

Operation Description



Rearview Monitor
Model : RVM-804

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.

⑥ Split Screen

- A split screen appears.

⑦ Menu Button

- The main menu appears.

Rear Panel



① Power Input

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

② Camera 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



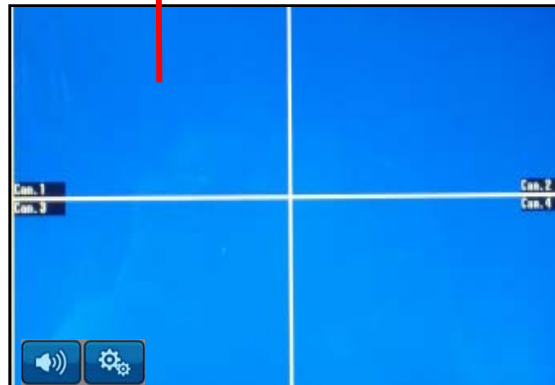
Power + Camera Cable



3. How to use the product

Start screen


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

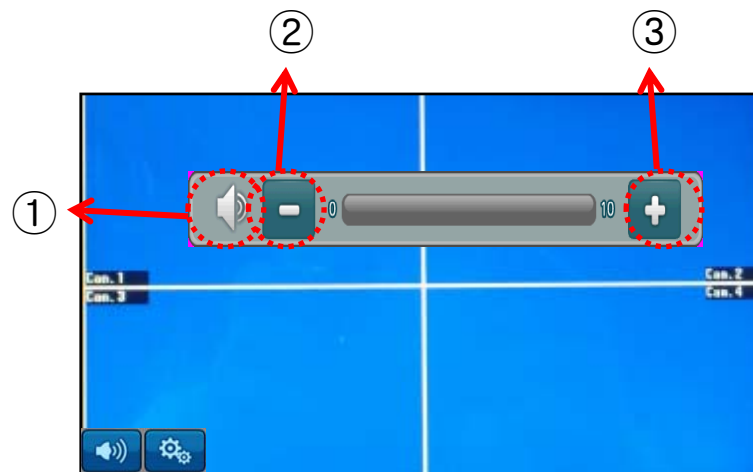
When the small window is touched, it is enlarged.



- 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.

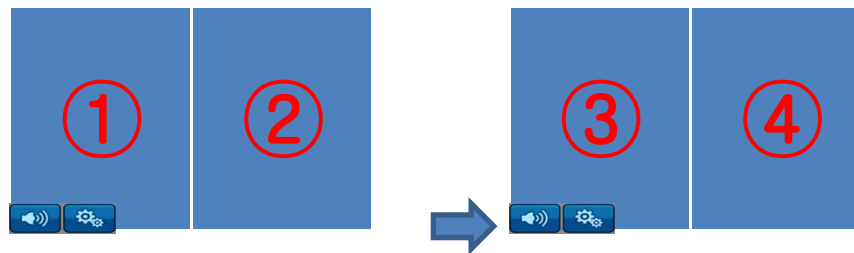
Multi screen

-  Press the multi screen button to divide the screen.




Press multi screen
Button once:
Cam1,Cam2

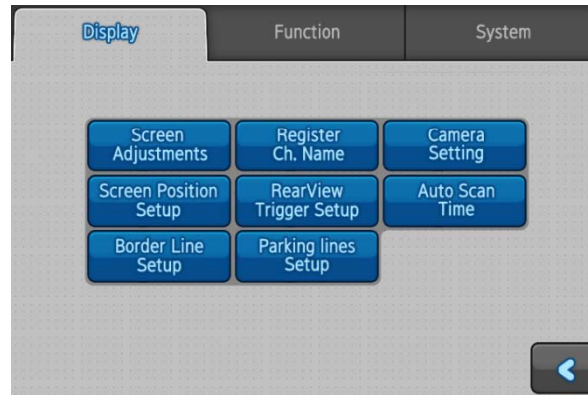
Press multi screen
Button 3 times:
Cam1,2,3,4



