

## **LCD Virtual Display**

*GVD300*



### **Dear users:**

Thank you very much for buying this LCD virtual display of our company. This product is a new display device with leading technology, which can offer you unprecedented audiovisual feelings. In order that you can operate and maintain this product better, we recommend you to carefully read this specification before you use it. Thank you!

## **Warning and precautions**



### **Warning**

- \* When you feel malaise with your eyes or any other part of your body, do not continue to use this product.
- \* When you use this product to watch video for a long period of time, you should pause and take a rest every 2.5 hours to avoid any possible eyesight affection.
- \* Try to avoid the videos with dynamically changing colors or brightness when using this product, or you will have malaise and your health will be affected.
- \* Do not use this product when it is raining, hailing, dewing, or humid, or there is the possibility of electrical shock.
- \* Do not use this product when it is thundering and lightning or it is going to be thundering or lightning, or there is the possibility of lightning strike.
- \* Please properly keep and use the power adapter, and do not damage the plastic insulation of the wire, or there is the possibility of electrical shock.



### **Precautions**

- \* Do not put this product in the humid places or places that might be caught in rain, and do not put this product in the environment of high temperature (such as in the direct sunshine), or the product may distort or be damaged.
- \* Do not put any heavy thing on this product.
- \* There are precise optical parts in this product, and it shall be protected from strike and the lens shall be protected from scratch.
- \* Do not put this product close to the heat source, and protect the product from dust, humidity and shock.
- \* Keep the window glass clean, and clean the window glass with soft cloth or paper
- \* The left and right legs of this product are equipped with retainers, and do not twist the legs with too much force, or you may damage them.
- \* When pulling the signal line off the audiovisual equipment, please hold the terminal, and do not directly pull the line.
- \* When using power adapter, please check first if the voltage meets requirements, thus avoiding burning of the circuit or any other risk.

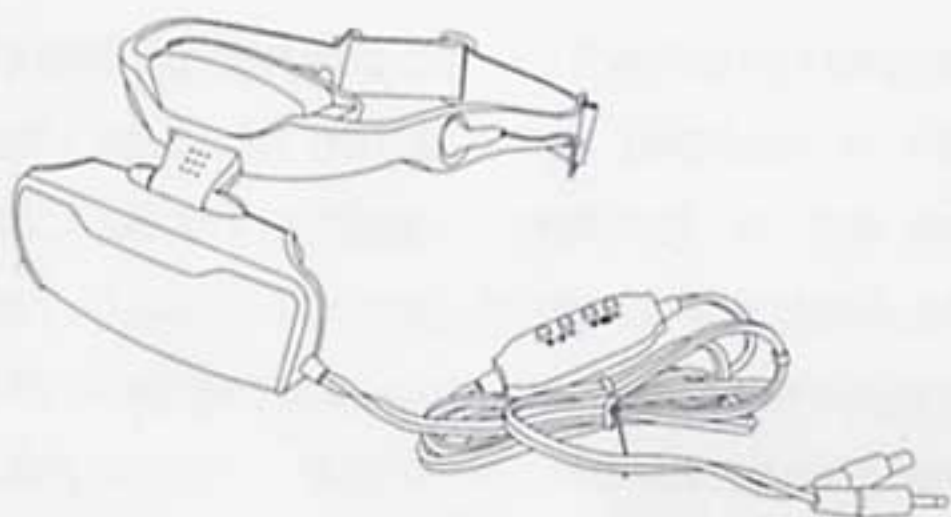
## **Table of Contents**

Product features .....	1
Packing details .....	1
Illustrations of all parts .....	2
Connection .....	4
Wearing display.....	8
Adjustment of picture and volume .....	10
Installation of eyepatch and earphone .....	10
Recharging battery .....	11
Major technical parameters.....	11
Analysis of and solutions to common malfunctions.....	12

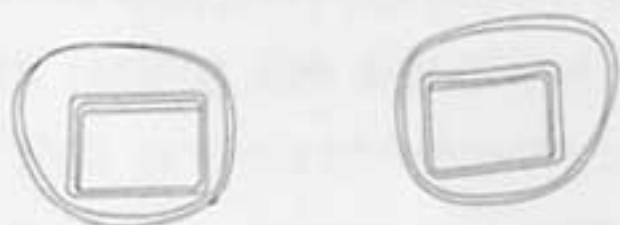
## Product features

- \* Mini LCD display, no radiation, no damage to eyes.
- \* Unique optical system is adopted to dummy the mini display into 36-inch large display 2 meters away.
- \* With broad adaptability, it can be connected to common DVD players or other standard AV products.
- \* Delicate structure, easy operation, convenience of portability.
- \* Adjustable volume, brightness and contrast.
- \* Those who wear glasses can also use this product

