

# RMS 8424S Quick Start



- Standard 4 unit rack mount size
- 8 inch LCD×2
- 1024×3 (RGB) ×600
- 16:9 / 4:3 adjustable
- SDI/HDMI embedded audio output via 3.5mm earphone socket
- Support SDI/DVI audio output for speaker
- TALLY light for each LCD unit
- Underscan/Overscan switch
- Customer editable video title
- All input loop-through
- Auto-identify input format
- Auto input standard detection

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# Product Introduction

RMS 8424S is a 19" 4RU standard rack mounting LCD monitor, with 2 high resolution 8" LCD panels of independent input controlling, 1024x3 (RGB) x600, and wide viewing angle. Each LCD of RMS 8424S accepts 1 HD/SD-SDI, 1 HDMI, 1 composite video loop through output. Support SDI and HDMI embedded audio output and TALLY light control and display. RMS 8424S has a 2-pin pole 12V DC power connector for the 2 LCD panels.

The RMS 8424S is ideal for a wide range of

applications requiring monitoring of real time display or content with the highest quality. Because monitoring or preview the ready output content is secure and important for rental and staging, and broadcasting control, and with utilizing high definition monitoring in limit rack mount size are favored in this environments which room is very limitation and more info is required as possible.



**RMS 8424S Front Panel**



**RMS 8424S Back Panel**

# Packing Configuration

**Power Cord**



**Warranty Card &  
USB Files**



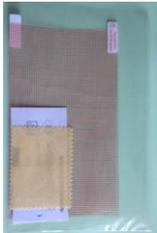
**Screw Driver**



**Antistatic Bag**



**Screen Film**



**QC Declaration**

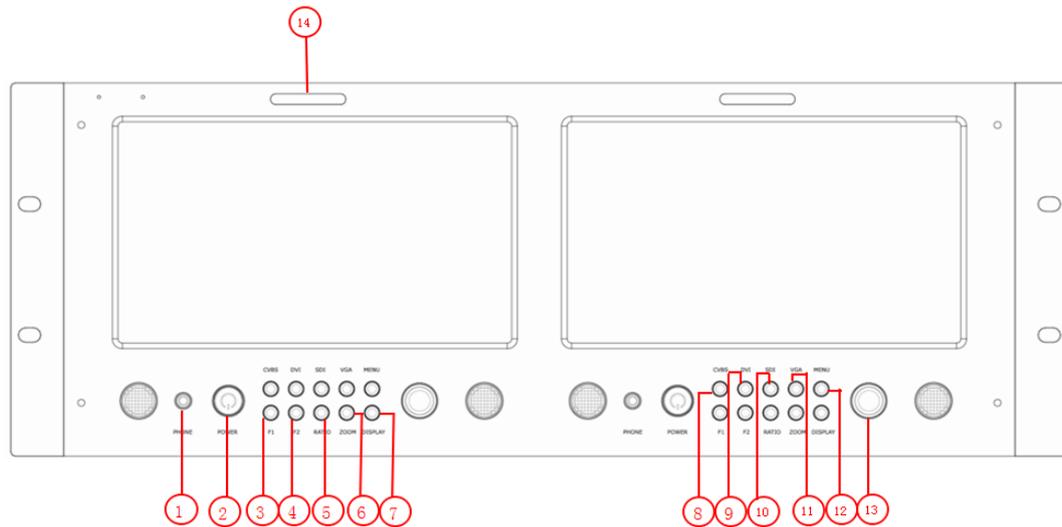


**Note:**

USB is contained on the Warranty/Registration Card. Please keep.