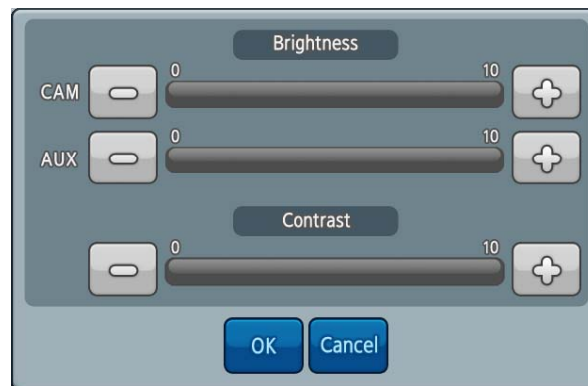
Press multi screen
button twice:
Cam3,Cam4

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.

Ch. Name Change		Display Ch. Name	
Ch.1	<input type="text"/>	<input type="radio"/> On	<input type="radio"/> Off
Ch.2	<input type="text"/>		
Ch.3	<input type="text"/>		
Ch.4	<input type="text"/>		
		<input type="button" value="OK"/>	<input type="button" value="Cancel"/>

Camera
Setting

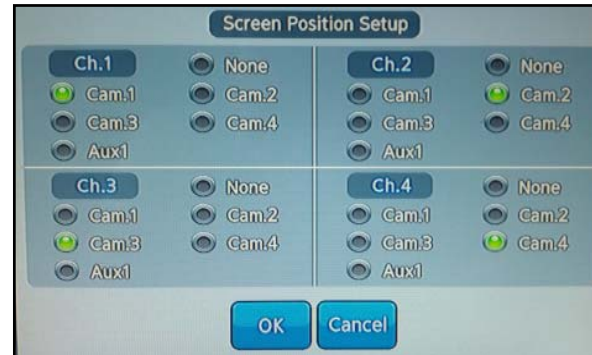
	Mirror	Reverse	Shutter
Cam.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cam.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cam.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Cam.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
		<input type="button" value="Yes"/>	<input type="button" value="No"/>

- 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



The 'Screen Position Setup' dialog box is divided into four quadrants for Ch.1, Ch.2, Ch.3, and Ch.4. Each quadrant contains five radio button options: 'None', 'Cam.1', 'Cam.2', 'Cam.3', and 'Aux1'. In the Ch.1 quadrant, 'Cam.1' is selected. In the Ch.2 quadrant, 'Cam.2' is selected. In the Ch.3 quadrant, 'Cam.3' is selected. In the Ch.4 quadrant, 'Cam.4' is selected. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Channel	None	Cam.1	Cam.2	Cam.3	Aux1
Ch.1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ch.2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ch.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ch.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

※ Caution: Cam1 and AUX1 cannot be setup at the same time.

RearView Trigger Setup

Setup the screen on each trigger.



The 'Trigger Settings' dialog box is divided into four quadrants for Ch.1, Ch.2, Ch.3, and Ch.4. Each quadrant contains five radio button options: 'None', 'Cam.1', 'Cam.2', 'Cam.3', and 'Aux1'. In the Ch.1 quadrant, 'Cam.1' is selected. In the Ch.2 quadrant, 'Cam.2' is selected. In the Ch.3 quadrant, 'Cam.3' is selected. In the Ch.4 quadrant, 'Cam.4' is selected. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

Channel	None	Cam.1	Cam.2	Cam.3	Aux1
Ch.1	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ch.2	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ch.3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Ch.4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Display

Auto Scan Time

Display the full screen according to each Channel setup when setting up On

Scan Time (0~9sec) ☐ On ☐ Off

Quad	Ch.1	Ch.2	Ch.3	Ch.4	Aux1	Aux2	↑
							↓

OK Cancel

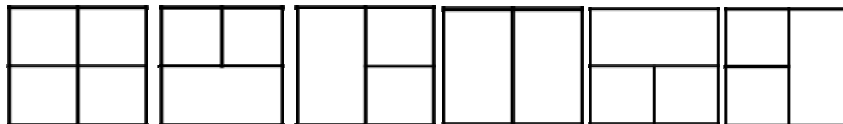
Border Line Setup

Display the dividing lines of the screen

Border Line

☐ On ☐ Off

OK Cancel



Display

Parking lines
Setup

Adjust Parking line of each Trigger.

