

#### FCC TEST REPORT Report No.: EMC-FCC-R0078

Appendix 6.		
	User manual	

# Rearview Monitor Model: RVM-804

#### USER MANUAL (Ver 1.0)

#### **Table of Contents**

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- Thank you for purchasing our touchscreen vehicle monitor.
- Please read this manual before you use the product.
- The product may be different than described in the manual; depending on renewal and/or upgrade of S/W version and performance it can be altered without notice.

Home page: Product inquiry:

#### 1. Caution



- For your safe operation, please read this manual before you start to use the product. We inform you that our company shall not be responsible for failures and troubles that are occurred due to misuse or neglect of the cautions written on this manual.
- Operating this equipment when driving a vehicle might cause an. accident. Use the equipment after parking or stopping the vehicle in a safe area.
- When wiping off the dust, use a soft fabric instead of liquid solvents (thinner, benzene etc.) solution or a wet rag.
- Do not press the liquid crystal screen hard. It might be damaged by hard pressure.
- Do not drop or give shock. It might cause breakdown or damage.
- Do not dismantle the product arbitrarily. We do not supply free after service for an arbitrarily dismantled product.
- Touching the power with a wet hand causes electric shock.
   Caution required.
- For accessories or cables to connect with the product, it is recommended to use proper goods from our company. We are not responsible for any problems caused by wrong articles.
- Do not disconnect the power cable during using the product. It might cause damage to the product.
- Please conform the failure of the User's Guide and precautions, If a fault occurs in the operations.
- # Amplified explanation is as follows.
- Caution: This part inform what to keep in mind or understand and what caution is required to use the product.
- Ref(reference): Reference is about functional explanation.

#### 2.Components of the product



# ①Touch Screen

- By touching one of the small picture during multi screen mode, the concerning small picture will be enlarged into full screen mode.
- By touching the screen it is possible to control the equipment or to change the settings.

## ②Power On/Off

- Press the power button for 0.5 seconds to turn on the screen.
- Press the power button for 0.5 seconds to turn on the screen when it is turned on.

## 3illuminance sensor

 Behind this window a sensor detects the actual light conditions in the area around the screen. When activated via the menu settings, this sensor automatically controls the brightness of the screen. (Day/Night control)



# 4 Bluetooth phone menu On/Off

• Bluetooth phone menu screen appears when you touch the button.

# 5 LCD Display On/Off

• Lcd screen appears when you touch the button.

# ⑤ Split Screen

A split screen appears.

# 7 Menu Button

• The main menu appears.

#### Rear Panel



# ①Power Input

● Connect the power cable. ( VCC/GND/TRG1~TRG5/Speed SW )

# ②Camera Input

● Connect the camera cable. ( Cam1 ~ Cam4 )

## 3 AUX In

• AUX in 2 port

## 4 Ext. MIC / Speaker

• Connect an external mic and speake..

#### Components

- Please check that you have the correct contents before using this Product.
- If any items are missing, please contact your dealer.





Top Case

Bottom Case



Manual



Power + Camera Cable

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

# 3. How to use the product

#### Start screen

 When the booting is ready, the multi screen as below will be displayed

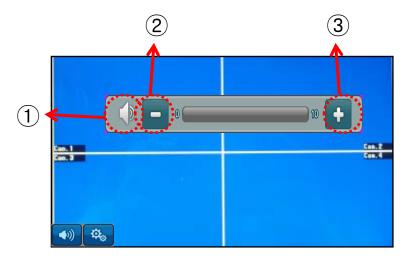
When the small window is touched, it is enlarged.

- When the small window on the multi screen are touched, the channel is enlarged into full screen mode. One more touch returns it back to the multi screen mode.
- Adjust the volume of the speaker.
- Setting menu.

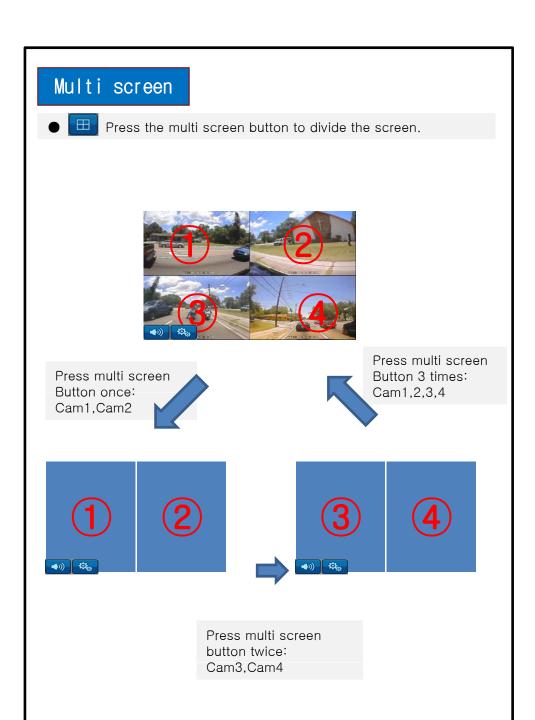
.