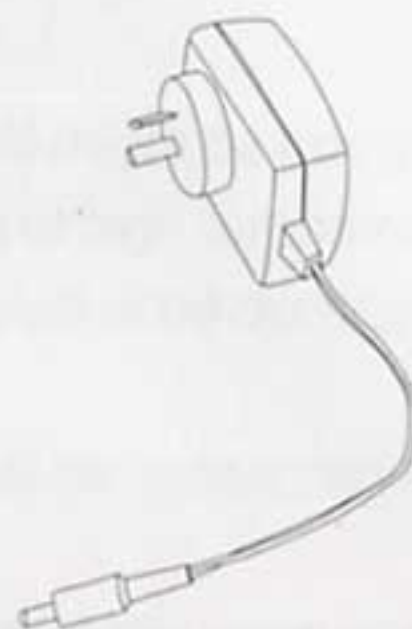
## Packing details



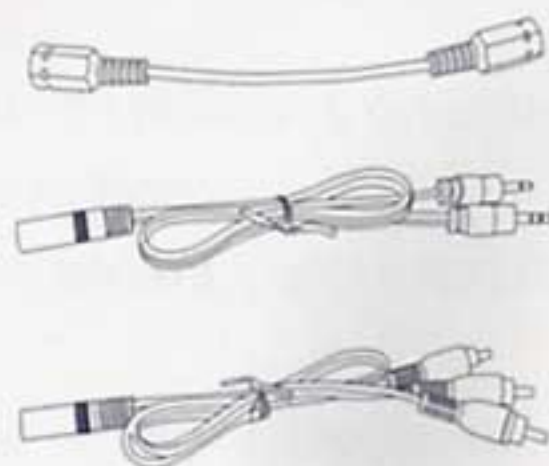
LCD Virtual display



Eyepatch

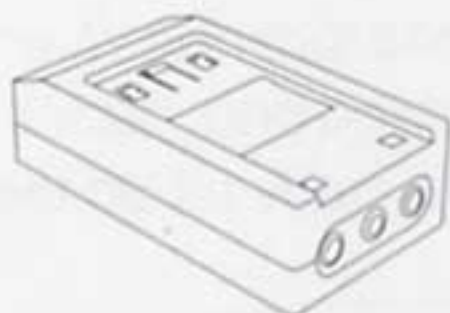


Power adaptor