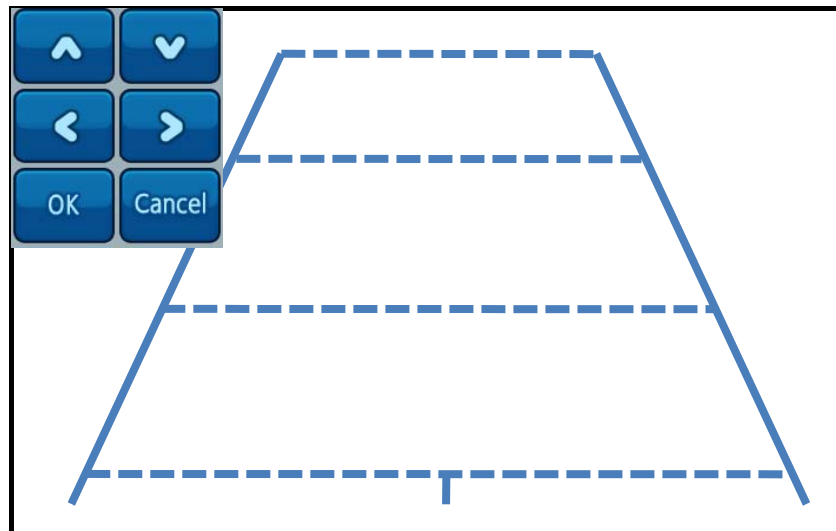
	Display	Calibration	Thickness
Trig.1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> Thin
Trig.2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/> Thick
Trig.3	<input type="radio"/>	<input type="radio"/>	
Trig.4	<input type="radio"/>	<input type="radio"/>	

OK Cancel

Calibration

Trig.1

Front & Rear



Function

Auto Power

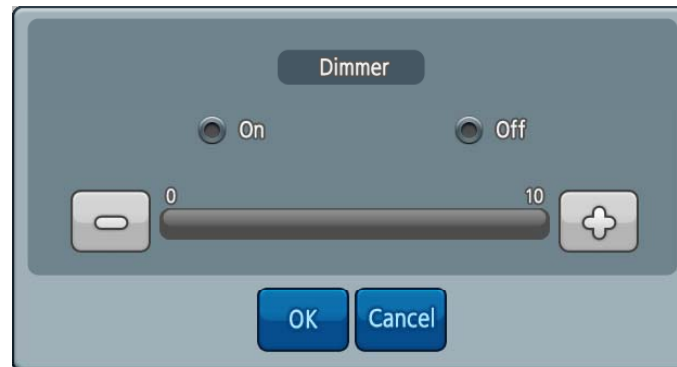
The screen is turned On automatically
When starting the vehicle



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

Trigger Delay Time

Keep Trigger activated during setup time after Trigger off in order to bridge temporary powerloss, e.g. from vehicle's turnlight signal

Trigger Delay Time (0~9 sec)

Trig.1	Trig.2	Trig.3	Trig.4	Trig.5	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="↑"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="↓"/>

Touch Calibration

Re-adjust center Point of Touch panel

+

STEP 1 of 3

Click on center of '+' icon for Touch screen calibration.

Function

Speed Switch Setup

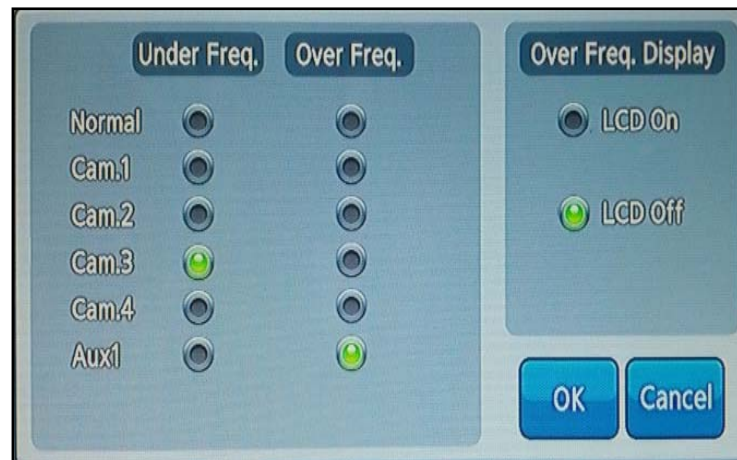
Detect speed of a vehicle from 10 to 200Hz



