사양인검통보서

2017년 03월   일

		결 재	작 성	검 토			승 인
			/	/	/	/	/

품 명	MANUAL	규 격	XCM-1021(10.1"CM_ENG,TCAT,22XM10MC00)
CODE NO	미지정	업 체 명	

OWNER'S MANUAL

TCAT®

Roof Mounted Display Monitor

210

148

C/N

단위 : mm
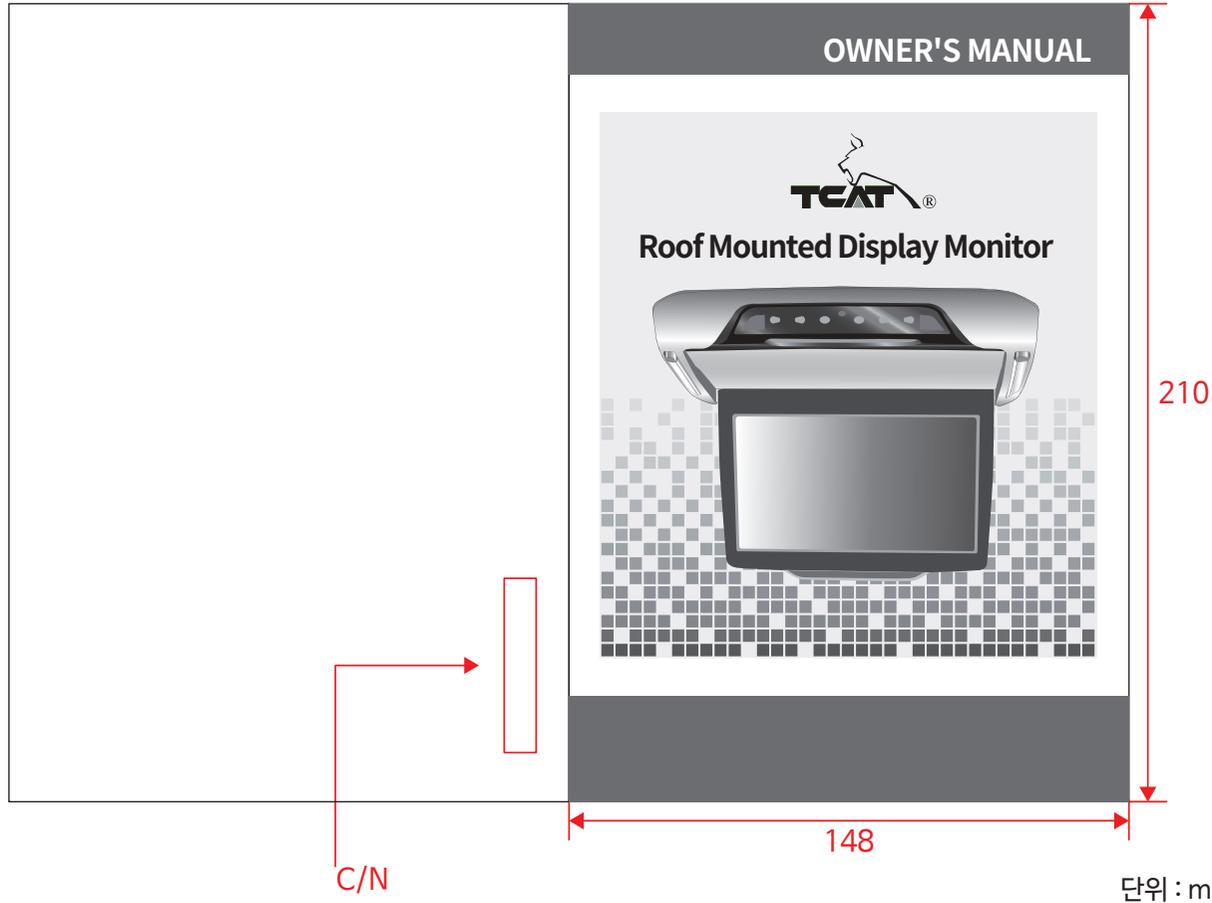
특 기 사 항

금형 NO.	
MATERIAL	모조지 80G
COLOR	
SIZE	(W)148 X (H)210(±2mm)
기 타	

주 의 사 항

배 포 처	조달, 품질보증, 연구소(개발), 업체

XM-R-16

OWNER'S MANUAL

Roof Mounted Display Monitor

CONTENTS

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:

⚡ WARNING
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.

⚠ CAUTION
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 try and service these products yourself, seek only a qualified service center or factory sevice 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!

Be careful not to overload your cigarette lighter plug by adding more than one device at a time.

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 occured.

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

Don't touch the unit when there is a flash of lightning. It may receive an electric shock.

Do not cover or stop up heater ducts or vents. It may be the origin of a fire or receives an electric shock.

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

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

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 -10℃ ~ + 70℃.
   Non operating temperature of this product is limited to -10℃ ~ + 85℃

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 temperature to return to normal operating ranges.
   Your monitor will return to its normal functions when these operating ranges are achieved.

3. Your optimum picture quality is achieved when you are directly in front of the monitor (+/-30 degrees).

4. Do not open covers and repair yourself. Refer servicing to qualified personnel.

Name And Function Of Each Parts

● Unit

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

ROOM LAMP Button
Push the button once to turn ON the room lamp. Push again to turn it OFF.