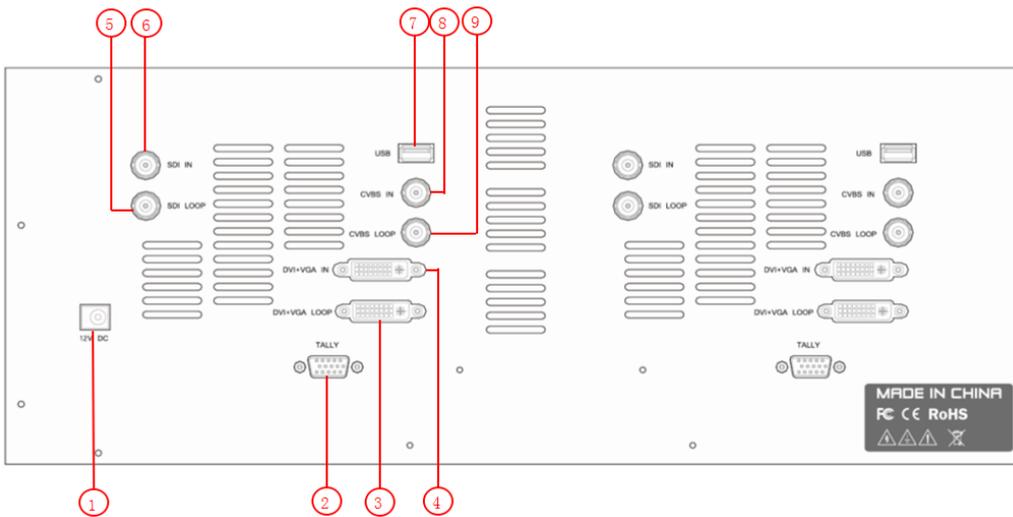
# Hardware Orientation

## Front Panel



Button Instruction			
1	3.5mm earphone jack	7	Display current settings
2	Power on/off indicator	8~11	Source button
3. 4	User defined function button	12	Menu button
5	Ratio button	13	Select and apply button
6	Zoom button	14	Tally light

# Back Panel



## Input Interface

4	DVI+VGA Input DVI-I port
6	3G-SDI input BNC port
8	CVBS Input BNC port

## Loop Out Interface

3	DVI+VGA Loop Out DVI-I port
5	SDI Loop Out BNC port
9	CVBS Loop Out BNC port

## other Interface

1	Power
2	TALLY Controlling Port
7	USB Interface USB-B

# Menu Operation

## Content

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- MENU
- System Submenu
- Picture Submenu
- OSD Submenu
- Display Submenu
- F Key Submenu
- VGA Setup Submenu

# MENU

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## Language setting

The language in menu is optional, it includes Chinese, English, etc. English is the default language.

Following is the operation for how to change English to Chinese, and the opposite applies as well.

1. Push the “MENU” button to enter to menu system.
2. Turn the knob to select “OSD” and push the knob to confirm.
3. Enter to “OSD” option to select “LANGUAGE” and push the knob to confirm.
4. Rotate the knob to change “ENGLISH” to “CHINESE”.
5. Push the “MENU” button to return to menu system.

## Submenu setting

1. Push the “MENU” button and it will display menu system.
2. Rotate the knob to select an item. The selected item will be highlighted display yellow. Push the knob ( select yellow ) to enter the selected item, rotate the knob to select the parameter.
3. Under menu system, push the “MENU” button to back to previous menu, then push the “MENU” button to exit.

# System Submenu



The System Submenu includes:

1. RATIO: Aspect ratio has two options, 16:9 and 4:3.
2. SCAN: “UnderScan” / “OverScan” selection.
3. ZOOM: “OFF”, “Zoom1” and “Zoom2” selection.  
Zoom1: Canon DSLR scale zoom-in.  
Zoom2: Pixel to Pixel zoom-in.
4. MARKER: Select and set the safe area scale from 80%, 85%, 90% 95% and user. In user mode, user can adjust the width, height, POS X and POS Y of the marker.
5. FLIP: Select “ON” and push the knob to flip the picture by 180°.
6. FAC RESET: Select “OK” to recover all to factory setting.
7. TITLE: User defined title.

Yellow is the selected letters, rotate the knob to select the letters, and push the knob to input.

Max 10 letters are supported. After setting, push the knob to confirm, the system will display the user defined title.

# Picture Submenu



The Picture Submenu includes:

1. CONTRAST: the adjustment range is 0~100.
2. BRIGHTNESS: the adjustment range is 0~100.
3. SATURATION: the adjustment range is 0~100.
4. SHARPNESS: the adjustment range is 0~100.
5. COL TEMP: Color temperature, the selections includes: cool, medium, warm and user.
6. PIC MODE: User defined and preset picture modes, including dynamic, standard, mild and user.
7. HUE: the adjustment range is 0~100 (Only available under CVBS NTSC input, other signal display gray and can not be adjusted).

# OSD Submenu



The OSD Submenu includes:

1. LANGUAGE: Can choose Chinese, English, etc.
2. H-POSITION: Adjust the horizontal position of the menu window, the adjustment range is 0~100.
3. V-POSITION: Adjust the vertical position of the menu window, the adjustment range is 0~100.
4. DURATION: Menu timeout setting, the adjustment range is 5-60s, choose "Off", it will automatically exit if no operation, system default "Off".

