚖	TINT	25
🎵	BASS	0
🎵	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

3. Adjust the picture settings with the ADJ **◀/▶** buttons on the remote control or the ADJ **⊕/⊖** buttons on the unit to achieve the desired settings.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊖	<b>COLOR</b>	<b>30</b>
⚖	TINT	25
🎵	BASS	0
🎵	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

※ When TV system is changed to PAL, **TINT** is not available function.

# Picture Control

## ● SCREEN

Select the desired screen mode.

1. Bring up the on-screen **FUNCTION** menu by pressing the **MENU** button on the remote control or on the unit.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊖	COLOR	40
+	TINT	25
↘	BASS	0
↗	TREBLE	+7
Ⓜ	FM TX	88.3
⇐	SCREEN	WIDE

2. Select the **SCREEN** menu by pressing the CH **▲/▼** buttons on the remote control or the **▲/▼** buttons on the unit.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊖	COLOR	40
+	TINT	25
↘	BASS	0
↗	TREBLE	+7
Ⓜ	FM TX	88.3
⇐	SCREEN	WIDE

3. Select the desired **SCREEN** mode by pressing the ADJ **◀/▶** buttons on the remote control or the ADJ **⊕/⊖** buttons on the unit.

FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⊖	COLOR	40
+	TINT	25
↘	BASS	0
↗	TREBLE	+7
Ⓜ	FM TX	88.3
⇐	SCREEN	NORMAL

※ Each Modes will be displayed as below;

## NORMAL



The screen will be the standard 4:3 ratio.

## WIDE

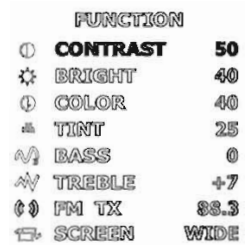


The screen will be magnified to the ratio of 16:9 on the left and right sides.

# Sound Control

## ● BASS/TREBLE

1. Bring up the on-screen **FUNCTION** menu by pressing the **MENU** button on the remote control or on the unit.



A screenshot of the TV's on-screen menu titled "FUNCTION". The menu lists several settings: CONTRAST (50), BRIGHT (40), COLOR (40), TINT (25), BASS (0), TREBLE (+7), FM TX (88.3), and SCREEN (WIDE). The BASS setting is highlighted with a white background.

FUNCTION		
ⓘ	CONTRAST	50
⚙	BRIGHT	40
⓪	COLOR	40
≡	TINT	25
↕	BASS	0
↕	TREBLE	+7
Ⓜ	FM TX	88.3
⊞	SCREEN	WIDE

2. Select **BASS/TREBLE** by pressing the CH **▲/▼** buttons on the remote control or the **▲/▼** buttons on the unit.



A screenshot of the TV's on-screen menu titled "FUNCTION". The menu lists several settings: CONTRAST (50), BRIGHT (40), COLOR (40), TINT (25), BASS (0), TREBLE (+7), FM TX (88.3), and SCREEN (WIDE). The TREBLE setting is highlighted with a white background.