DOOR LAMP Button
Room lamp is automatically ON/OFF when door is opened/closed

LAMP
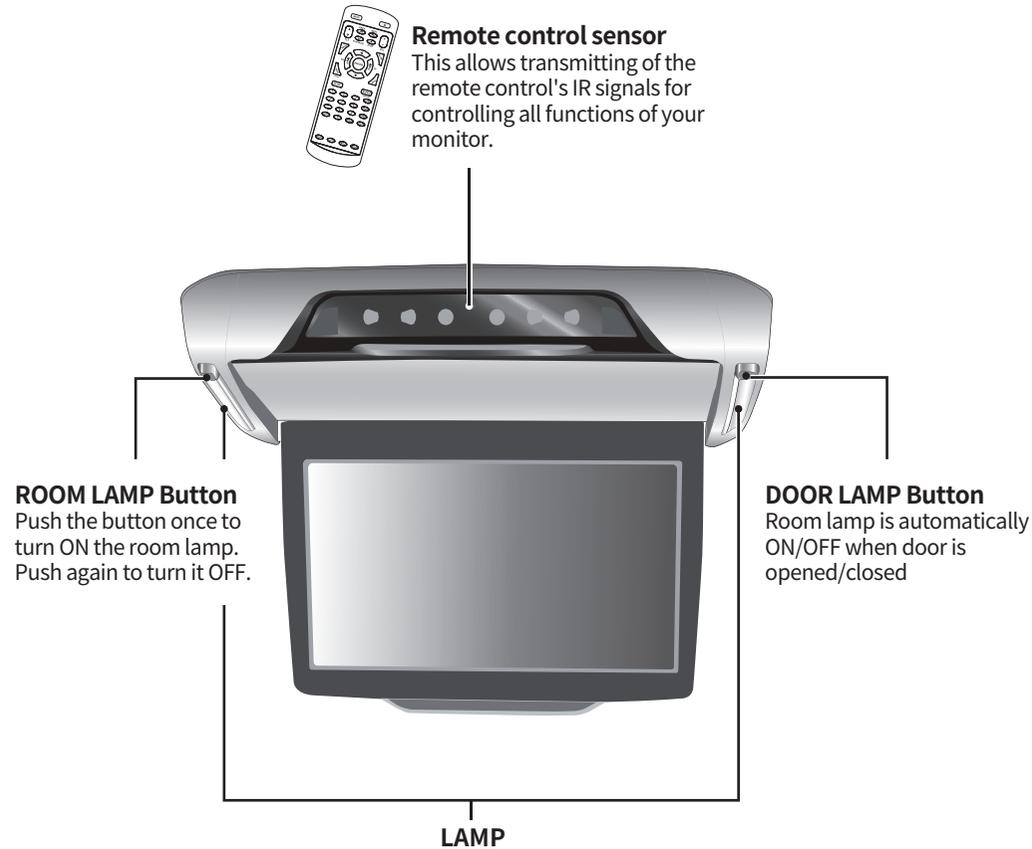
Name And Function Of Each Parts

● Button

Arrow Button

Return and Previous Button

Play and Pause Button

Power ON/OFF Button

Main Screen button

● Multimedia ports

USB PORT

HDMI PORT

Remote controller

POWER button

VOL UP/DOWN button

⏮ PREVIOUS button

⏭ NEXT button

⏯ PLAY/PAUSE button

▪ STOP button

MUTE button

MENU button

ENTER button

Main Screen button

NUMBER button

GOTO button

RETURN button

◀ / ▶ / ▲ / ▼ ARROW buttons

INFO button

REPEAT button

Shortcut button for HDMI mode

Shortcut button for AV mode

ZOOM button

SUB-T button

Power ON/OFF

1. Press the **POWER** button on either the remote controller or the unit once to turn the power on.
   Press the same **POWER** button to turn the power off.

2. Power on the external devices and play.

Monitor Unit   Remote Controller
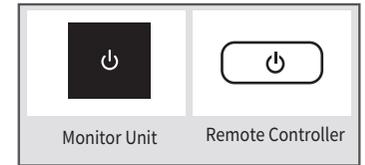
Monitor Angle Adjustment

You can pull down the monitor manually and also adjust the viewing angle.
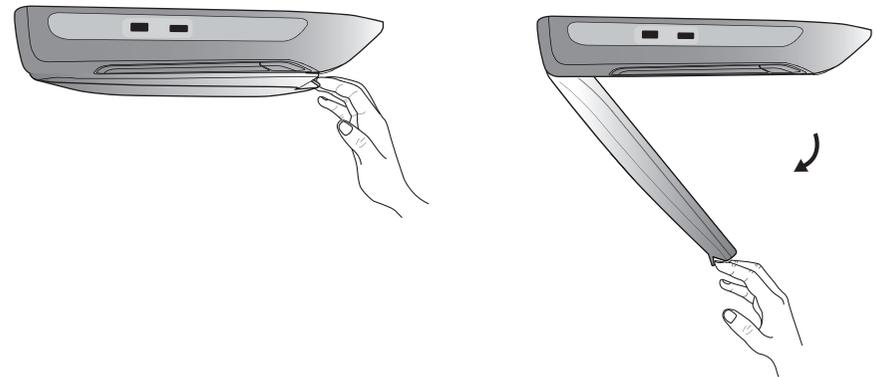
Power And Mode Selection

Mode Selection

Press the **home button**(⌂) on the unit or
main screen button on the remote controller
to show the MODE screen.
Use the directional keys to select the desired Mode.
(refer to page 21 for more information)

Unit	Remote Controller
⌂	MAIN

Multimedia Mode

USB storage device.