# Volume Control

Press the button to display volume Pop-up.

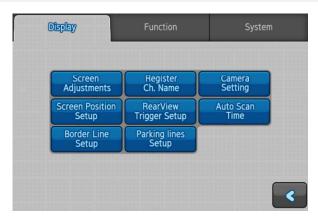


- 1) Press the button to mute.
- 2 Press the button to increase the volume.
- 3 Press the button to decrease the volume.



# Setting Mode

Press the setting menu button to open the setting screen.



#### Screen Adjustments

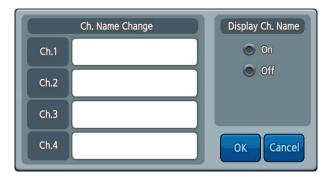


- CAM : Adjust brightness of Camera input screen
- AUX : Adjust brightness of AUX screen

# Display

Register Ch. Name

Input the name into each channel.



#### Camera Setting



Mirror: Mirror image or normal image

■ Reverse : Mirror image or reverse image

• Shutter: Enable to operate Shutter/Heater Camera

# Display

Screen Position Setup

Setup screen position of each channel

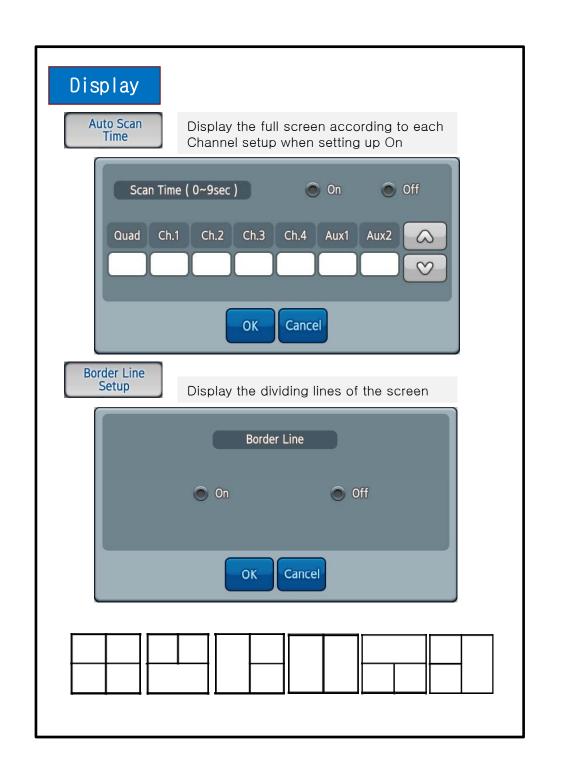


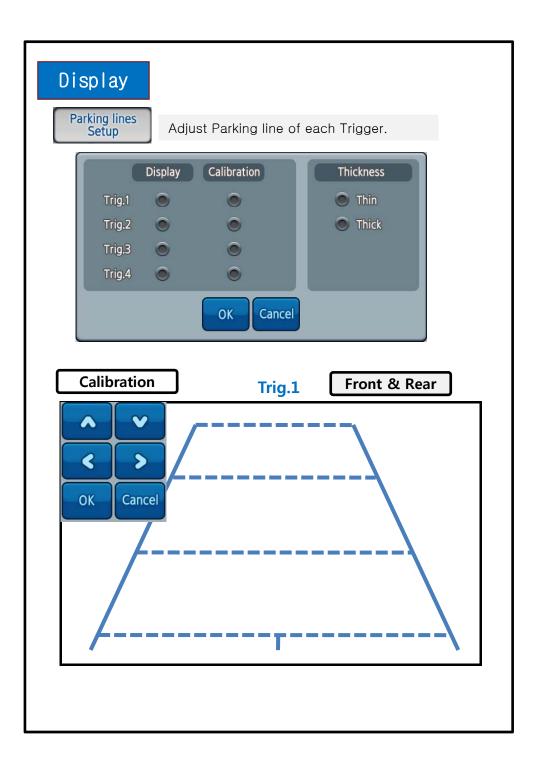
※ Caution: Cam1and AUX1 cannot be setup at the same time.

RearView Trigger Setup

Setup the screen on each trigger.