FUNCTION		
ⓘ	CONTRAST	50
⚙	BRIGHT	40
⓪	COLOR	40
≡	TINT	25
↕	BASS	0
↕	TREBLE	+7
Ⓜ	FM TX	88.3
⊞	SCREEN	WIDE

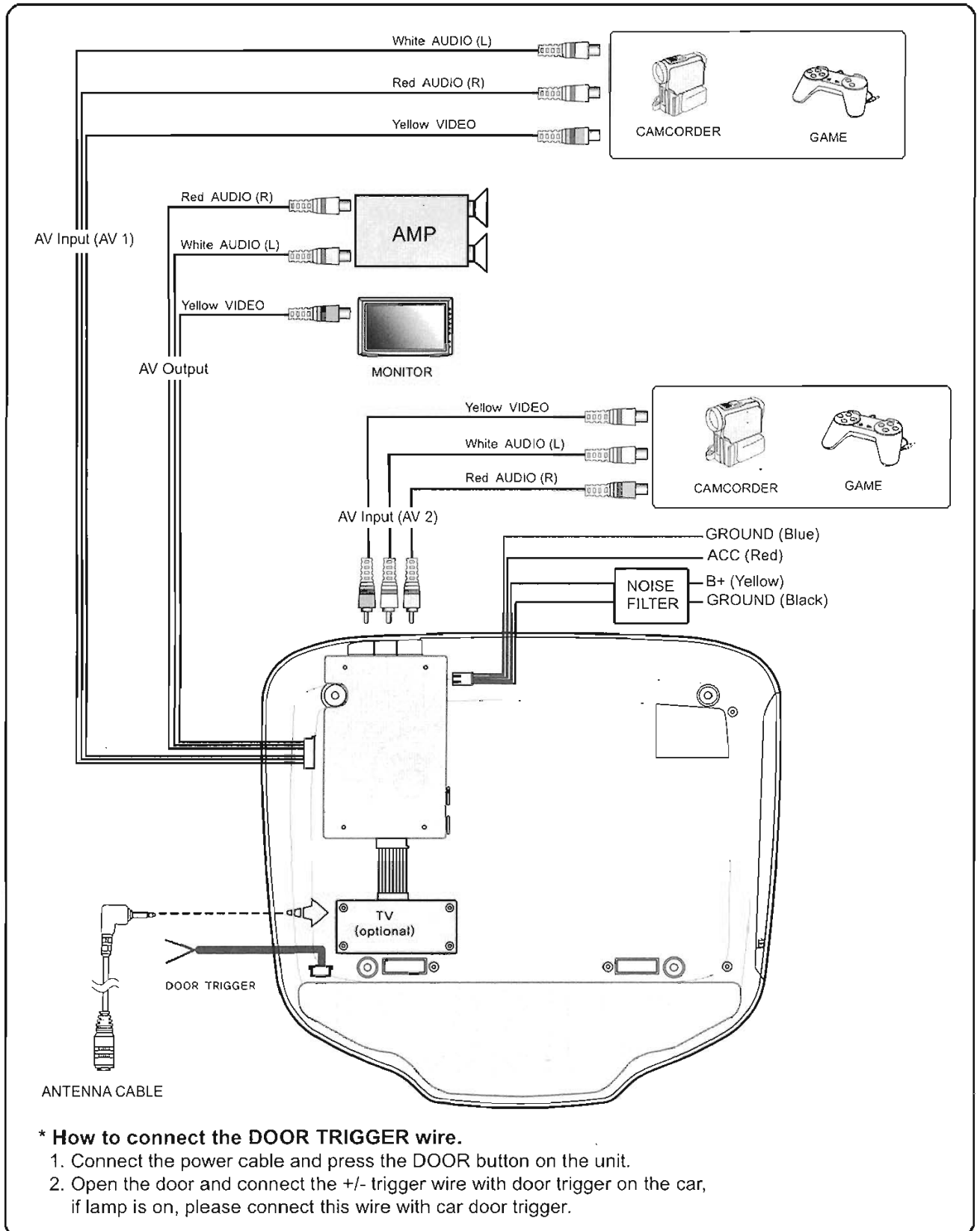
3. Control the Audio quality by pressing the **ADJ ◀/▶** buttons on the remote control or the **ADJ ⊕/⊖** buttons on the unit.



A screenshot of the TV's on-screen menu titled "FUNCTION". The menu lists several settings: CONTRAST (50), BRIGHT (40), COLOR (40), TINT (25), BASS (0), TREBLE (+2), FM TX (88.3), and SCREEN (WIDE). The TREBLE setting is highlighted with a white background.

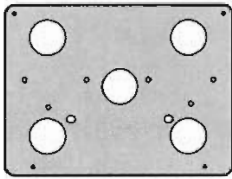
FUNCTION		
ⓘ	CONTRAST	50
⚙	BRIGHT	40
⓪	COLOR	40
≡	TINT	25
↕	BASS	0
↕	TREBLE	+2
Ⓜ	FM TX	88.3
⊞	SCREEN	WIDE