External device — HDMI INPUT
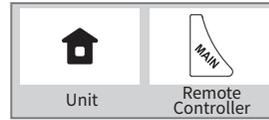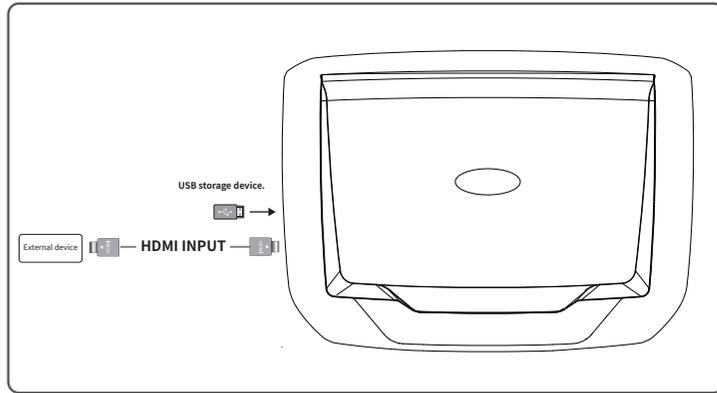
1. Turn on the power of unit and external device.

2. Press the **MAIN button** on the remote control to move to main screen and select desired mode.

3. Play the external device.

Picture Control

Picture Mode
Select either Brightness / Contrast / Color / Tint / Sharpness to change the picture settings.

1. Press the **MENU button** on the remote control.

Picture Mode	◄	Standard	►
Brightness			50
Contrast			50
Color			50
Tint			0
Sharpness			50
Color Temperature	◄	Normal	►
Aspect Ratio	◄	Wide	►
Noise Reduction	◄	Off	►

⊙⊙ Select   ⊙⊙ Move   (MENU) Exit
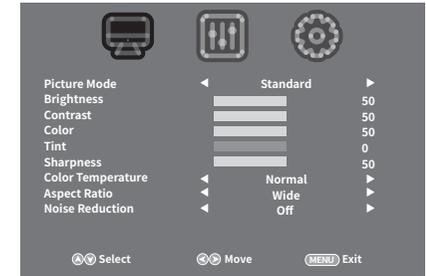
2. Press the ▼ **button** on the remote control
to select the picture setting to be adjusted.

3. Press the ◄/► **button** on the remote control
to adjust the values and settings.
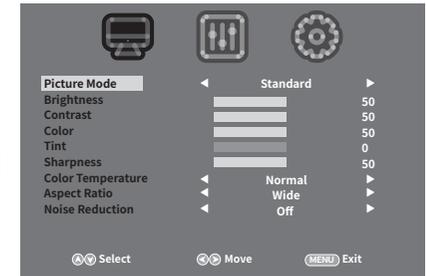
User → Standard → Dynamic → Mild → Energy saving

Picture Mode	◄	Standard	►
Brightness			50
Contrast			50
Color			50
Tint			0
Sharpness			50
Color Temperature	◄	Normal	►
Aspect Ratio	◄	Wide	►
Noise Reduction	◄	Off	►

⊙⊙ Select   ⊙⊙ Move   (MENU) Exit

4. To create Custom settings, select user mode
and adjust each settings individually
by pressing the ◄/► **button** on the remote control
and press the **ENTER button** to confirm it.

Picture Mode	◄	Standard	►
Brightness			50
Contrast			50
Color			50
Tint			0
Sharpness			50
Color Temperature	◄	Normal	►
Aspect Ratio	◄	Wide	►
Noise Reduction	◄	Off	►

⊙⊙ Select   ⊙⊙ Move   (MENU) Exit
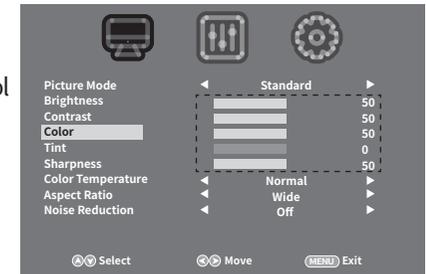
5. After the adjustment, press the **MENU button**
on the remote control to return to the previous screen.

Picture Control

○ **Color Temperature**   Adjust the color tone.

1. Press the **MENU button** on the remote control.

Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Off	►

Ⓐ▼ Select   ◄► Move   (MENU) Exit
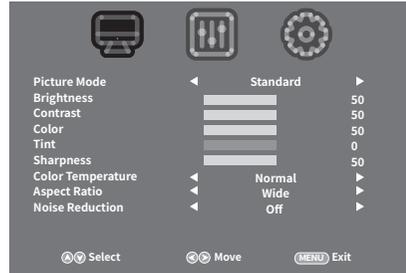
2. Press ▲/▼ **button** on the remote control to select the Color Temperature.
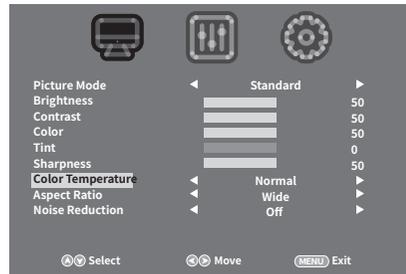
Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Off	►

Ⓐ▼ Select   ◄► Move   (MENU) Exit

3. Press the ◄/► **button** on the remote control to adjust the values and settings.

Normal → Warm → Cool

Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Cool	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Off	►

Ⓐ▼ Select   ◄► Move   (MENU) Exit
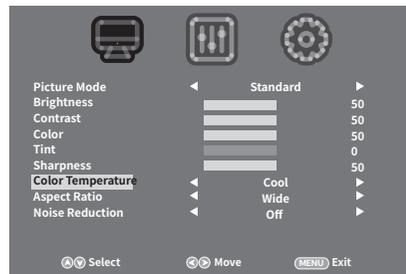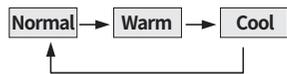
4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Picture Control