The screen is titled "Speed Switch" and "Frequency (10~200 Hz)". It features two radio buttons for "On" and "Off", with "On" selected. To the right is a frequency input area with three up/down arrow buttons and three empty boxes followed by "Hz". At the bottom are "OK" and "Cancel" buttons.

Speed Switch Display

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

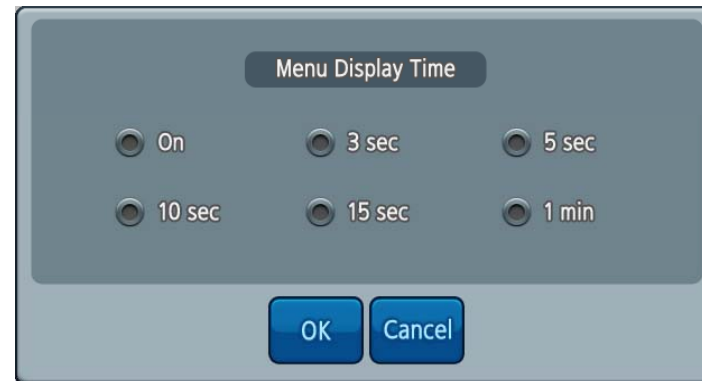


The screen is divided into three sections: "Under Freq.", "Over Freq.", and "Over Freq. Display". The "Under Freq." and "Over Freq." sections each have a column of radio buttons for "Normal", "Cam.1", "Cam.2", "Cam.3", "Cam.4", and "Aux1". "Cam.3" is selected in the "Under Freq." column, and "Aux1" is selected in the "Over Freq." column. The "Over Freq. Display" section has two radio buttons for "LCD On" and "LCD Off", with "LCD Off" selected. At the bottom are "OK" and "Cancel" buttons.

System

Menu Display Time

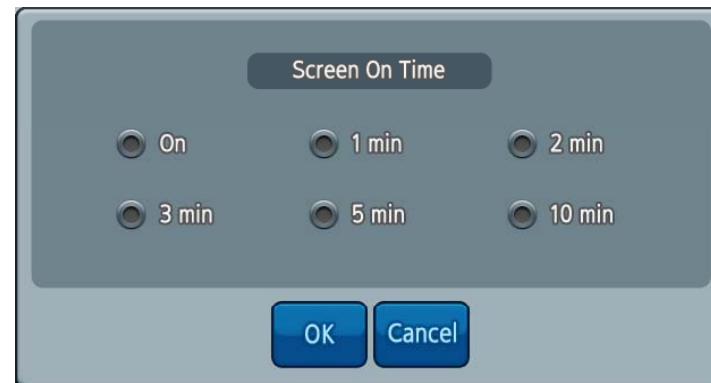
Set time displaying the Menu screen.



A dialog box titled "Menu Display Time" with a light blue background. It contains six radio button options arranged in two rows: "On", "3 sec", "5 sec" in the first row, and "10 sec", "15 sec", "1 min" in the second row. At the bottom, there are two blue buttons labeled "OK" and "Cancel".

Screen On Time

Set time displayed on the screen.



A dialog box titled "Screen On Time" with a light blue background. It contains six radio button options arranged in two rows: "On", "1 min", "2 min" in the first row, and "3 min", "5 min", "10 min" in the second row. At the bottom, there are two blue buttons labeled "OK" and "Cancel".

설정시간 동안 Touch등 Key 입력이 없으면 화면이 꺼집니다.

System

Menu Lock

Set a password to lock the Menu button.



