

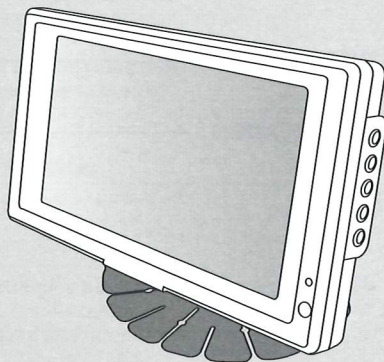
# CM-708R

7" TFT LCD COLOR MONITOR



## INSTRUCTION MANUAL

Thank you for purchasing this product.  
For proper usages and application,  
Please read this instruction manual thoroughly.





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# SAFEGUARD INSTRUCTIONS

7" TFT LCD COLOR MONITOR

Please read the "Safety Rules" carefully before using this product. Following the safety rules prevents users from damages related with the misuse of the product. It is very important to follow these safety rules. We state "Caution" and "Warning" to clarify any potential risk for a damage associated with the misuse of the product.



## CAUTION

This information is for preventing damage or shorten the life time of the products.



## WARNING

This information is for preventing bodily harm or even death and use should follow this safety rules.

## CAUTION



**Should install while power off. (After install products, connect DC jack)**

--- It may cause to electronic shock or malfunction.



**While stop driving (parking), set the car in motion.**

--- It may cause battery discharge.



**Do not use multi socket or extended adaptor.**

--- It may cause unexpected heating, fire and malfunction.



**Unplug product when do not use for a long time.**

--- It may case fire by short circuit due to heating.



**Do not place near magnet.**

--- It may cause malfunction and trouble.



**Do not push a LCD panel.**

--- It may cause LCD broken.



**In case of inserting battery, attend to polarity and insert according to direction.**

--- When wrong inserting, it may cause fire, damage by explsn.














**The battery for remote controller is not rechargeable and should replace same or similar model. Used battery may cause environmental pollution, so trash it carefully.**

--- This may cause a malfunction and problem.

## **WARNING**

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-  **Do not put the product in place where sudden temperature increasing and should use on optimum voltage, temperature and humidity**  
--- It may cause to electronic shock or malfunction.
-  **Do not get product wet and operate with wet hands.**  
--- It may cause to electronic shock or malfunction.
-  **Do not place where interfere with visual field and watch or operate monitor during driving.**  
--- It may cause traffic accident.
-  **Keep clean dust on power socket.**  
--- It may cause electronic shock and fire by bad connection.
-  **Do not pull cord with a jerk, should catch a plug and pull.  
Do not use damaged cord.**  
--- It may cause cord malfunction, electronic shock and fire.
-  **When clean exterior, power off and wipe with dry cloth.**  
--- Wet cloth may cause a electronic shock.
-  **Do not clean exterior with volatility or oily solvent.  
Neither keep touching rubber and plastic for long time.**  
--- It may cause change of surface, fall of paint, malfunction and fire.
-  **Do not place where vibration and shock.**  
--- It may cause throw down and then malfunction and accident.
-  **Do not put a pin or needle on the hole or crack in the body.**  
--- In case of inserting them, stop to operate, it may cause electronic shock, fire and malfunction.
-  **Do not use in problem condition as like smoking, smell something burn.**  
--- It may cause fire. Stop to use and make inquiries to agency.
-  **Do not disassemble, repair and remodeling.**  
--- It may cause malfunction and injury, can not get warranty.  
--- Make inquiries to agent for repair and checkup.

## 1

**FEATURE**7" TFT LCD COLOR MONITOR

---

- 8bit MICRO controller
- TFT LCD with high resolution and low reflection
- All functions are displayed on screen (OSD function)
- PWM volume control
- Mode selection function
- Low energy consuming rate
- Language Display Selection (KOR-JPN-GER-ENG-SPA-FRE-ITA)
- 4 Screen Mode (FULL-WIDE-NORMAL-CINEMA)
- Free voltage (From DC 12V to DC 24V)
- Dimmer selection function