○ **Aspect Ratio**   Adjust the picture size

1. Press the **MENU button** on the remote control.

Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Off	►

Ⓐ▼ Select   ◄► Move   (MENU) Exit
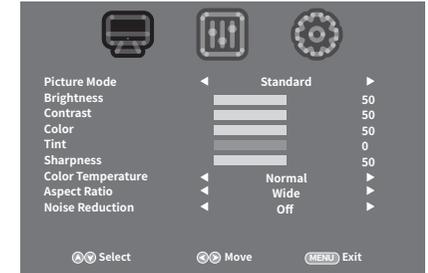
2. Press ▲/▼ **button** on the remote control to select the Aspect Ratio.
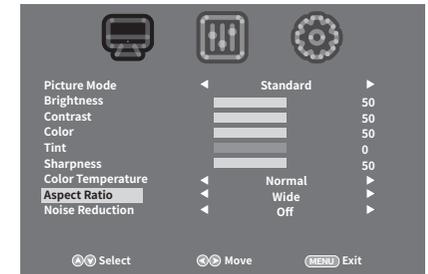
Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Off	►

Ⓐ▼ Select   ◄► Move   (MENU) Exit

3. Press the ◄/► **button** on the remote control to adjust the values and settings.

Wide → Zoom → Cinema → Normal

Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Zoom	►
Noise Reduction	◄ Off	►

Ⓐ▼ Select   ◄► Move   (MENU) Exit
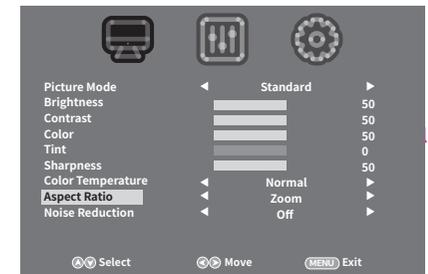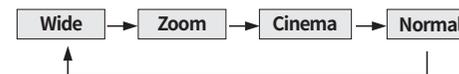
4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Picture Control

● **Noise Reduction**   Adjust the level of noise reduction function.

1. Press the **MENU button** on the remote control.

Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Off	►

(▲)(▼) Select   (◄)(►) Move   (MENU) Exit
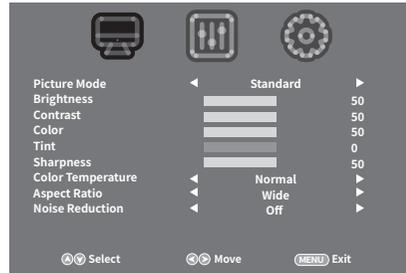
2. Press ▲/▼ **button** on the remote control to select the noise reduction.

Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Off	►

(▲)(▼) Select   (◄)(►) Move   (MENU) Exit
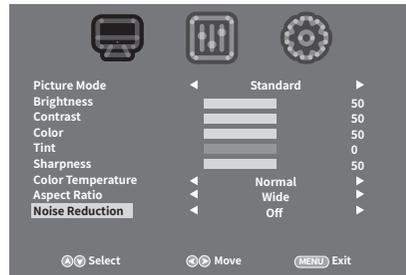
3. Press the ◄/► **button** on the remote control to select desired level of the function.
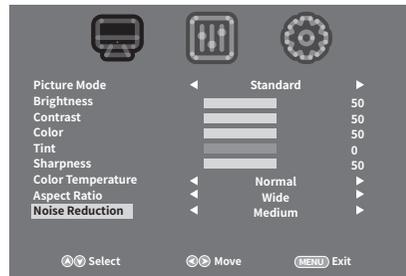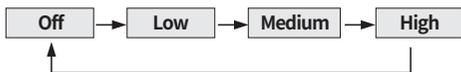
Off → Low → Medium → High

Picture Mode	◄ Standard	►
Brightness		50
Contrast		50
Color		50
Tint		0
Sharpness		50
Color Temperature	◄ Normal	►
Aspect Ratio	◄ Wide	►
Noise Reduction	◄ Medium	►

(▲)(▼) Select   (◄)(►) Move   (MENU) Exit

4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Sound Control

● **Sound Mode**   Adjust sound mode

1. Press the ◄/► **button** on the remote control to move to Audio mode(▥) after pressing the **MENU button** on the remote control.

Sound Mode	◄ Standard	►
Bass		50
Treble		50
Balance		50
AVL	◄ On	►
Speaker	◄ On	►
Surround	◄ Off	►

(▲)(▼) Select   (◄)(►) Move   (MENU) Exit
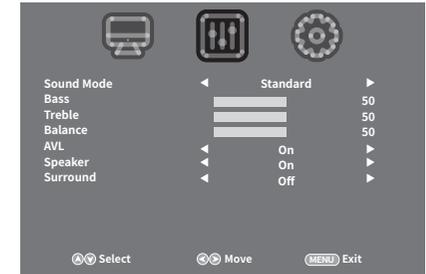
2. Press the ▲/▼ **button** on the remote control to select the Audio setting to be adjusted.
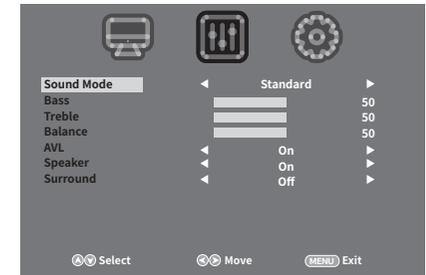
Sound Mode	◄ Standard	►
Bass		50
Treble		50
Balance		50
AVL	◄ On	►
Speaker	◄ On	►
Surround	◄ Off	►

(▲)(▼) Select   (◄)(►) Move   (MENU) Exit

3. Press the ◄/► **button** on the remote control to adjust the values and settings.

User → Standard → Music → Movie

Sound Mode	◄ Standard	►
Bass		50
Treble		50
Balance		50
AVL	◄ On	►
Speaker	◄ On	►
Surround	◄ Off	►

(▲)(▼) Select   (◄)(►) Move   (MENU) Exit

4. To create Custom settings, select **User mode** and adjust each settings individually by pressing the ◄/► **button** on the remote control and press the **ENTER button** to confirm it.