# Connection Diagram



# Installation

1. Unpack the color box and check the contents.



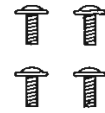
INSTALLATION PLATE



UNIT



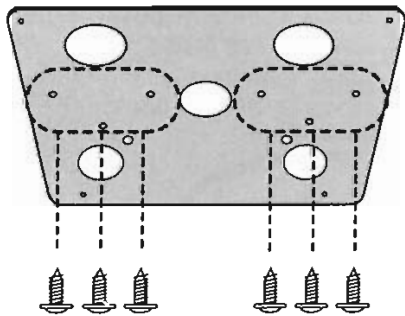
SCREW A



SCREW B

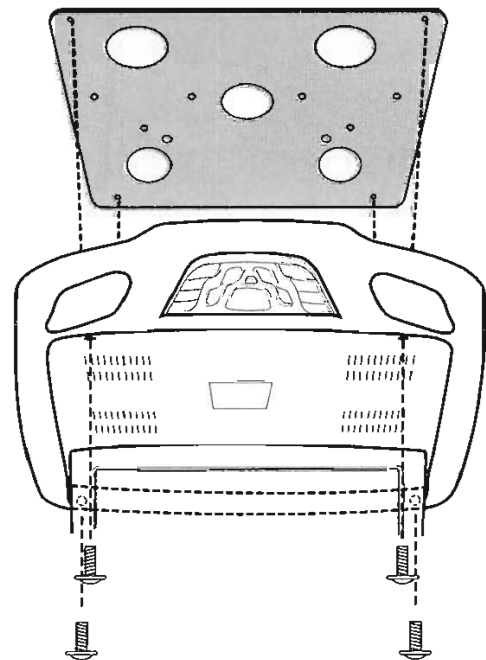
SCREW

2. Connect the external devices RCA cable or AV output.  
(refer the connection diagram)



3. Match the position of installation bracket and installation plate with 6 screws(screw A).

4. Tighten the unit with the supplied 4 screws(screw B).

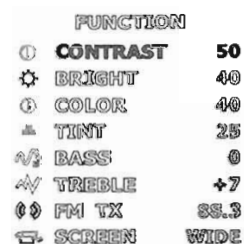


# Optional Specification

## ● FM TX

Listening to the audio portion of the disk through your automotive speakers.

1. Bring up the on-screen **FUNCTION** menu by pressing the **MENU** button on the remote control or on the unit.



FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⌚	COLOR	40
⊖	TINT	25
🎵	BASS	0
🎵	TREBLE	+7
📻	FM TX	88.3
📺	SCREEN	WIDE

2. Select the **FM TX** menu by pressing the **CH ▲/▼** buttons on the remote control or the **▲/▼** buttons on the unit.



FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⌚	COLOR	40
⊖	TINT	25
🎵	BASS	0
🎵	TREBLE	+2
📻	FM TX	88.3
📺	SCREEN	WIDE

3. Select the Radio frequency from **88.3MHz~90.1MHz** by pressing the **ADJ ◀/▶** buttons on the remote control or the **ADJ ⊕/⊖** buttons on the unit.



FUNCTION		
①	CONTRAST	50
⚙	BRIGHT	40
⌚	COLOR	40
⊖	TINT	25
🎵	BASS	0
🎵	TREBLE	+2
📻	FM TX	90.1
📺	SCREEN	WIDE

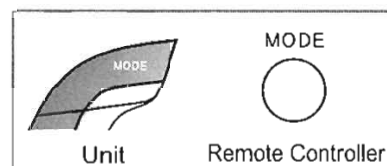
4. After setting the Radio frequency, control the radio volume.

※ When **FM TX** is not installed or not working, you can hear the sound through **IR headphone**. (IR headphone is optional items)

# Optional Specification

## ● TV Mode

1. Install the **TV module** on the product.  
Please check the **Connection Diagram** on the manual.
2. Select the **TV mode** by pressing the **MODE** button on the remote control or on the unit.



## ● How To Select Channels Automatically

1. Press the **A.MEMO** button on the remote control to select all available channels automatically.  
※ Channel may not be selected in a bad RF signal region.
2. After finishing the search channels, view channels and Add / Delete channel of your preference.

## ● How To Add And Delete Channels Manually

Use to add or delete the channel as your taste.

1. Select the channels as you want by pressing the **CH ▲/▼** buttons on the remote control or the **▲/▼** buttons on the unit.
2. Select add or delete the channels by pressing the **ADD/DEL** button on the remote control.  
**ADD** : Add the channels those are not in the memorized channels.  
**DEL** : Delete the channels those are in the memorized channels.

# Optional Specification

## ● How To Select Channel

1. Channels select on the **SKIP** mode.  
Display the TV channels only the memorized channels.  
After switching the **SKIP MODE** by pressing the **SKIP/SEARCH** button on the remote control, select the desired channel by pressing the **▲/▼** buttons on the unit or the **CH ▲/▼** buttons on the remote control.
2. Channels select on the **SEARCH** mode.  
To view all channels.  
After switching the **SEARCH MODE** by pressing the **SKIP/SEARCH** button on the remote control, select the desired channel by pressing the **▲/▼** buttons on the unit or the **CH ▲/▼** buttons on the remote control.

## ● Channel Display

Press the **DISPLAY** button on the remote control, to displayed the channel on the right side of screen.

※ Watching TV is optional function and needs additional cost. If you want to install this function, please contact with the closest install shop or regional dealer.



# Specifications

Power	DC 12V
Screen Format	16 : 9
Resolution	800(RGB) X 480 Pixel
Brightness	380 cd/m <sup>2</sup>
Color System	NTSC / PAL Auto Selection
A/V Input	2 EA
A/V Output	1 EA
Dimension	322(W) X 299(D) X 63(H)mm / 12.6"(W) X 11.7"(D) X 2.4"(H)

Note : This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.