Cables

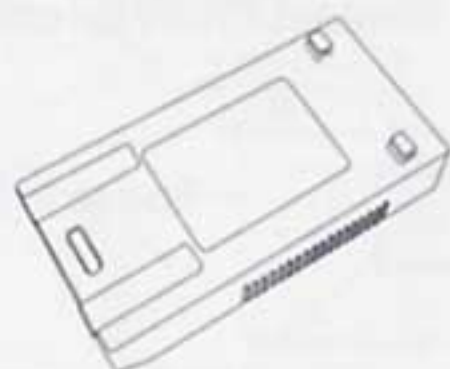
**(Below are optional parts)**



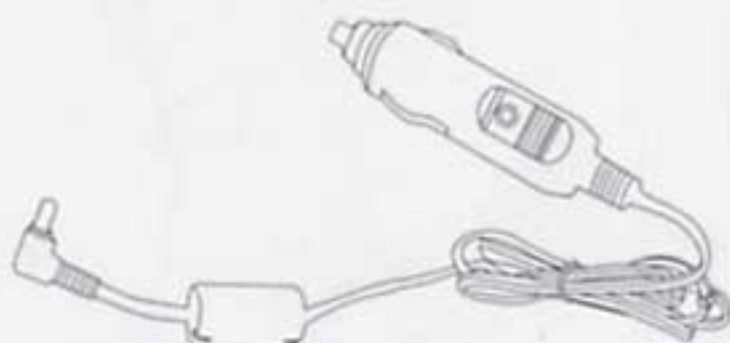
AV adapter /wireless receiver



AV wireless transmitter