Sound Mode	◄ Standard	►
Bass		50
Treble		50
Balance		50
AVL	◄ On	►
Speaker	◄ On	►
Surround	◄ Off	►

(▲)(▼) Select   (◄)(►) Move   (MENU) Exit
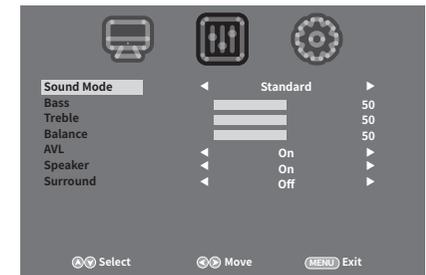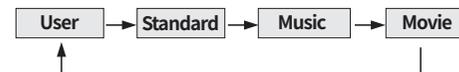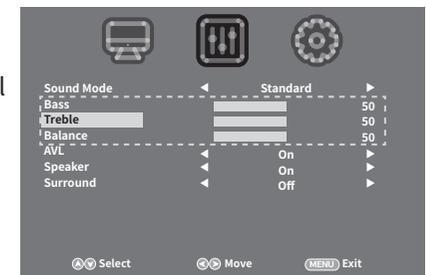
5. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Sound Control

● Sound Balance   Adjust left and right sound of audio.

1. Press the ◀/▶ **button** on the remote control to move to Audio Mode(▦)   after press the **MENU buttonon** the remote control.

Sound Mode	◀ Standard ▶
Bass	50
Treble	50
Balance	50
AVL	◀ On ▶
Speaker	◀ On ▶
Surround	◀ Off ▶

Ⓐⓥ Select   ⓐⓑ Move   (MENU) Exit
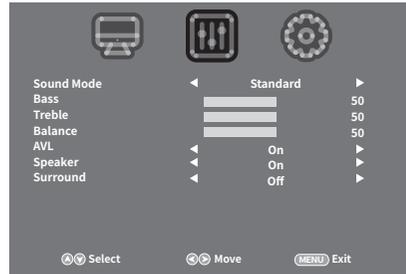
2. Press ▲/▼ **button** on the remote control to select the **Audio Balance**.
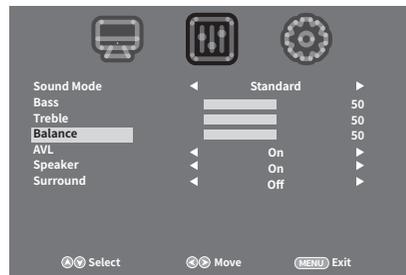
Sound Mode	◀ Standard ▶
Bass	50
Treble	50
Balance	50
AVL	◀ On ▶
Speaker	◀ On ▶
Surround	◀ Off ▶

Ⓐⓥ Select   ⓐⓑ Move   (MENU) Exit

3. Press the ◀/▶ **button** on the remote control to adjust the values and settings.

Sound Mode	◀ Standard ▶
Bass	50
Treble	50
Balance	50
AVL	◀ On ▶
Speaker	◀ On ▶
Surround	◀ Off ▶

Ⓐⓥ Select   ⓐⓑ Move   (MENU) Exit
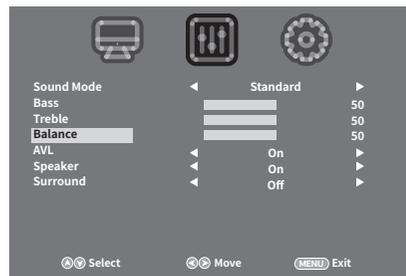
4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Sound Control

● Auto Volume Control   Adjust auto volume control

1. Press the ◀/▶ **button** on the remote control to move to Audio Mode(▦) after press the **MENU button** on the remote control.

Sound Mode	◀ Standard ▶
Bass	50
Treble	50
Balance	50
AVL	◀ On ▶
Speaker	◀ On ▶
Surround	◀ Off ▶

Ⓐⓥ Select   ⓐⓑ Move   (MENU) Exit
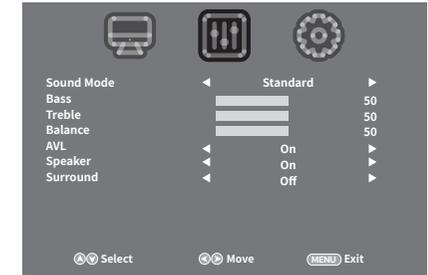
2. Press ▲/▼ **button** on the remote control to select the auto volume control.

Sound Mode	◀ Standard ▶
Bass	50
Treble	50
Balance	50
AVL	◀ On ▶
Speaker	◀ On ▶
Surround	◀ Off ▶

Ⓐⓥ Select   ⓐⓑ Move   (MENU) Exit
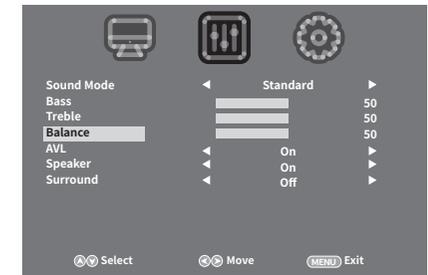
3. Press the ◀/▶ **button** on the remote control to adjust the settings.
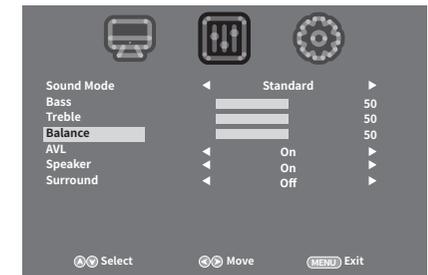
Sound Mode	◀ Standard ▶
Bass	50
Treble	50
Balance	50
AVL	◀ On ▶
Speaker	◀ On ▶
Surround	◀ Off ▶

Ⓐⓥ Select   ⓐⓑ Move   (MENU) Exit

4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Sound Control

Surround Adjust surround of audio.

