# Sanyo MVP-85 Instruction Manual

Quad compressor

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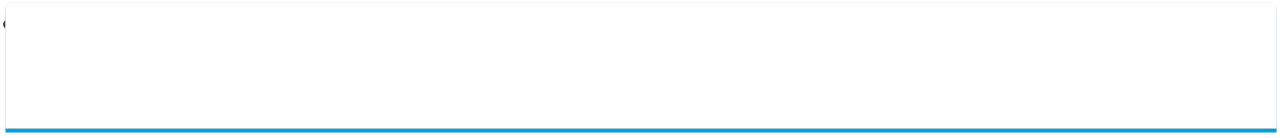

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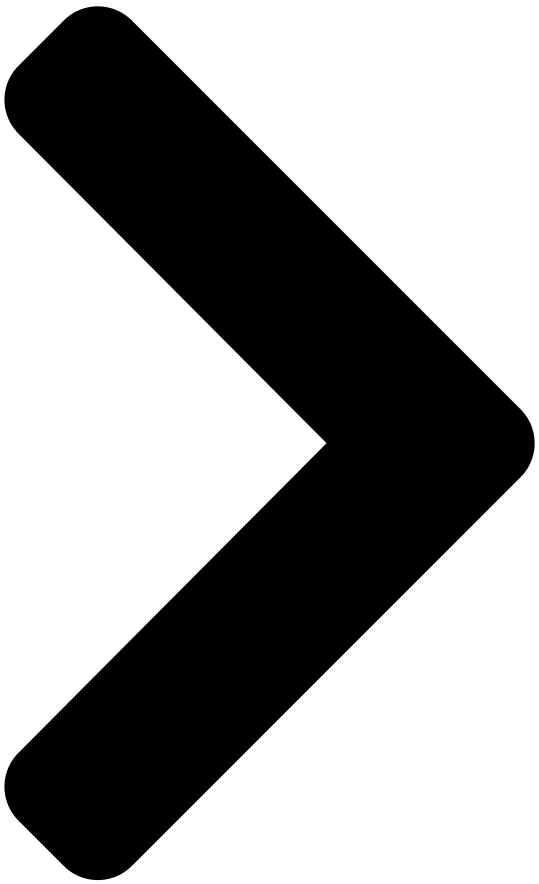

# INSTRUCTION MANUAL

## Quad Compressor

## Compresseur quadruplex

## Compresor cuádruple

### About this manual

Before installing and using this unit, please read this manual carefully. Be sure to keep it handy for later reference.

### À propos de ce manuel

Avant d'installer et d'utiliser cet appareil, veuillez lire ce manuel attentivement. Assurez-vous de le garder à portée de la main pour référence ultérieure.

# MVP-85

## Acerca de este manual

Antes de instalar y usar este aparato, lea detenidamente este manual. Asegúrese de guardarlo a mano para futuras referencias.

## English

## Français

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# Summary of Contents for Sanyo MVP-85

Page 1 Avant d’installer et d’utiliser cet appareil, veuillez lire ce manuel attentivement. Assurez-vous de le garder à portée de la main pour référence ultérieure. MVP-85 Acerca de este manual Antes de instalar y usar este aparato, lea detenidamente este manual. Asegúrese de guardarlo a mano para futuras referencias.

Page 2: Declaration Of Conformity

Declaration of Conformity Model Number : MVP-85 Trade Name : SANYO Responsible party : SANYO FISHER COMPANY Address : 21605 Plummer Street, Chatsworth, California 91311 Telephone No. : (818) 998-7322 • This device complies with Part 15 of the FCC Rules.

Page 3: Table Of Contents

CONTENTS PARTS NAMES .....3 FRONT PANEL .....3 REAR PANEL .

Page 4: Parts Names

PARTS NAMES FRONT PANEL POWER This unit is not equipped with a power switch. The power is turned on/off when the supplied power cord is connected/disconnected at the power source. POWER indicator Camera select buttons and camera indicators Use these buttons to select the picture from the corresponding camera.

Page 5: Rear Panel

PARTS NAMES REAR PANEL CAMERA CAMERA input terminals (1 – 8) VCR IN (Video cassette recorder input) terminal VCR OUT QUAD FULL (Video signal output) terminal Output in quad screen and full screen display modes. VCR OUT QUAD ONLY (Video signal output) terminal Output only in quad screen display mode.

Page 6: Connection

CONNECTION Before making any connection, make sure all the devices are turned off. Before making the connections, please refer to the instruction manual accompanying each device. If the devices are not connected properly, that may cause a fire and/or damages. RECORDING LIVE PICTURES IN QUAD SCREEN DISPLAY MODE ONLY CONNECTIONS CAMERA Monitor (sold separately)

Page 7: Remote Controller Circuit Connections

CONNECTION REMOTE CONTROLLER CIRCUIT CONNECTIONS Use the layout below to make a remote controller and make the connections to the remote input pins (RC, C) of the CONTROL terminal as indicated. This will permit remote controlled operation of this unit. (make contact LOW input) CONTROL RC C SW C AL C 1 2 3 4 5 6 7 8 RS232C...