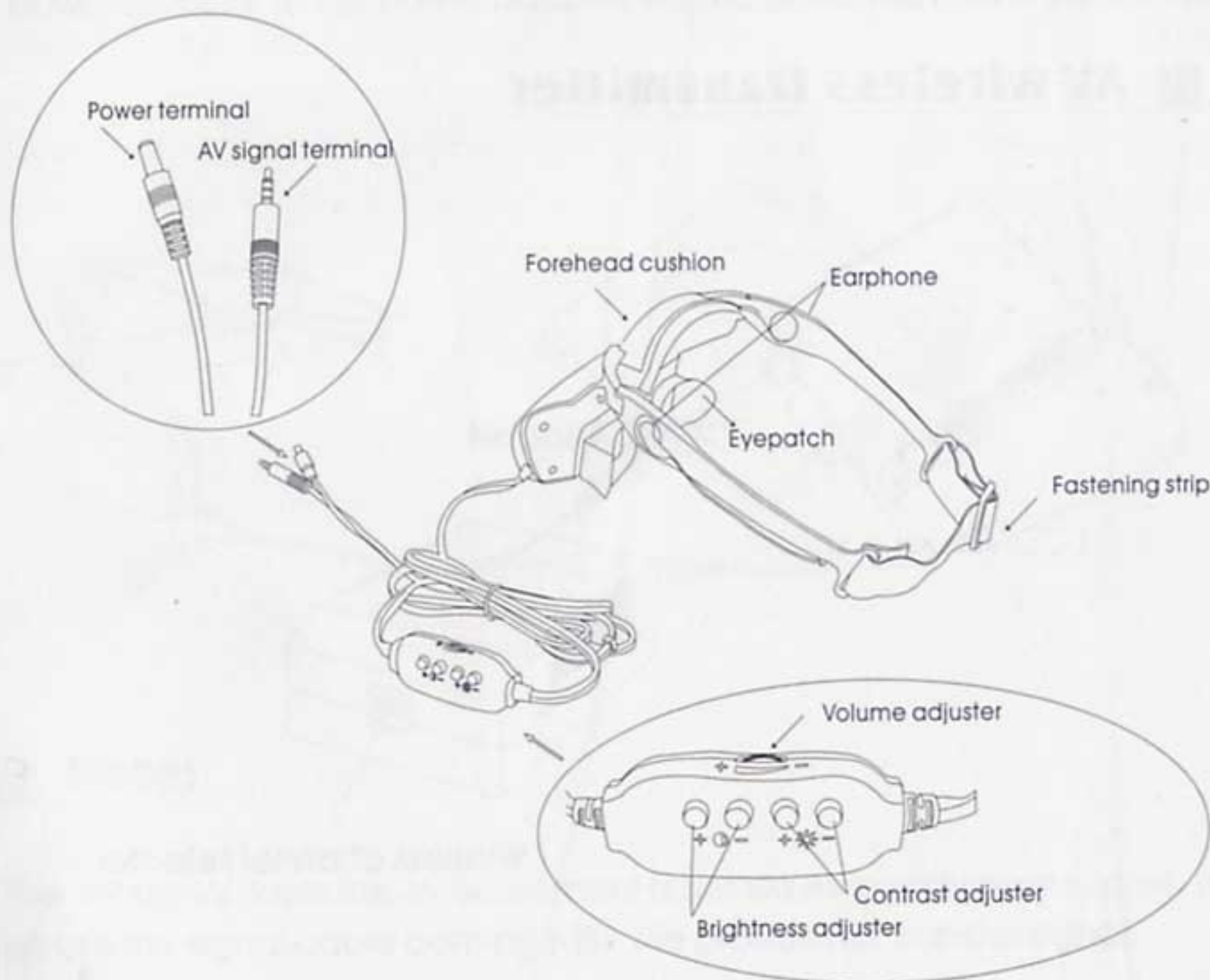
Lithium battery



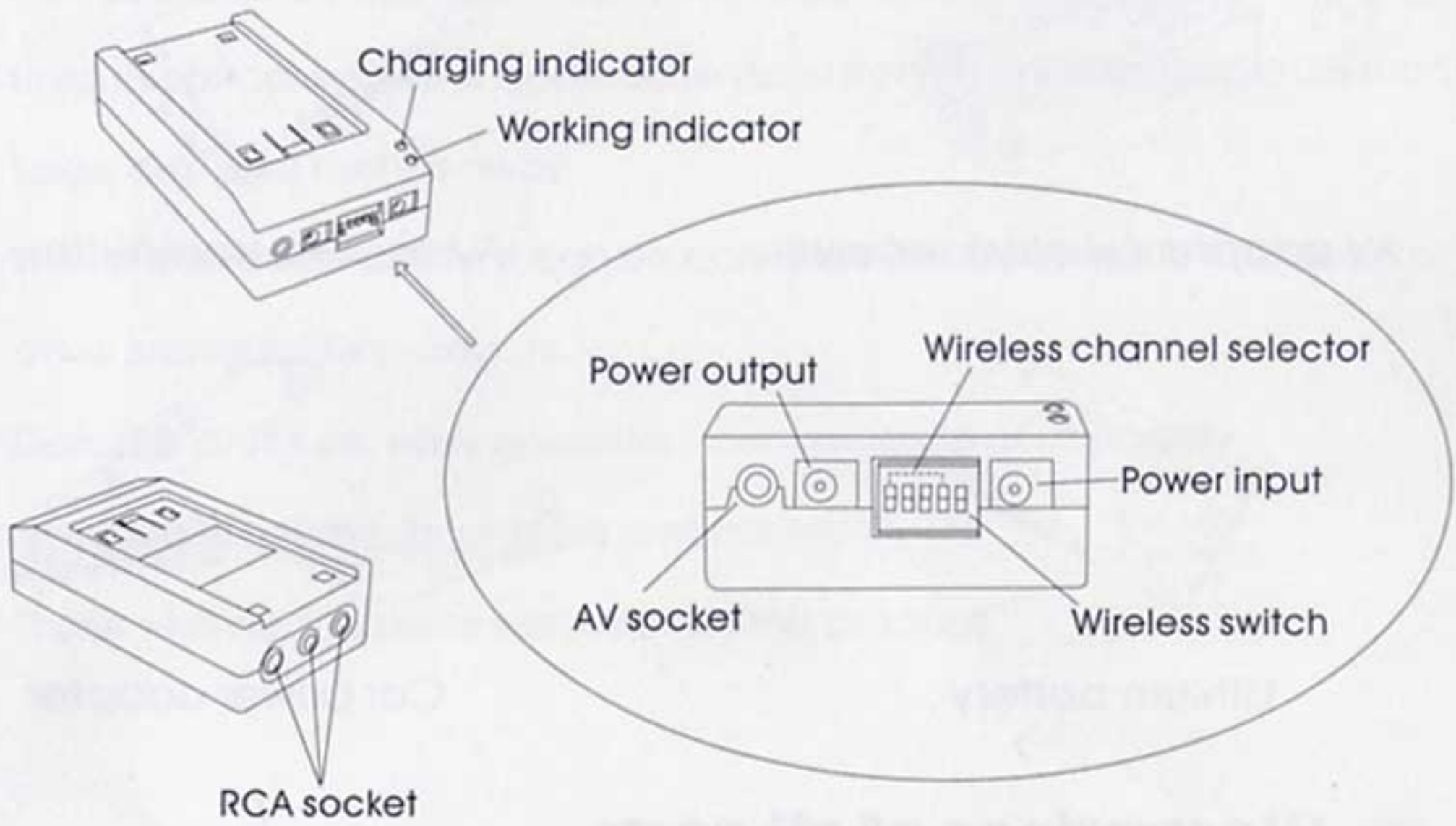
Car power adapter

**Illustrations of all parts**

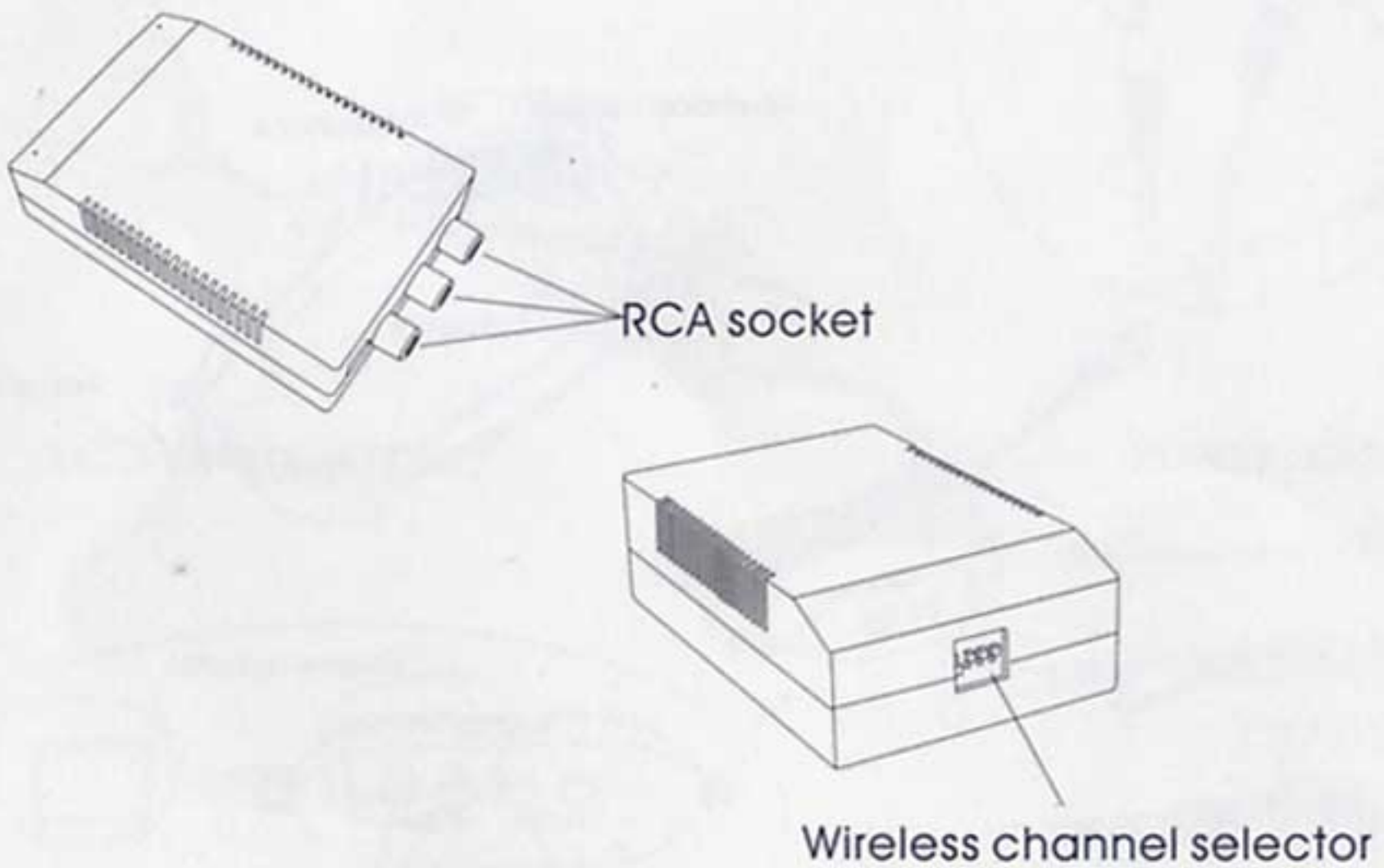