1. Press the ◀/▶ **button** on the remote control to move to Audio Mode(▦) after press the **MENU button** on the remote control.

Sound Mode	◀	Standard	▶
Bass			50
Treble			50
Balance			50
AVL	◀	On	▶
Speaker	◀	On	▶
Surround	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit

Sound Mode	◀	Standard	▶
Bass			50
Treble			50
Balance			50
AVL	◀	On	▶
Speaker	◀	On	▶
Surround	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit
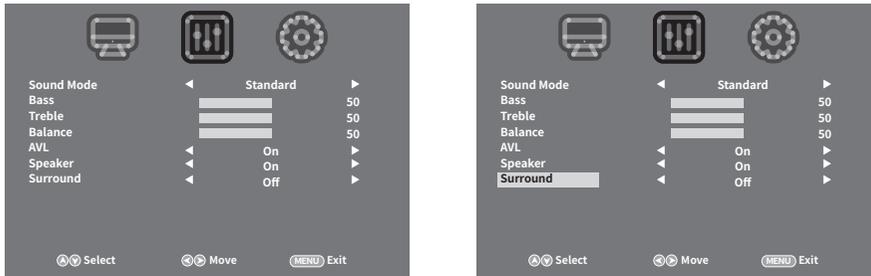
2. Press ▲/▼ **button** on the remote control to select **the Surround.**

3. Press the ◀/▶ **button** on the remote control to select the Surround on or off.

4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Language Selection. Select your desired language.
Menu can be shown on the screen with the selected language.

1. Press the ◀/▶ **button** on the remote control to move to SETUP mode(⚙) after press the MENU button on the remote control.

Menu Language	◀	English	▶
Transparency	◀	50%	▶
OSD Time Out	◀	30 Sec.	▶
Restore Default	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit

Menu Language	◀	English	▶
Transparency	◀	50%	▶
OSD Time Out	◀	30 Sec.	▶
Restore Default	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit
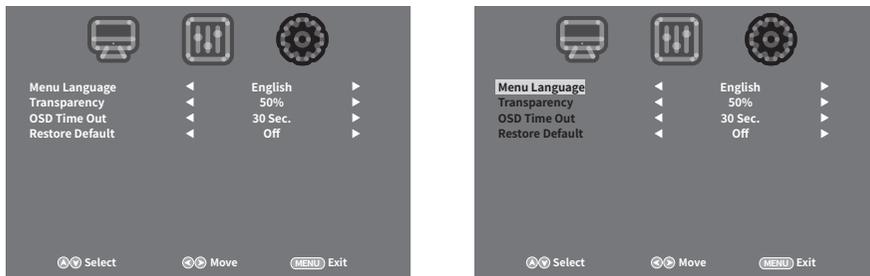
2. Press ▲/▼ **button** on the remote control to select the Language.

3. Press the ◀/▶ **button** on the remote control to select the desired Language.

4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Setup Control

OSD Transparency Adjust the transparency of the Menu page.

1. Press the ◀/▶ **button** on the remote control to move to SETUP Mode(⚙) after press the **MENU button** on the remote control.

Menu Language	◀	English	▶
Transparency	◀	50%	▶
OSD Time Out	◀	30 Sec.	▶
Restore Default	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit

Menu Language	◀	English	▶
Transparency	◀	50%	▶
OSD Time Out	◀	30 Sec.	▶
Restore Default	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit

2. Press ▲/▼ **button** on the remote control to select the **OSD Transparency**.

3. Press the ◀/▶ **button** on the remote control to adjust the transparency of the Menu page.

4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

OSD Time Out Adjust the duration time of MENU display

1. Press the ◀/▶ **button** on the remote control to move to SETUP Mode(⚙) after press the **MENU button** on the remote control.

Menu Language	◀	English	▶
Transparency	◀	50%	▶
OSD Time Out	◀	30 Sec.	▶
Restore Default	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit

Menu Language	◀	English	▶
Transparency	◀	50%	▶
OSD Time Out	◀	30 Sec.	▶
Restore Default	◀	Off	▶

▲▼ Select　◀▶ Move　(MENU) Exit
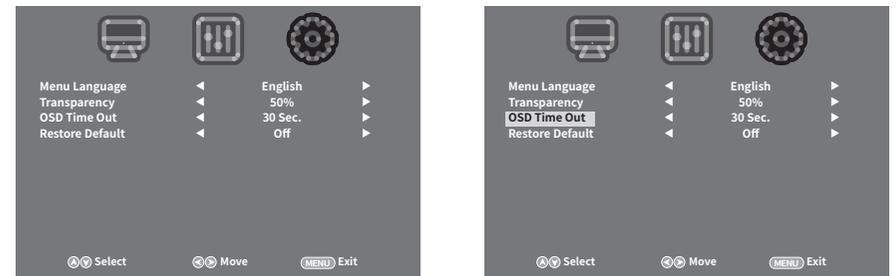
2. Press ▲/▼ **button** on the remote control to select **the OSD Time Out**.

3. Press the ◀/▶ **button** on the remote control to select the desired duration time of MENU display.

4. After the adjustment, press the **MENU button** on the remote control to return to the previous screen.

Setup Control

Restore Default   Return to the default factory settings.

1. Press the ◀/▶ **button** on the remote control to move to SETUP Mode(⚙) after press the **MENU button** on the remote control.

2. Press ▲/▼ **button** on the remote control to select the **Restore Default**.

3. Press ▶ **button** on the remote control to start the **Restore Default**.

4. Select "**YES**" to confirm it.

Multimedia Playback Function

Basic operation

1. Main Screen

Display whether USB device is detected or not.