Page 8: Basic Operations

BASIC OPERATIONS MODE SWITCHING When the unit is connected to a power source, the default display mode will be: live picture from the four cameras 1 – 4 in a quad screen. You can use the VCR, LIVE and MENU buttons to switch to the desired mode (see below for further information). LIVE picture mode Power on Live Picture Mode (see page 9)

Page 9: Security Lock Function

BASIC OPERATIONS SECURITY LOCK FUNCTION This function lets you lock the camera live picture mode or VCR playback mode, so that it cannot be switched to another mode. Security lock Press the LIVE or the VCR button for about 3 seconds. The buzzer will be heard and all the buttons will be locked.

Page 10: Live Picture Mode

LIVE PICTURE MODE (VIDEO OUT QUADFULL) Operations with the monitor connected to the VIDEO OUT QUADFULL terminal. VIDEO OUT LIVE QUAD QUAD FULL ONLY LIVE PICTURE MODE OPERATIONS STEPS (Quad screen A) LIVE 0 1 0 1 0 2 0 2 0 3 0 3 0 4 0 4 QUAD...

## Page 11: Quad Screen Operations

QUAD SCREEN OPERATIONS 0 2 0 2 0 5 0 5 0 5 0 6 0 6 0 6 0 4 0 4 0 7 0 7 0 7 0 8 0 8 0 8 QUAD QUAD 0 1 0 1 0 2 0 2 0 3 0 3 0 4 0 4...

## Page 12 QUAD SCREEN OPERATIONS STILL ZOOM ZOOM STILL English Example: To freeze the image from camera 4 Press the STILL button. The STILL indicator flashes and the still image display mode is selected. Press the camera select 4 button. The camera 4 indicator flashes, the image from camera 4 is frozen, and “S” flashes on-screen.

## Page 13 QUAD SCREEN OPERATIONS (The zoomed in area is set by the frame position.) ZOOM LIVE • c button: will move the frame to the right • l button: will move the frame down Example: To zoom in the image from camera 4 and set the zoom range You can select the portion of the image to zoom in.

## Page 14: Full Screen Operations

FULL SCREEN OPERATIONS 0 4 0 4 0 4 SEQUENCE 0 1 0 1 0 1 0 8 0 8 0 8 Camera number (TIMER SET) TIME 07:30 19:30 SEQ. QUAD SEQ. QUAD CAM1 T1 CAM2 T2 CAM3 T1 CAM4 T2 CAM5 T1 CAM6 T2 CAM7 T1...

## Page 15: Vcr Playback Mode

VCR PLAYBACK MODE (VIDEO OUT QUADFULL) Operations with the monitor connected to the VIDEO OUT QUADFULL terminal. VIDEO OUT QUAD QUAD FULL ONLY QUAD SCREEN OPERATIONS 0 1 0 1 0 2 0 2 0 3 0 3 0 4 0 4 QUAD FULL SCREEN OPERATIONS 0 4 0 4 0 4...

## Page 16: Menu Setting Mode

MENU SETTING MODE MENUS DISPLAYS To display the menus, press the MENU button. Menu 1 (LANGUAGE/LANG./IDIO.) ENGLISH FRANCAIS ESPANOL MENU (Monitor) English Menu 2 MENU (CLOCK SET) 01-01-2000 SAT 00:00:00 (DAYLIGHT SET) STILL STILL MODE NO USE WEEK MON TIME 1ST-SUN 04 02:00 LST-SUN 10...

## Page 17: Language Setting

LANGUAGE SETTING (LANGUAGE/LANG./IDIO.) The default menu language is English. The available language settings are English, French and Spanish. Setting the language Press the MENU button once to display the (LANGUAGE/LANG./IDIO.) menu. Press the l button to highlight the desired language. Press the MENU button to go to the next menu, or Press the EXIT button to exit the menu display, the selected language is set.

## Page 18: Clock And Daylight Saving Setting

CLOCK AND DAYLIGHT SAVING SETTING (CLOCK SET) The default setting is as indicated below. The clock will start after the actual time and date are set and the operations under (DAYLIGHT SET) are completed. Default clock settings: 01:01:2000 SAT 00:00:00 (January 1, 2000 at 00:00) Press the MENU button 2 times to display the (CLOCK SET) menu.

## Page 19: Camera Title Setting

CAMERA TITLE SETTING When a picture from a camera is displayed on-screen the camera number (1 to 8) is displayed at the bottom of the image. You can enter a camera title, such as the camera location (up to 10 characters), that will be displayed instead of the camera number. (TITLE SET) Press the MENU button 3 times to display the (TITLE SET) menu.

## Page 20: Alarm Setting

ALARM SETTING When an alarm trigger is received from sensors such as a door bell, movement sensor, etc. you can set the display mode and the recording mode for the pictures from the concerned camera. (ALARM SET) Changing the Settings Press the MENU button 4 times to display the (ALARM SET) menu.

