




User's Manual

Miroir JM-10

Eyewear Selector

IN ORDER TO USE MIROIR PROPERLY, PLEASE CAREFULLY READ AND UNDERSTAND THE CONTENTS IN THIS MANUAL BEFORE STARTING TO USE THIS DEVICE

©2008 Jujo Electronics Corporation



Contents of this manual


Thanks for choosing the products from Jujo Electronics. In order to safely and freely use Miroir, it is necessary to read and understand all the contents of this manual. It is greatly suggested to keep this manual carefully for future use.

This manual is only used as the operating direction on the product of Miroir from Jujo Electronics. There are no any repairing directions included. If you have any problems even after your reading on this manual, please visit our website or contact our customer service.

Copyright

All rights reserved. Except as expressly provided herein, no part of this manual may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without prior written consent of Jujo Electronics. Jujo Electronics hereby grants permission to download a single copy of this manual onto a hard driver or other electronic storage medium to be viewed for personal use, provided that such electronics or printed copy of this manual contains the complete text of this copyright notice and provided further that any unauthorized commercial distribution of this manual is strictly prohibited.

Information in this manual is subject to change without notice. Jujo Electronics reserves the right to change or improve its products and to make changes in the content without obligation to notify any person or organization of such changes. Visit the Jujo website or consult Jujo customer service for current updates and supply mental information concerning the use and operation of this and other Jujo products



Catalogue

For your safety

Safety precaution	1
General safety notes	3

Introduction

Inside the package	4
Advantages	4
Key Features	5

How to use

Miroir description	
Front side	6
Back side	7
Back of the base	7
Remote controller	8

Start to use

Ready to use	
Working space	9
Power cable connection	9
Customer mode	9
Advertising mode	10
Eye catch mode	11
Adjusting the image and volume	12
Image brightness	12
Image contrast	12
Image HUE	12
Audio volume	13

Troubleshooting	14
------------------------	----



Specification	14
----------------------	----

For Your safety





Safety precaution





To prevent damage to Miroir or injure to yourself or to other, read the following safety precaution in their entirety before using this equipment. Keep these safety instructions where all those who will use this product will read them.

*The safety precaution can be expressed two levels according the possible damage degree

	This icon marks warnings. If ignored, may cause danger or permanent injure.
	This icon marks caution, if ignored, may cause failure of operation.

Icon examples

	Warning mark
	Caution mark
	Prohibition mark
	Obligation mark

 警告	
	Please use the attached AC adaptor.
	Do not place any goods on the product. Any crash, falling off or exclusion may cause permanent damage
	Never polluted by chemical or liquid, keep the chemical and liquid far away from the equipment

 **Warning**



Preventing thermal radiation may cause permanent damage



Do not use the damaged cable and adaptor



Keep the equipment away from fire or hot source

 **Caution**



Do not destroy the sealed mark on the case of the equipment.



Keep the power supply ground reliable



Hold the socket instead of the cable when detach the power supply



Turn off the equipment before detach the power socket



Turn off the equipment and contact us if:
 a) Polluted by chemical or liquid;
 b) Case of equipment crashed;
 c) Meet unexpected phenomenon;

Keep dry and clean around the equipment

General safety notes



Introduction

Inside the package

Please carefully open the package and confirm the equipment and accessories inside.



Miroir Equipment (1)



Remote controller (1)



Remote cable (1)



RCA video cable (1)



AC adaptor (1)



Manual & warrant (1)

Advantages

Eyeware Selector (Miroir) is a newly developed equipment base on the sythesis of audio and video signal. With this product, customer can easily take up to 4-8 pictures and save or restore them if necessary. Also the special slide show and advertising mode may give excellent information propagation at the public area such like eye-glass and jewelry shop etc.

Key Features:

- Two high resolution CCD cameras are equipped on both mirror and LCD sides
- The upper portion of the unit pivots 10° back and forth, and turns 240° right and left
- Two cameras will be switched automatically when rotating the upper portion
- Customer can operate the equipment by using the front panel or remote controller .The remote controller can be used under both cable mode and RF mode. The battery in the remote controller will be charged when the cable is connected.
- 1,4 or 8 frames can be displayed on the LCD
- Static pictures can be shown for the picture comparing
- Remote controller can be easily fixed on to the panel by the magnet inside
- Video can be shown on other device by Video output port
- Can be used as the general mirror if necessary
- Advertising can be played by the USB key from Jujo. Also data can be exchanged between Miroir and PC by Jujo USB key
- Brightness, HUE, Saturation and Volume can be easily adjusted if needed

Client program (OPTION)

We have an optional PC program mainly for the data exchange between PC and Miroir. Also you can edit the video from Miroir on the PC and copy back to Miroir



How to use

Here is the introduction for the functions of Miroir

Miroir description

Front side



Fig1 .Miroir front

Back side



Fig 图2 Miroir back

Back of the base

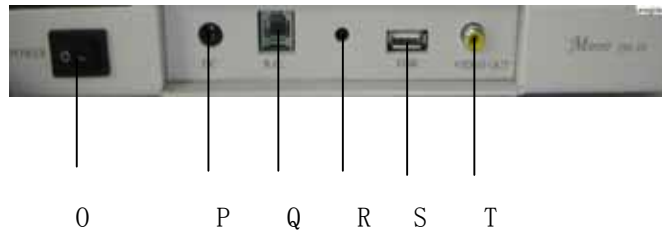


Fig 3 Miroir back of the base

Remote controller

- A. START &LED;
- B. No 1&LED;
- C. No 2&LED;
- D. No 3&LED;
- E. No 4&LED;
- F. REP&LED;
- G. CLEAR;
- H. BASE PART;
- I. Rotating system;
- J. Upper portion;
- K. LCD side CCD;
- L. LCD;
- M. Mirror side CCD
- N. Mirror;
- O. Power Switch;
- P. DC12V 输入口;
- Q. Remote cable socket;
- R. RF Remote receiver;
- S. USB socket;
- T. RCA Video out;
- U. Remote charge indicator

U

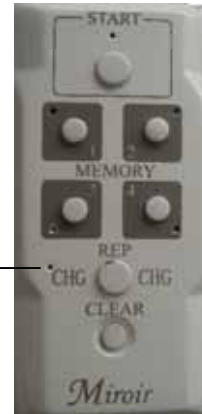


Fig4 Remote controller

Start to use

Ready to use

Please check the following before start to operate the Miroir.