Auto Power

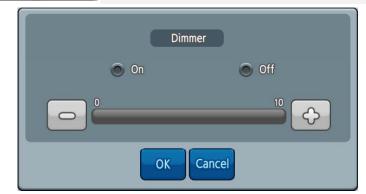
The screen is turned On automatically When starting the vehicle



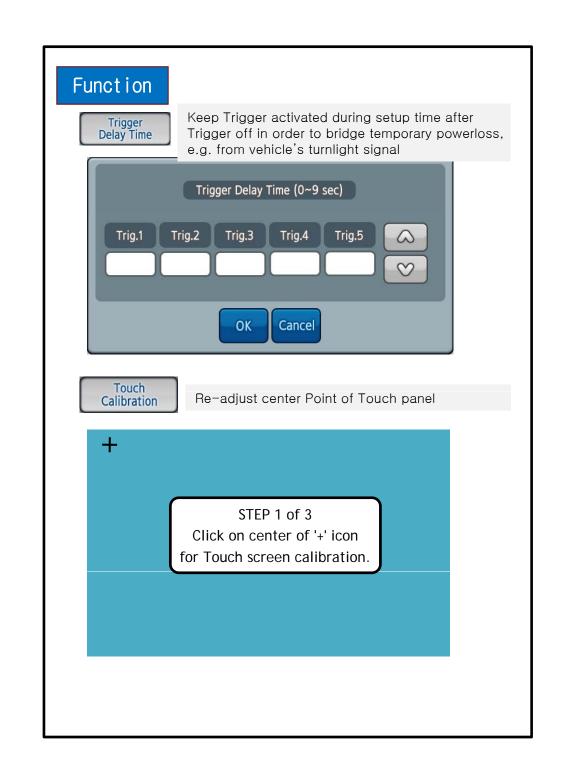
전원 Off 전의 화면Mode로 On됩니다.

Dimmer

Automatic brightness adjustment by sensor in the front housing



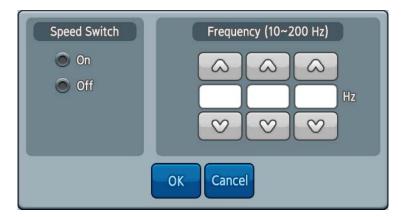
Sensitivity of automatic brightness adjustment, level 0 to 10 controlled by actual light conditions (Day/Night)



## Function

Speed Switch Setup

Detect speed of a vehicle from 10 to 200Hz



Speed Switch Display To switch automatically into the screen ON mode, by detecting a speed signal (tacho signal)



## System

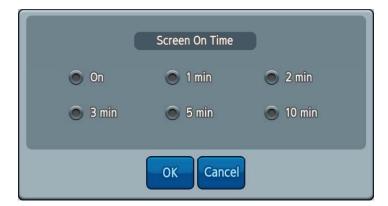
Menu Display Time

Set time displaying the Menu screen.

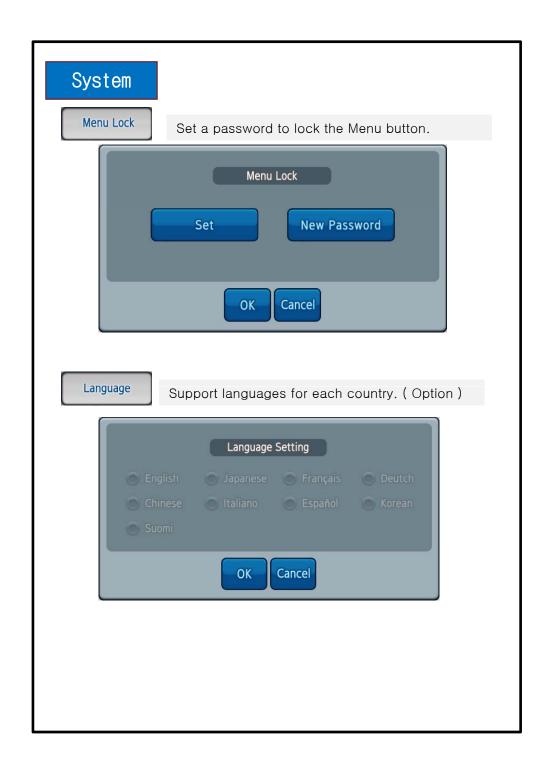


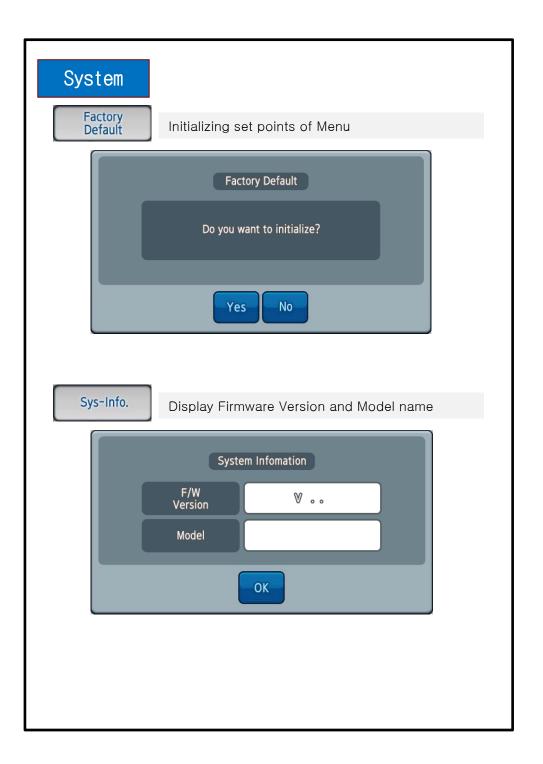
Screen On Time

Set time displayed on the screen.