\* Head mounted display



## AV adapter/wireless receiver

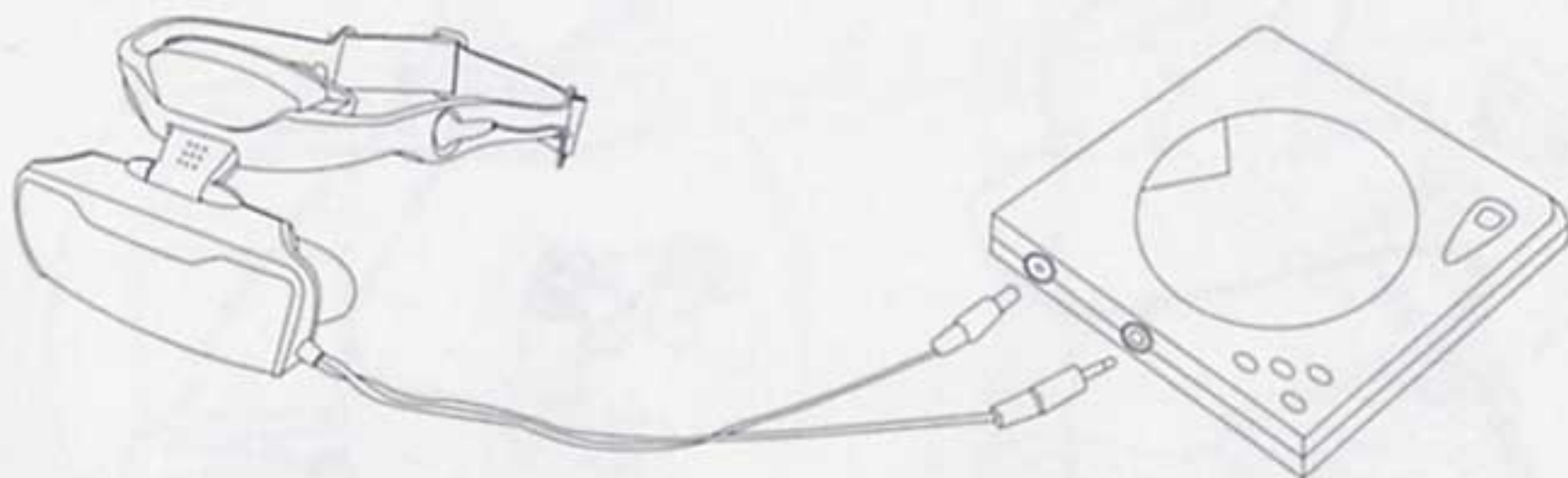


## AV wireless transmitter

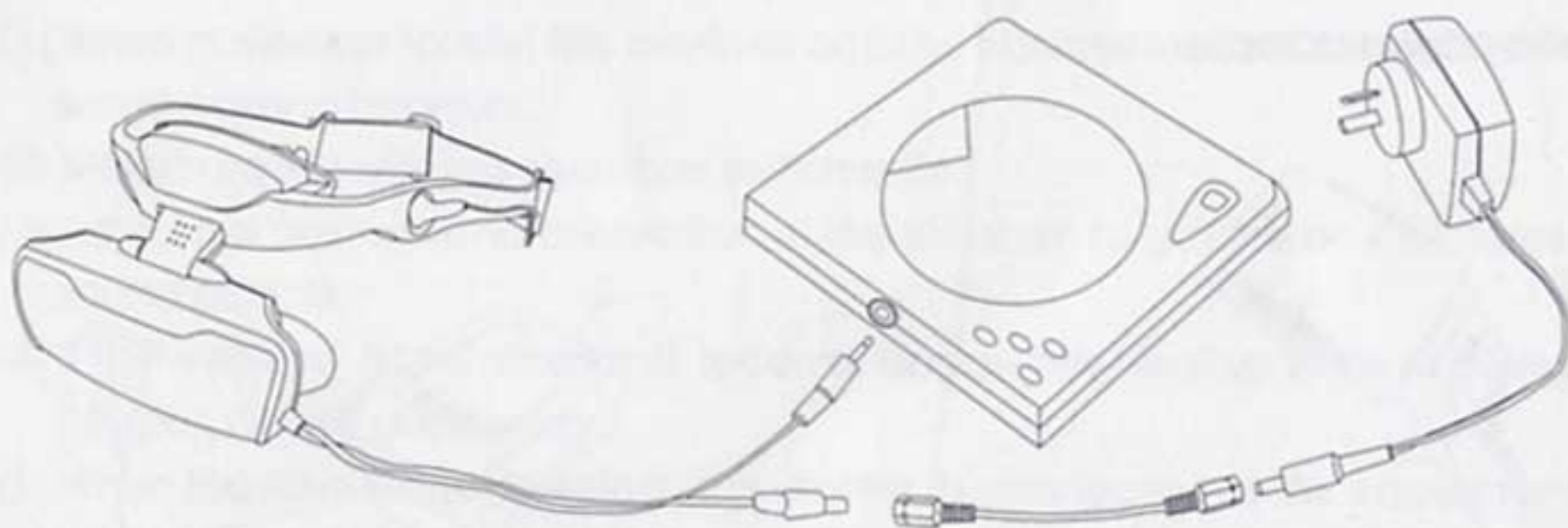


## Connection

1. Insert the AV terminal and power terminal on the cable of this product into the AV socket and power supply output socket of your portable DVD/VCD and other audio-visual equipment.