Working space

A clean and reliable working space is a basic for the stable use of the equipment.

- ◆ Put the equipment on the stable and reliable flat surface;
- ◆ There is an AC power socket nearby for convenient use;
- ◆ Keep feasible temperature and humidity;
- ◆ Keep away from dust and direct sunshine;
- ◆ Keep away from hot source;
- ◆ Keep away from chemical gas or liquid;
- ◆ Keep the thermal radiation free;
- ◆ Never leave anything else onto the Miroir;

Power cable connection

Attach the AC adaptor cables to the AC power and Miroir respectively and turn on the power switcher of Miroir.



Customer Mode

Customer Mode can be entered if turn on Miroir without USB KEY.

1. Press "Start" button

Adjust the upper portion of the unit so that subjects face appears in the center of the vertical line on the monitor. (Upper portion pivots 10° and rotates 240°)

Indicator light No.1 will flash and you can start picture recording.

2. Press the “Memory” buttons

Press the “Memory” buttons from No1 to No4 according to which light is flashing.. If the image is not good , re-press the current memory key. The light will keep if recording finished.

Up to 4 images can be recorded.

3. Pressing ‘Rep’ button will show four images on the screen .

4. Record again

1)Press ‘Start’ button. (All the light flashing)

2)Press the No. key

3)Press ‘Rep’ button and confirm the image.

If you hold ‘Rep’ more than 5 seconds, four images will be shown one by one automatically.

Press the ‘Rep’ again , four images will be shown simultaneously again

5. Press ‘Clear’ button will clear the images and leave this mode.

Advertising mode

If Miroir is turned on with the Jujo USB key attached, Miroir will play the advertising mode .In this mode, the audio and video stored in the USB key will be played automatically.

Pressing ‘Start’ button will exit advertising mode and enter customer mode.

Eye catch mode

Press 'Cancel' button under customer mode, Miroir will play the eye catch mode. In this mode, the LCD display will be separated into 9 images (3X3 mode) and display these images as:

- Whole dark (nothing displayed)
- Show animation from CCD in the mid image part
- Take and show the static image at the upper left side(No1)
- Show other images clockwise one by one
- Keep 3 seconds and repeat
- Pause the process by pressing 'Rep' button (Pause mark will be displayed at the upper left corner.

Press 'Start' button and enter customer mode

Adjusting the image and volume

1. Image Brightness

- A. Press 'Rep' and No.4 buttons simultaneously, the task bar for the brightness will be displayed
- B. Press No.4 button to increase and press No.3 to decrease. If No.3 or No.4 button is held for more than 3 seconds, it will increase or decrease continuously. The range of the brightness is 0-80.
- C. When you reach the prefer level, press 'Clear' button to complete the adjustment and return to the normal mode.

2. Image Contrast

- A. Press 'Rep' and No.3 buttons simultaneously, the task bar for the contrast will be displayed
- B. Press No.4 button to increase and press No.3 to decrease. If No.3 or No.4 button is held for more than 3 seconds, it will increase or decrease continuously. The range of the contrast is 0-80.
- C. When you reach the prefer level, press 'Clear' button to complete the adjustment and return to the normal mode.

3. Image HUE

- A. Press 'Rep' and No.2 button simultaneously, the task bar for the HUE will be displayed
- B. Press No.4 button to increase and press No.3 to decrease. If No.3 or No.4 button is held for more than 3 seconds, it will increase or decrease continuously. The range of the HUE is 0-80.
- C. When you reach the prefer level, press 'Clear' button to complete the adjustment and return to the normal mode.

4. Audio volume

- A. Press 'Rep' and No.1 button simultaneously, the task bar for the volume will be displayed
- B. Press No.4 button to increase and press No.3 to decrease. If No.3 or No.4 button is held for more than 3 seconds, it will increase or decrease continuously. The range of the volume is 0-80.
- C. When you reach the prefer level, press 'Clear' button to complete the adjustment and return to the normal mode.



Troubleshootings


If Miroir becomes invalid, check the list of the common problems below before consulting the dealer and our customer support.

Problem	Possible reason	Action
No Image appear	invalid AC supplying	Adjust AC power
	Power cable problem	Change cable
	AC adaptor problem	Change adaptor
Video interference	Camera pollution	Clean the camera
Remote invalidate	Connection problem	Adjust the cable and charge the remote controller

If the problem persists even after you have checked all the above, please consult the dealer or our customer service

Specification

Camera	1/4' CCD 2个
Rotating	Right&left240° , front&rear+/- 10°
LCD	15 inches, 768X1024 pixels
Video Out 视频输出	RCA
Mirror size	225X315mm
Power Supply	AC100-240 (50/60Hz) /DC12V
Power consumption	Less than 50 Watt
USB	USB1.1
Body size	540X260X190mm
Weight	Less than 6KG
Endurance	About 50000H



Jujo Electronics Co., Ltd.

1121 KOYABA, KAWAGUCHI-SHI, SAITAMA 333-0857, JAPAN

TEL:81-48-261-0041

FAX:81-48-261-0450

Web Site: <http://www.jujo-e.com> E-Mail: sales@je-solution.com