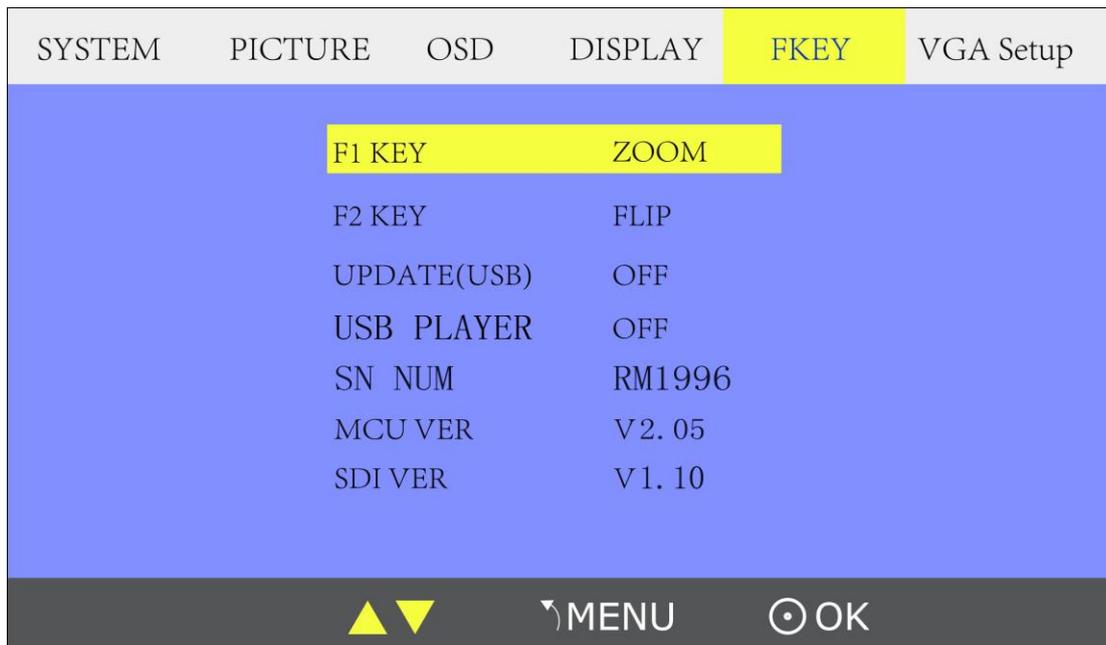
# Display Submenu



Enter to "DISPLAY" submenu, to set the following items:

1. INFO: Select "ON", screen will display input signal, "RATIO", "SCAN", "MARKER", "FLIP", "ZOOM" and marker set information at the up-left. Push the "F1" button to adjust the width of the marker, and push the "F2" button to adjust the height of the marker.
2. MARKER: Safe area. Select "ON", screen will display the safe area, and select "OFF" to close it.
3. TITLE: User edited title.
4. MODE: "DISPLAY" or "TP". Select and push "DISPLAY" option, screen will display the image. Select "TP" and push "DISPLAY", screen will display test pattern to check if LCD screen operate normally.
5. MARKER 4:3: Choose "ON", then 4:3 scale mark on image.
6. AUTO TP: Choose "ON", and open the auto test pattern function.
7. AUTO TIME: The auto switch time adjustment range is 5 to 30S.

## F Key Submenu



Enter to "FKEY" submenu, user defined F1/F2 functions. The available function items are:

RATIO: Aspect ratio switch.

SCAN: Underscan / Overscan switch.

ZOOM: Picture Zoom-in.

FLIP: Image flip.

PIC MODE: Preset picture mode switch.

CLR TEMP: Color-temperature switch.

BW/COLOR: Color / Black & white switch.

UPDATE (USB): Via USB input, enter to "Software Upgrade (USB)", and select "ON" can achieve upgrade software.

USB PLAYER: "ON" or "OFF", choose "ON", user can open USB player.

SN NUM: Display the serial number (For read only).

MCU VER: Display the software version information (For read only).

SDI Version: Display the SDI version information (For read only).

# VGA Setup Submenu



Enter to “VGA Setup” submenu to adjust VGA-HPOS (0~100), VGA-VPOS (0~100), CLOCK (0~100), PHASE (0~100). Also can select “ON” at “AUTO ADJUST” to adjust when input VGA signal

# System Operation

## Content

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- How to Turn On/Off the Monitor
- How to Monitor the Audio
- How to Use User Defined Function Key
- How to Display Aspect Ratio
- How to Display Current Settings

# How to Turn On/Off the Monitor

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1. Plug in the power cord.
2. Push the “POWER” button, key light lights, about 10 seconds later, the monitor begins to work.
3. Push the “POWER” button again, key light goes out, the monitor is in standby state.
4. Disconnect the power, the monitor is turned off.

The monitor will memory the state before shutdown, and will keep the state when start the computer next time.

## Note

Disconnect with power cable if the monitor will not be used for a period of time.

# How to Monitor the Audio

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First, ensure the monitor power on and in normal operation.