A dialog box titled "Menu Lock" with a light blue background. It contains two blue buttons labeled "Set" and "New Password" in the center. At the bottom, there are two blue buttons labeled "OK" and "Cancel".

Language

Support languages for each country. (Option)



A dialog box titled "Language Setting" with a light blue background. It contains a grid of radio buttons for selecting a language. The languages listed are English, Japanese, Français, Deutsch, Chinese, Italiano, Español, Korean, and Suomi. At the bottom, there are two blue buttons labeled "OK" and "Cancel".

Language	Selected
English	<input type="radio"/>
Japanese	<input type="radio"/>
Français	<input type="radio"/>
Deutsch	<input type="radio"/>
Chinese	<input type="radio"/>
Italiano	<input type="radio"/>
Español	<input type="radio"/>
Korean	<input type="radio"/>
Suomi	<input type="radio"/>

System

Factory
Default

Initializing set points of Menu

A screen titled "Factory Default" with a central question "Do you want to initialize?". At the bottom are two buttons: "Yes" and "No".

Factory Default

Do you want to initialize?

Yes No

Sys-Info.

Display Firmware Version and Model name

A screen titled "System Information" with two input fields: "F/W Version" and "Model". The "F/W Version" field contains "V . .". At the bottom is an "OK" button.


System Information

F/W Version V . .

Model

OK








Bluetooth Phone

-  Press the button to start Bluetooth.

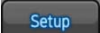
Screen of Bluetooth start



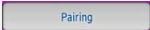
Start-up screen displays the Phone Book list of phone paired.

-  : 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.


Bluetooth Phone

- Enter the Pairing Mode for Pairing with Bluetooth by pressing the  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.

Bluetooth Phone

- Paired device : Displays devices Paired.



- * Display devices paired up to 8 devices
 - Displays devices paired
 - Deletes devices connected by the  button
 - Connects devices by pressing the  button
 - Deletes all devices by pressing the  button
- < Devices paired are connected automatically in order >

Bluetooth Phone



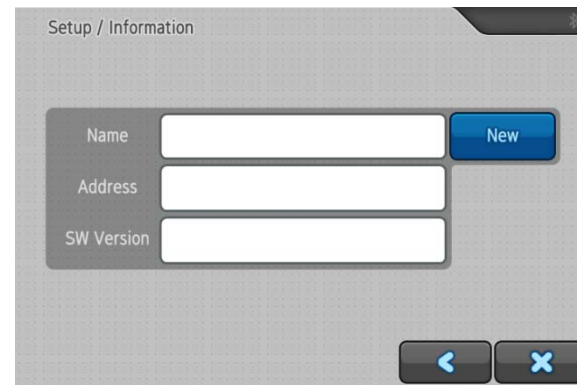
Auto Answer

:Connection automatically when receiving a call



Information

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



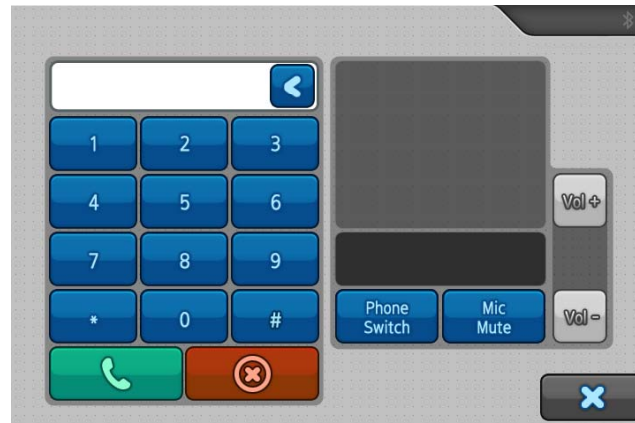
- Name : Phone on display during Pairing is the name of that instrument.
- Address : Bluetooth Address.
- Bluetooth Soft ware Version is displayed.

Bluetooth Phone

- Down load phonebook list after pairing succeed.



- Call after press the number in the list.



4. Installation

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 : 24Vdc
- 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