⌃ Photo	
♫ Music	HDMI1
◎ Movie	AV1
▤ Text	
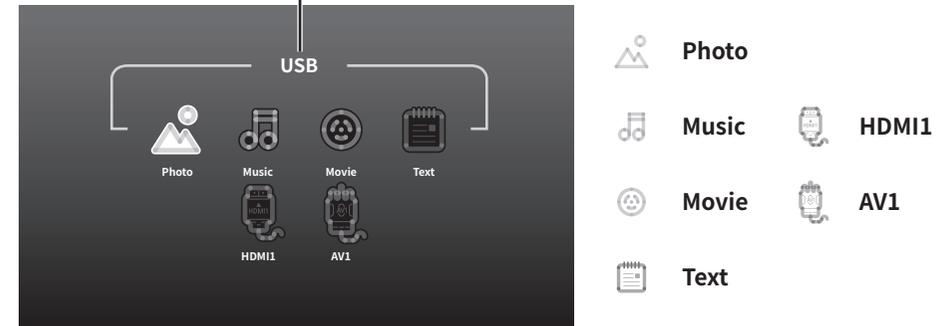
2. Playback via USB Storage Device

Select either picture, music, movie or text icon in the main screen by pressing the ◀/▶ **button** on the remote control and press the **ENTER button**.
The system will automatically show
whether the USB storage device is detected or not.
If no device is connected, the icons will not be displayed.
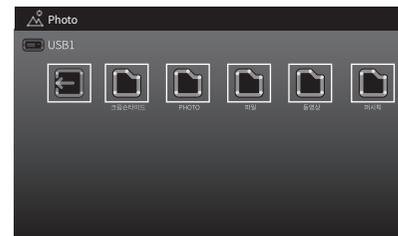
[Contents of USB Storage device.]   [File management screen for music.]

After selecting the picture, music, movie or text file,
the preview screen will be displayed.

1. Press the **PLAY/PAUSE or ENTER button** to select the file and start the playback.

[File management screen for picture]   [File management screen for movie.]
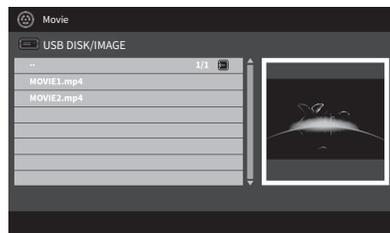
3. Playback Menu

During playback, control menus will be displayed at the bottom of the screen
by pressing **ENTER button** on the remote control.

[Playback menu screen for picture]   [Playback menu screen for movie.]

※ Playback menu options may be limited, depending on the file format.

4. Function of Playback Menu and Compatibility with File Formats

Mode	Photo	Music	Movie
Support	◯	◯	◯

PLAY/PAUSE
During playback, press **PLAY/PAUSE** to pause playback. Press again to resume playback.

STOP
During playback, press **STOP** to stop the playback. if photo file was being displayed,
system will be back to the browser mode or file management mode. if movie file was being
displayed, system will be back to the file management mode.

F.B

Mode	Photo	Music	Movie
Support	✖	◯	◯

During playback, Press "**F.B**" and the playback speed will increase and the system
will search backwards. Speed settings: from x2(double the original speed) to
x16(16 times the original speed). Under x16, you can go back to normal playing speed
by pressing "**F.B**" once again. Press "**PLAY/PAUSE**" under any speed and you will
return to normal playing speed.

F.F

Mode	Photo	Music	Movie
Support	✖	◯	◯

During playback, Press "**F.F**" and the playback speed will increase to search forward.
Speed settings: from x 2 (double normal speed) all the way to x16(16 times normal speed).
Under x16, you can go back to normal playing speed by pressing "**F.F**" once again.
Press "**PLAY/PAUSE**" under any speed and you will return to normal playing speed.

PREV : Go to the previous file ⏮

Mode	Photo	Music	Movie
Support	○	○	○

During playback or when the system is stopped, press "**PREV**" and the system will jump back to the previous file and play it.

NEXT : Go to the next file ⏭

Mode	Photo	Music	Movie
Support	○	○	○

During playback or when the system is stopped, press "**NEXT**" and the system will jump to the next file and play it.

REPEAT : Repetitive Playback 🔁

Mode	Photo	Music	Movie
Support	○	○	○

During playback, whenever press the repeat, repeat section will be changed as below

```
File —— All —— None
```

MUTE 🔇

Mode	Photo	Music	Movie
Support	○	○	○

Press "**MUTE**" once and the system will mute, press it again and sound will be restored.

Info : Display the file information INFO

Mode	Photo	Music	Movie
Support	○	✖	○

During playback, press info to appear file information of the playback.

Goto time : Move to the playback time TIME

Mode	Photo	Music	Movie
Support	✖	○	○

The user select any time of playback by selecting Goto time mode on playback file. Select Hour/Minute/Second as your taste by the number on the remote control as the picture shown below. The playback will move to the selected time.

```
0   0  0   0  0   0          0   0  0   0  1   0
```
Hour   Minute   Second   **Insert 10sec, the file will move to the 10secs playback screen.**
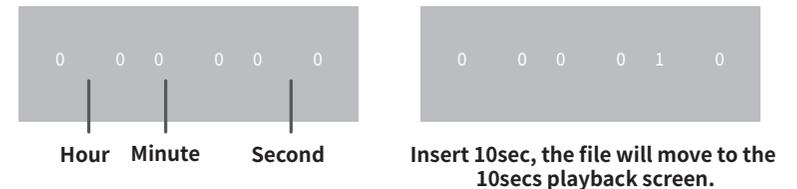
SET A-B : Repeat A segment to B segment 🔁

Mode	Photo	Music	Movie
Support	✖	○	○

Press "**A-B**" and the system will repeatedly play the segment between two selected points in the file. The starting point for the repeated segment will be the point where you pressed "**A-B**" for the first time, and the end point for the repeated segment will be the point where you pressed "**A-B**" for the second time. The OSD will display **A-B** Repetition and the chosen segment will be played continuously. Press the "**A-B**" button once again and the system will go back to normal playback.