Specific operations are as follows:

1. Push “SDI” or “DVI” button, user can monitor SDI and HDMI (supported by DVI input) embedded audio.
2. Push the knob, ( or wait for about 5 seconds when out of menu system), rotate the knob to choose the desired volume.

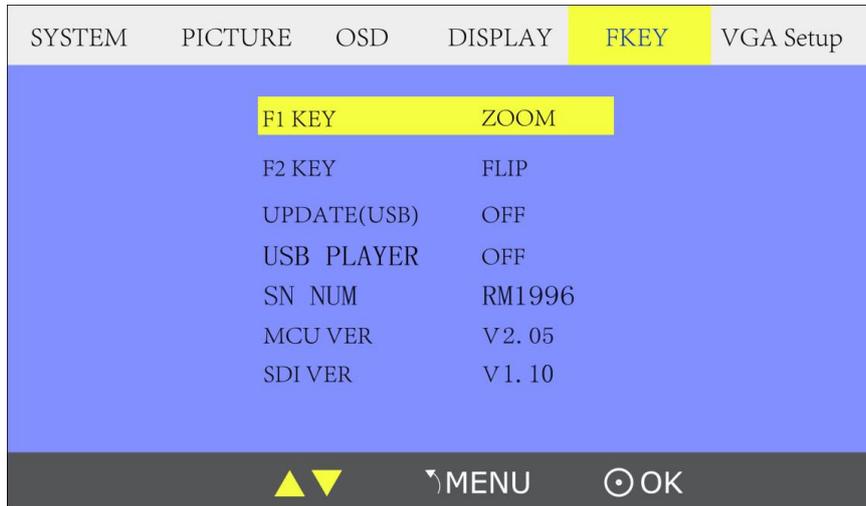


# How to Use User Defined Function Key

First, ensure the monitor power on and it is in normal operation.

Specific operations are as follows:

1. Push the "MENU" button, and enter to "MENU" system. Rotate the knob, and choose "FKEY" option, push the knob to confirm.



2. Rotate the knob, and choose "F1 KEY" or "F2 KEY", push the knob to confirm.
3. Rotate the knob to choose items, push the knob to confirm.



## How to Display Aspect Ratio

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First, ensure the monitor power on and it is in normal operation.

Specific operations are as follows:

1. Push the “RATIO” button.
2. Rotate the knob to choose the aspect ratio, aspect ratio has two options, 16:9 and 4:3.

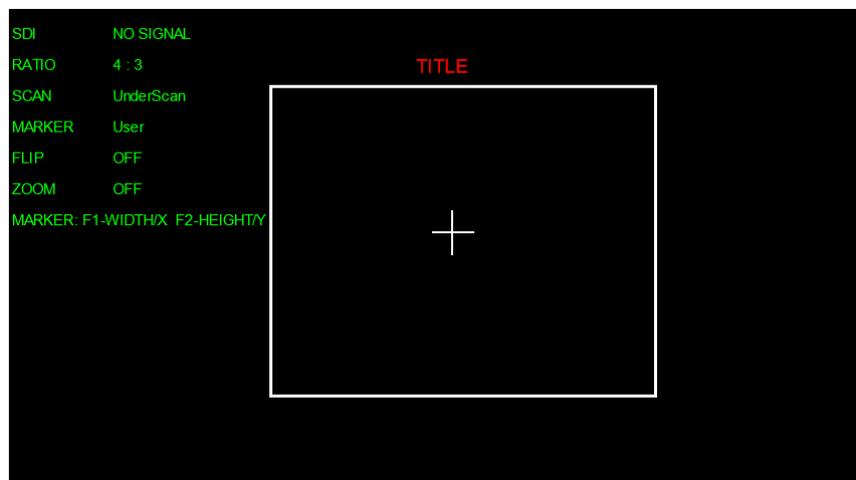


3. Push the knob to confirm.

## How to Display Current Settings

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1. First, ensure the monitor power on and it is in normal operation.
2. Push the “DISPLAY” button, the LCD screen displays the current input signal information, including: VGA, RATIO, SCAN, MARKER, FLIP, ZOOM and MARKER (Push the “F1” button to adjust the width of the marker, and push the “F2” button to adjust the height of the marker). As shown below:



# Contact Information

## Warranty:

All video products are designed and tested to the highest quality standard and backed by a full 3 years parts and labor warranty. Warranties are effective upon delivery date to customer and are non-transferable. RGBlink warranties are only valid to the original purchase/owner. Warranty related repairs include parts and labor, but do not include faults resulting from user negligence, special modification, lighting strikes, abuse(drop/crush), and/or other unusual damages.

The customer shall pay shipping charges when unit is returned for repair.

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