## 2

**BOX CONTENTS**7" TFT LCD COLOR MONITOR

---

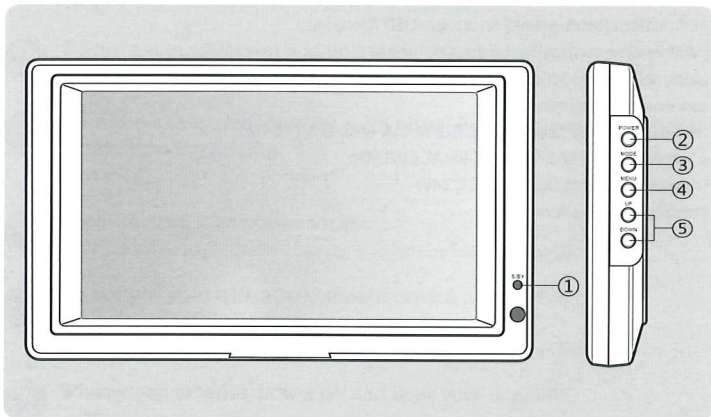
**Monitor****Stand****Monitor Cable****TRG  
Extension Cable****Cigar Cable****Manual****Remote Control**

# 3

## FUNCTION OF EACH PART

7" TFT LCD COLOR MONITOR

[ MONITOR ]



① S/BY LED

Power or Stand-by status display

② POWER

Power ON/OFF button

③ MODE

CAM1/CAM2/AV selection function

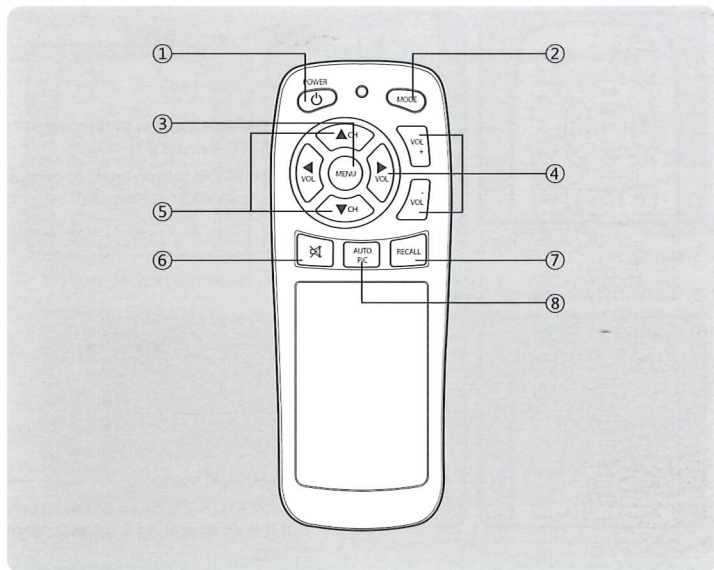
④ MENU

SETUP/PICTURE selection function

⑤ UP/DOWN

SOUND/MENU level control

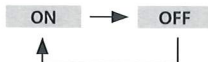
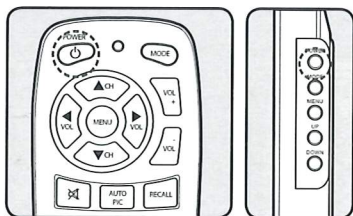
## [ REMOTE CONTROLLER ]



- |                  |   |
|------------------|---|
| ① POWER          | Power ON/OFF button                             |
| ② MODE           | Selecting CAM1/CAM2/AV                          |
| ③ MENU           | Selecting MENU and changing functions           |
| ④ VOL ◀▶ (VOL+-) | Changing volume or MENU level                   |
| ⑤ CH ▲▼          | Moving Up/Down on MENU                          |
| ⑥ MUTE           | Mute mode On/Off                                |
| ⑦ RECALL         | Displaying the current channel and volume level |
| ⑧ AUTO PIC       | Adjusting the screen setting                    |



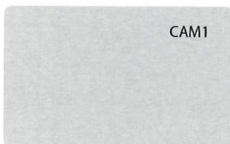
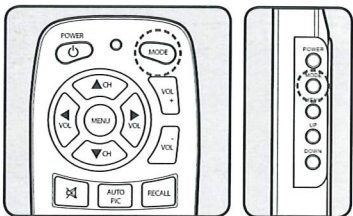
## 1 POWER



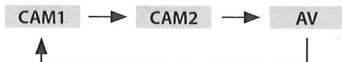
- 1) Press [POWER] button to the power. (STAND BY state is OFF)
- 2) Press [POWER] button again to off the power. (STAND BY state is ON)

## 2 MODE

• It is a function to change video signal.