## Page 21: Video Sensor Setting

VIDEO SENSOR SETTING You can set an area of the image on the screen to be used as a video sensor ( selected area of the image and sends an alarm trigger that will initiate priority recording of the images from the concerned camera. (VIDEO SENSOR SET) SETTING THE VIDEO SENSOR POSITION AND SENSITIVITY LEVEL...

## Page 22: Timer Setting

TIMER SETTING The timer can be set to record during the daytime and/or nighttime. According to the timer settings, each camera picture full screen display switching speed can be set, and the cameras to be displayed in the quad screens can be selected. (TIMER SET) Press the MENU button 6 times to display the (TIMER SET) menu.

## Page 23: Clock, Title Display And Monitor

CLOCK, TITLE DISPLAY AND MONITOR SETTINGS (DISPLAY SET) The clock and the camera title settings entered in the menus (CLOCK SET) and (TITLE SET) can be displayed on-screen. SETTING THE CAMERA TITLE AND THE CLOCK DISPLAY POSITION (POSITION SET) Press the MENU button 7 times to display the (DISPLAY SET) menu.

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CLOCK, TITLE DISPLAY AND MONITOR SETTINGS Display when no switching signal input is present (Table 1) (MONITOR SET) menu Image output at the VIDEO OUT terminal QUAD ONLY • Quad screen A or B display QUAD FULL • QUAD QUAD ONLY •...

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CLOCK, TITLE DISPLAY AND MONITOR SETTINGS Display when a switching signal input is present (Table 2) (MONITOR SET) menu QUADONLY Image output at the VIDEO OUT terminal QUAD ONLY • Either setting (Y or N) Quad screen A or B (manual switching possible) Quad screen A or B display...

## Page 26: Vcr Signal Setting And Computer Control Setting

19200 COLOR KILLER Used to playback a tape recorded through a black and white multiplexer, using a color multiplexer. ON: When using a black and white tape, the color killer function is active. OFF: The color killer function is not active. (Default setting)

## Page 27: Alarm Data Display

ALARM DATA DISPLAY According to the settings entered in the (ALARM SET), (VIDEO SENSOR SET) and (VIDEO LOSS SET) menus, information about the alarms (alarm data) can be recorded. Up to 100 alarm data entries can be displayed on-screen (on up to 13 screens). (ALARM DATA) Displaying the Alarm Data Press the MENU button 9 times to display the (ALARM...

## Page 28: Alarms Operations

ALARMS OPERATIONS There are three types of alarms; the alarms set by an external alarm trigger, the alarms set by a loss of the video signal and the alarms set by the video sensor. EXTERNAL ALARMS When external inputs such as a door bell, an interphone, etc., are connected to the CONTROL terminal (pins 1 –...

## Page 29: Rs232C Control

RS232C CONTROL CONNECTION Connect a 9-pin D-SUB cable (sold separately) from the RS232C terminal on the rear panel to the computer serial connector. CONTROL RC C SW C AL C 1 2 3 4 5 6 7 8 RS232C 9-pin D-SUB cable (sold separately) Setting the Data Transmission Speed After the connection is made, set the data transmission speed in...

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RS232C CONTROL INFORMATION GATHERING COMMANDS STATUS SENSE(D7) When this command is sent from the computer, this unit will send a 5-byte response (see Table 1). STATUS SENSE(D7) byte assignment (Table 1) The third, fourth and fifth bytes are reserved. First byte Bit state information LIVE/VCR indication 0: LIVE picture mode...

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RS232C CONTROL COMMANDS AVAILABLE FROM THE QUAD COMPRESSOR ACK(0A) Response when this unit receives a command. NAK(0B) Response if this unit did not receive the command. ALARM(BF) When there is an alarm, this command is sent as header. Then, the alarm information is sent in a 1-byte transmission (see Table ALARM information (Table 3) Bit state information 2-bit indication of the...

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RS232C CONTROL COMMAND TABLE (TABLE 4) The commands available are indicated in the table. If a function is not available on the unit, the command will not operate even if sent. ENTER ALARM English « (») CLEAR – SECURITY LOCK ON SECURITY LOCK OFF ALARM STATUS SENSE STATUS SENSE...

## Page 33: Specifications

SPECIFICATIONS Signal format Camera signal input synchronization Camera input terminals (CAMERA) VCR input terminal (VCR IN) VIDEO output terminal 1 (VIDEO OUT QUAD FULL) VIDEO output terminal 2 (VIDEO OUT QUAD ONLY) Control terminal (CONTROL) • Alarm input (1 – 8) •...

Page 34 QUAD COMPRESSOR LIMITED WARRANTY In order to obtain warranty service, the product must be delivered to and picked up from an Authorized Sanyo Service Center at the user’s expense, unless specifically stated otherwise in this warranty. The names and addresses of Authorized Sanyo Service Centers may be obtained by calling the toll-free number listed below.