Aspect ratio ZOOM

Mode	Photo	Music	Movie
Support	○	✖	○

Press the zoom button to adjust aspect ratio of screen.
The screen will be changed as below

```
Wide → Zoom → Normal → Cinema
```

Rotate : Rotate the image file. 🖼️🖼️

Mode	Photo	Music	Movie
Support	⭘	✖	✖

Select 90 Rotate on the left side, the image will rotate 90degrees to the left(clockwise)

Select 90 Rotate on the right side, the image will rotate 90degrees to the right(counter-clockwise)

ZOOM : Enlarge/Reduce the file on the screen. 🔍🔍

Mode	Photo	Music	Movie
Support	⭘	✖	⭘

The image or video file will be showing in bigger or smaller when selected ZOOM Enlarge /Reduce mode. The file will be Enlarge or Reduce by up to 150%~200% on original image.
(This function will be limited on video playback)

Move View : when enlarge the image, the image will move to the up/down/left/right side. 🔀

Mode	Photo	Music	Movie
Support	⭘	✖	⭘

Enlarged image will move to the up/down/left/right side by arrow button.

Subtitle 💬

Select subtitle display on or off.

Mode	Photo	Music	Movie
Support	✖	✖	⭘

Background music 🎵

Enjoy the background music in the picture mode.

Mode	Photo	Music	Movie
Support	⭘	✖	✖

Slide show 🖼️

Select slide show on or off.

Mode	Photo	Music	Movie
Support	⭘	✖	✖

Display time of picture image. 🖼️

In the picture mode, adjust display time of each file as below.

Mode	Photo	Music	Movie
Support	⭘	✖	✖

Repeat on and off 🔁🔁

During playback, playback all files in the folder.

Mode	Photo	Music	Movie
Support	⭘	✖	⭘

USB port usage caution

■ Precautions for using the USB port

- Some USB device might not be supported. It depends on the the specifications of the device.
- If the USB storage device is connected through a USB hub, the device is not recognizable.
- An USB storage device using an automatic recognition program might not be recognized.
- The recognition speed of a USB storage device may depend on each device.
- Do not unplug the USB device while the music/movie/pictures are playing.
  Stop the playback first, otherwise the files may be corrupted.
- Connect power to a USB storage device which requires an external power supply. if not, the device
  might not be recognized.
- Connect an USB storage device with cable is offered by USB maker.
  If the connected cable is not offered by USB maker or an excessively long cable, the device may not be recognized.
- Please backup important files because data on USB device might be damaged. Data management is
  consumer's responsibility and as a result, the manufacturer does not cover the data damage.
- Searching time may be longer when files are located in many sub folders.
- This device does not support saving files to the USB Storage.
- Folder or file name is limited to 100 words.
- If the USB storage device requires high voltage more than 800mA or 5V, it might not be recognized.

■ Supported File Formats

Photo	File Format	JPG / BMP / PNG
Music	File Format	MP3
	Codec	MPEG Layer I, II, III
	Rate	Bit Rate : 32K ~ 320Kbps Sampling Freq : 8: ~ 48KHz
Movie	File Format	AVI/ dat/ vob/ mpg/ mp4/ mkv/ flv/ mov
	Video Codec	MPEG-4 MPEG-1,MPEG-2, AVC
	Audio Codec	MP3, PCM, AAC
	Resolution	1920x1080p @ 30fps
	Bit Rate	20 Mbps
	Subtitle	SAMI (*.smi)
Text	File Format	TXT
	Encoder	UNICODE, ANSI
Mass Storage	USB	USB 2.0 (FAT 32, NTFS)

Unit Specifications

Power	DC 12V
Screen Format	16 : 9
Screen Resolution	1024 X 600(WSVGA)
HDMI Input	1 EA
USB Input	1EA
Video input	1EA
AV Output	1EA
Remote control	Yes
Dimension	12.4"(W) X 9"(D) X 1.7"(H) / 316(W) X 230(D) X 45(H) mm

Terms and Conditions of Warranty

For systems purchased and installed AFTER vehicle registration, warranty is limited to 3 years or 100,000Km Whichever is earlier from the date of installation.

This Warranty is subjected to the following terms and conditions:

1. All servicing and repairing, if any, shall be carried out by TCEAS, TCAT and its authorised workshops or service outlets.

2. Any warranty service or repairing will be done upon presentation of a valid warranty book duly stamped or signed by any authorised Tan Chong Representative.

3. This warranty does not cover any damage caused by improper or negligent use, accident, Acts of God, alterations or repair by unauthorised party or parties, hence no claims shall be entertained by TC AUTO TOOLING SDN, BHD(TCAT).

4. This warranty does not cover the cost of accidents, theft or fire caused indirectly by the system, In such cases, TCAT shall not be held accountable.

5. Warranty shall be void if the serial number sticker on the system is removed or defaced or in the opinion of TCAT that it has been tampered with.

6. This warranty shall be limited only to the cost of repair or replacement of the defective parts and shall not cover any other such incidental costs incurred to the user.

Owner's Name	Vehicle Registration NO.
Tel No.	

Owner's Address :	Delivery Date :
Vehicle Model :	Chassis No :
Engine No :	Serial No :

Selling Branch or Dealer's Name and Address
(chop and sign)

I have clearly understood and accepted the terms and conditions of this warranty for the purchase of this system and i hereby confirm the system as delivered to me is in good condition.

Date: .... Signature: ....