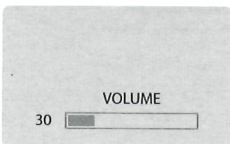
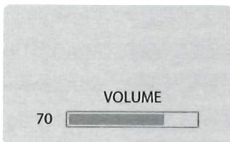
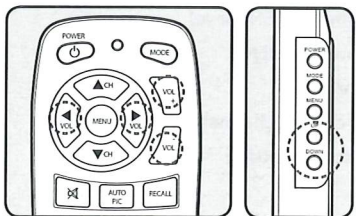


- 1) Press [MODE] button.
- 2) CAM1/CAM2/AV appears on the screen and it is disappearing 5 seconds after setting.



## 3 UP/DOWN

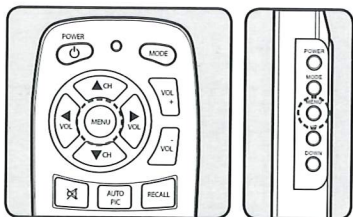
• Press VOL◀▶ (VOL+/-) button on remote control or UP/DOWN button on monitor to adjust volume.





#### 4 MENU

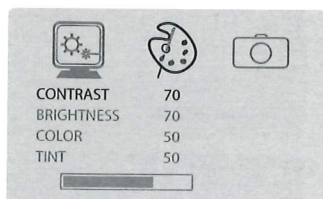
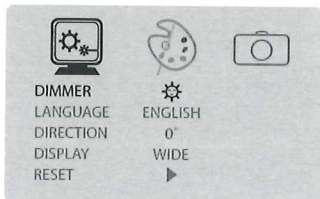
- It is a function to select MAIN MENU (SETUP/PICTURE/CAMERA)



- 1) Press [MENU] button to select MAIN MENU, changed color in red when it is selected.



- 2) Press [MODE] button to select SUB MENU, UP/DOWN button to change SUB MENU.

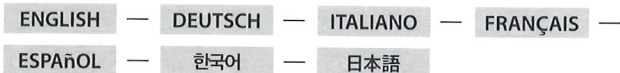


#### [ 1. SETUP ]

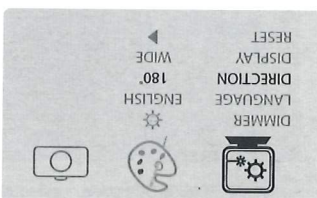
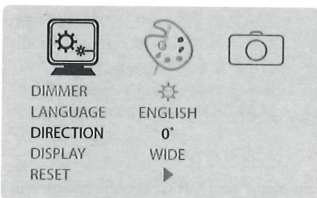
- DIMMER



- LANGUAGE



- DIRECTION



• DISPLAY

WIDE

NORMAL

CINEMA

FULL

• RESET ►

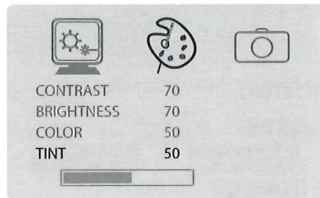
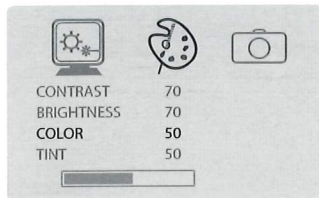
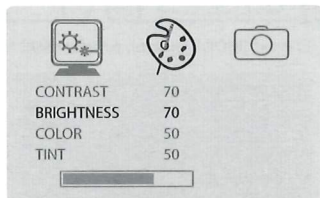
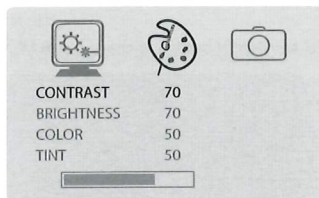
A factory default reset will clear all of OSD information.

[ 2. PICTURE USER ]

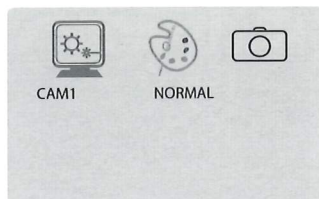
1) MODE button to select CONTRAST, BRIGHTNESS, COLOR, TINT MENU.

(Selected menu in red)

2) Push VOLUME UP/DOWN button to change the settings of the diferent menu points.