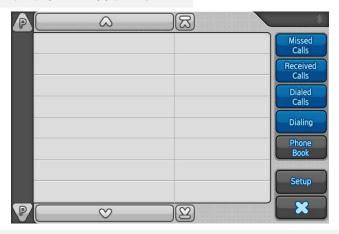
설정시간 동안 Touch등 Key 입력이 없으면 화면이 꺼집니다.





Press the button to start Bluetooth.

#### Screen of Bluetooth start



Start-up screen displays the Phone Book list of phone paired.



: Displays call lists during absence.



: Displays phone call lists received.



: Displays phone call lists sent.



: Use for making a call dialing numbers.



: Displays a Phonebook list.



: Setup of Bluetooth.



: Finishes Bluetooth.

● Enter the Pairing Mode for Paring with Bluetooth by pressing the Setup button



- 1. Pairing mode is set by pressing the button.
- 2. Connect Bluetooth to a cell phone you want searching Bluetooth device. (Enter the Pin code depending on type of cell phones)
- 3. Message is displayed when it is connected as below.



4. Return to the start-up screen of Bluetooth by pressing the button.





- \* Display devices paired up to 8 devices
- Displays devices paired
- Deletes devices connected by the
- Connects devices by pressing the
- Deletes all devices by pressing the All Delete button

Del button

Connect button

All Delete button

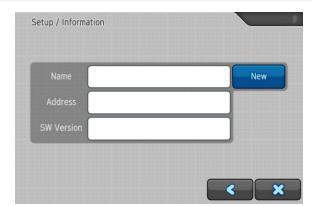
< Devices paired are connected automatically in order >

Auto Answer

:Connection automatically when receiving a call



• Incoming call automatically after a set time when receiving a call from the set on the state.



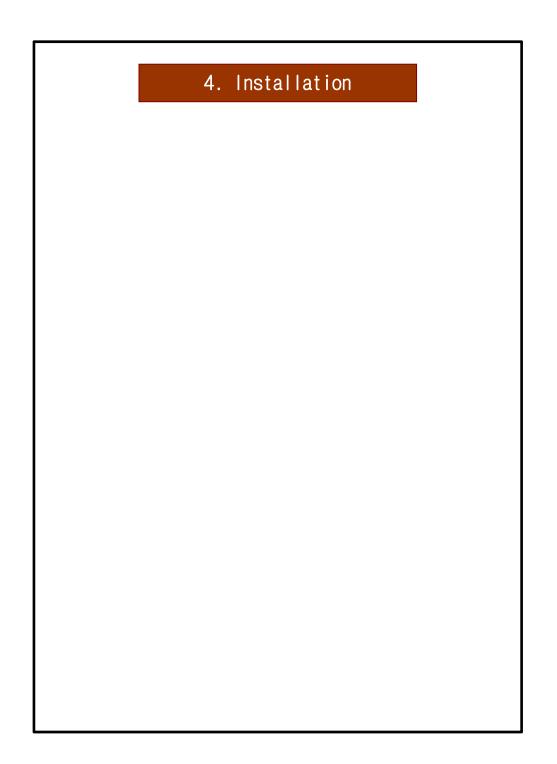
- •Name: Phone on display during Pairing is the name of that instrument.
- Address : Bluetooth Address.
- Bluetooth Soft ware Version is displayed.

• Down load phonebook list after pairing succeed.



•Call after press the number in the list.





#### 6.Specification

- LCD: Built in 8" TFT LCD (WVGA 800x480, with Touch Panel)
- Camera: 4Ch input (1 Vp-p, 75Ω) /NTSC, PAL (Video & Audio)
- Audio Output 1Ch
- AUX1, AUX2
- Trigger 5 input (Cable Input : 12 ~ 24V)
- ALS Sensor (Night & Daytime Brightness detection)
- Power: 12~24Vdc (12Vdc 1.3A)
- Operating Temp. : -20'C ~ 55'C
- Storage Temp. : -30'C ~ 85'C
- Dimensions (W x H x D) : 218mm x 150mm x 59mm
- Weight : 약 1775g

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT: SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.