[ 3. CAMERA ]



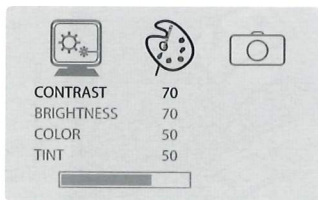
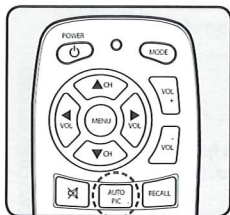
1) Press the mode button to choose CAM1; CAM 2 will turn red.

2) Press the VOLUME UP, DOWN button. NORMAL/MIRROR sign will be appear in order to adjust the screen to the right or left or to reverse the image. NORMAL/ MIRROR signal will turn RED.

\* NOTICE : If MIRROR mode is selected, the right and left of screen image will be reversed. However, any letters will not be reversed.

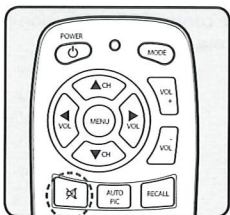
## 5 AUTOPICT

- When press the AUTO PIC button, PICTURE SETUP menu is displayed on screen.



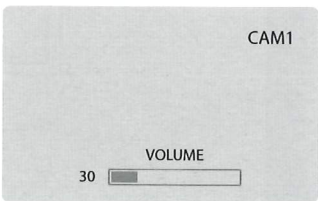
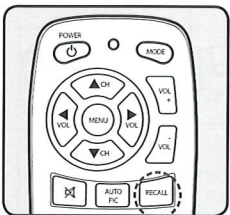
## 6 MUTE

- This function can be operated by the remote control.



- 1) Press [MUTE] button to mute sound and display mute icon.

## 7 RECALL

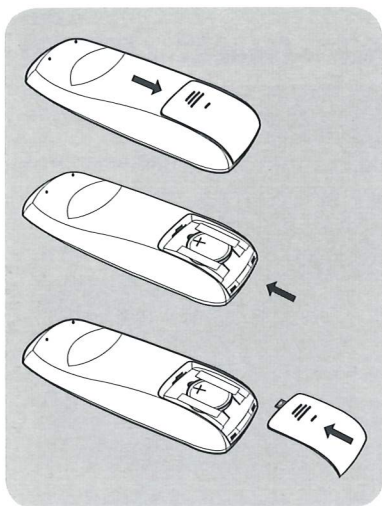


- 1) Press [RECALL] button to check the MODE and Volume.

## 5

**CHANGING REMOTE CONTROL BATTERY**

7" TFT LCD COLOR MONITOR



1. Pull the battery cover to the direction of the arrow.

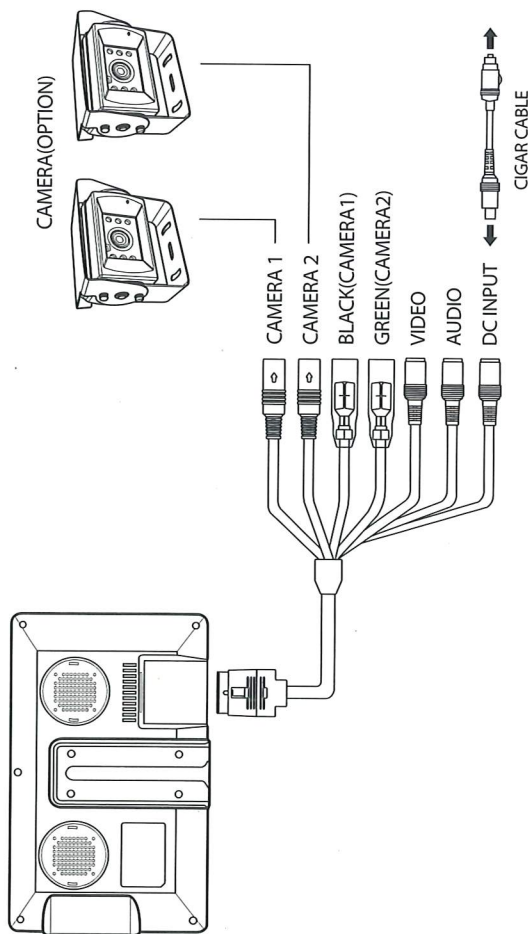
2. Place a battery with the (+) sign upward. (No. CR2025)

3. Put the battery case back into the remote control in the direction of the arrow.

## 6

## CONNECTIONS

7" TFT LCD COLOR MONITOR



BLACK (CAMERA 1, Priority) FOR REAR VIEW

Connect this line to "+" of reverse light lamp.

GREEN (CAMERA 2) FOR SIDE VIEW

Connect this line to "+" of side light lamp.

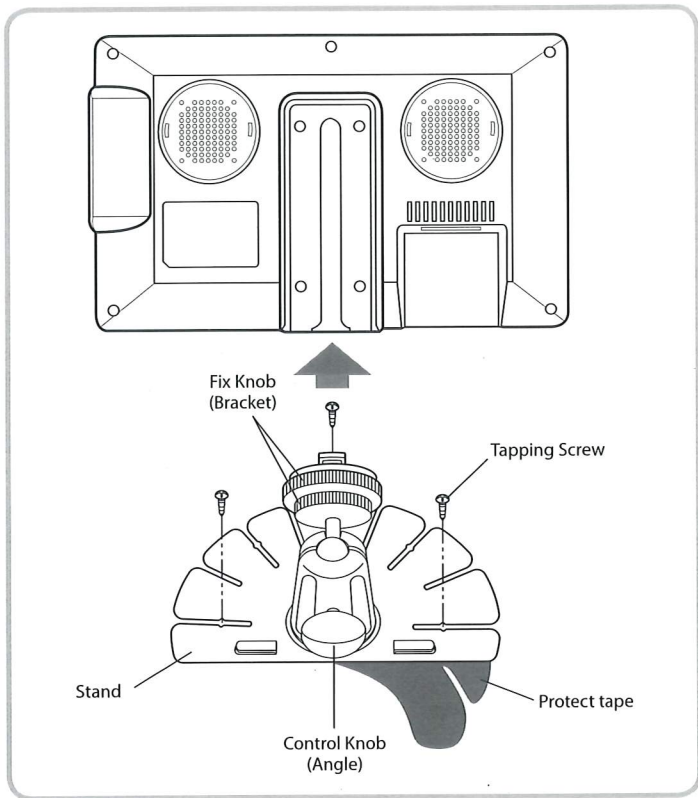
\* Winker function : In case of disconnection of signal, screen turn to former mode after 5 seconds.

## 7

## INSTALLATION

7" TFT LCD COLOR MONITOR

- (1) Please set the place for Monitor installation. Clean the place where to install stand and install stand firmly after removing protect tape of stand bottom.
- (2) Fix the stand with enclosed screws.
- (3) Assemble the monitor to stand and fix it in the right angle.
- (4) Connect cable as follows.



| ITEM                  |                              | SPECIFICATION                          |            |
|-----------------------|------------------------------|--|------------|
|                       |                              | NTSC                                   | PAL        |
| LCD PANEL             | SCREEN SIZE                  | 178.8 mm (7.0 inch)                    |            |
|                       | DISPLAY FOMAT                | 480(H) x 3(RGB) x 234(V)               |            |
|                       | DOT PITCH                    | 0.107(W) x 0.370(H) mm                 |            |
|                       | BRIGHTNESS                   | 500 cd/m <sup>2</sup>                  |            |
|                       | ACTIVE AREA                  | 154.08 (W) x 86.58 (H) mm              |            |
|                       | VIEW ANGLE                   | 60°(L) / 60°(H) / 40°(U) / 60°(D)      |            |
| POWER SUPPLY          | VOLTAGE                      | DC 12V - 24V                           |            |
|                       | CONSUMPTION                  | 500mA (DC 12V, Monitor Set Only), 6.0W |            |
| INPUT SYSTEM          | AUTO (NTSC/PAL)              |  |            |
| FREQUENCY             | HORIZONTAL                   | 15.734 Khz                             | 15.625 Khz |
|                       | VERTICAL                     | 60 Hz                                  | 50 Hz      |
| VIDEO INPUT SIGNAL    | Composite Video 75Ω 1Vp-p    |  |            |
| OSD DISPLAY           | 7 Language                   |  |            |
| OPERATING TEMPERATURE | -10°C ~ 60°C                 |  |            |
| STORAGE TEMPERATURE   | -20°C ~ 70°C                 |  |            |
| DIMENSION             | 201(W) x 117(H) x 30.7(D) mm |  |            |
| WEIGHT                | 450g                         |  |            |

\*\* The design and specifications of this product in order to improve its quality may be changed without notice.