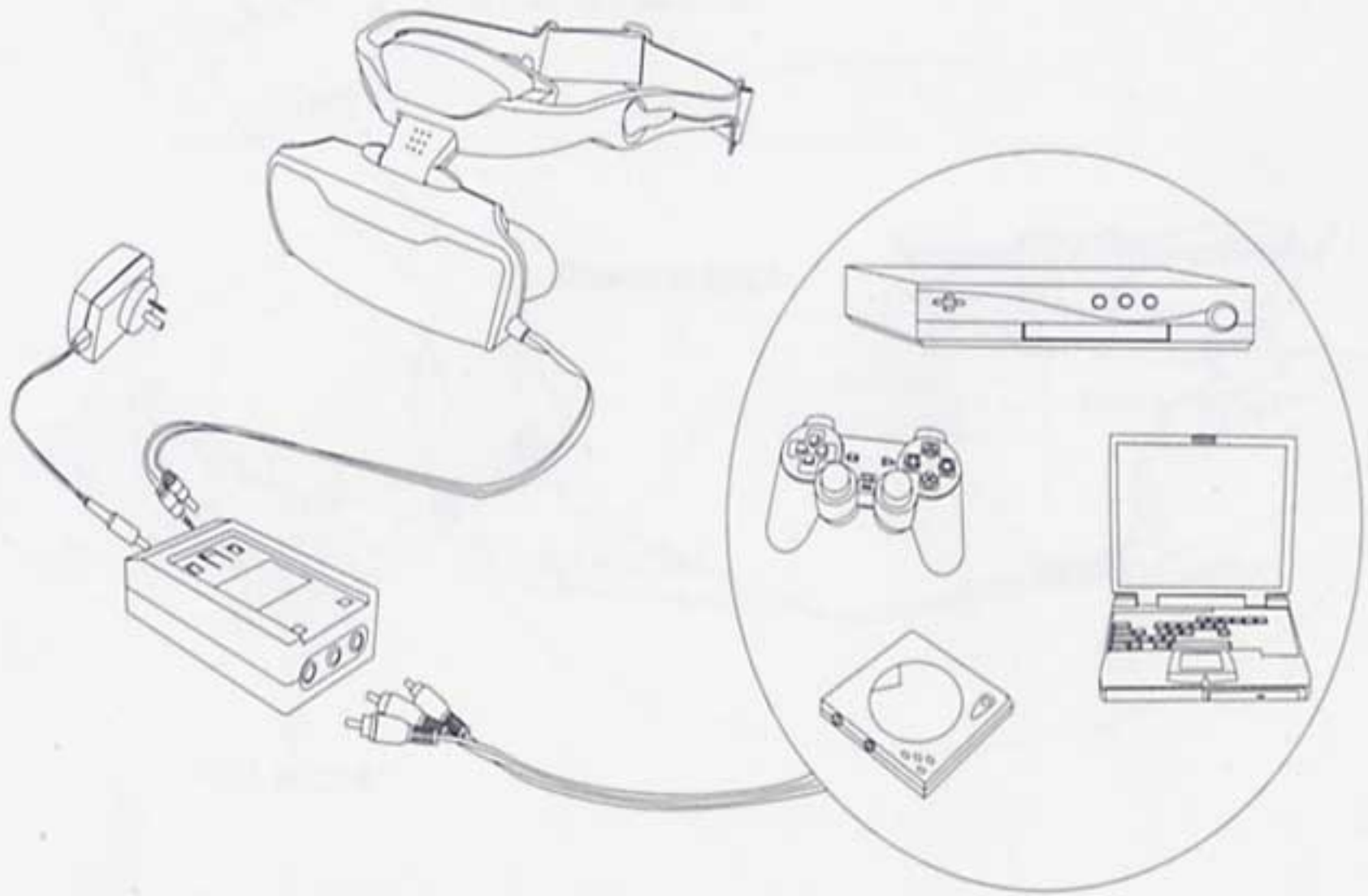
2. Insert the AV terminal on the cable of this product into the AV socket and power supply output socket of your portable DVD/VCD, and connect the power terminal to the power adapter via the attached power patch cord.



### Note:

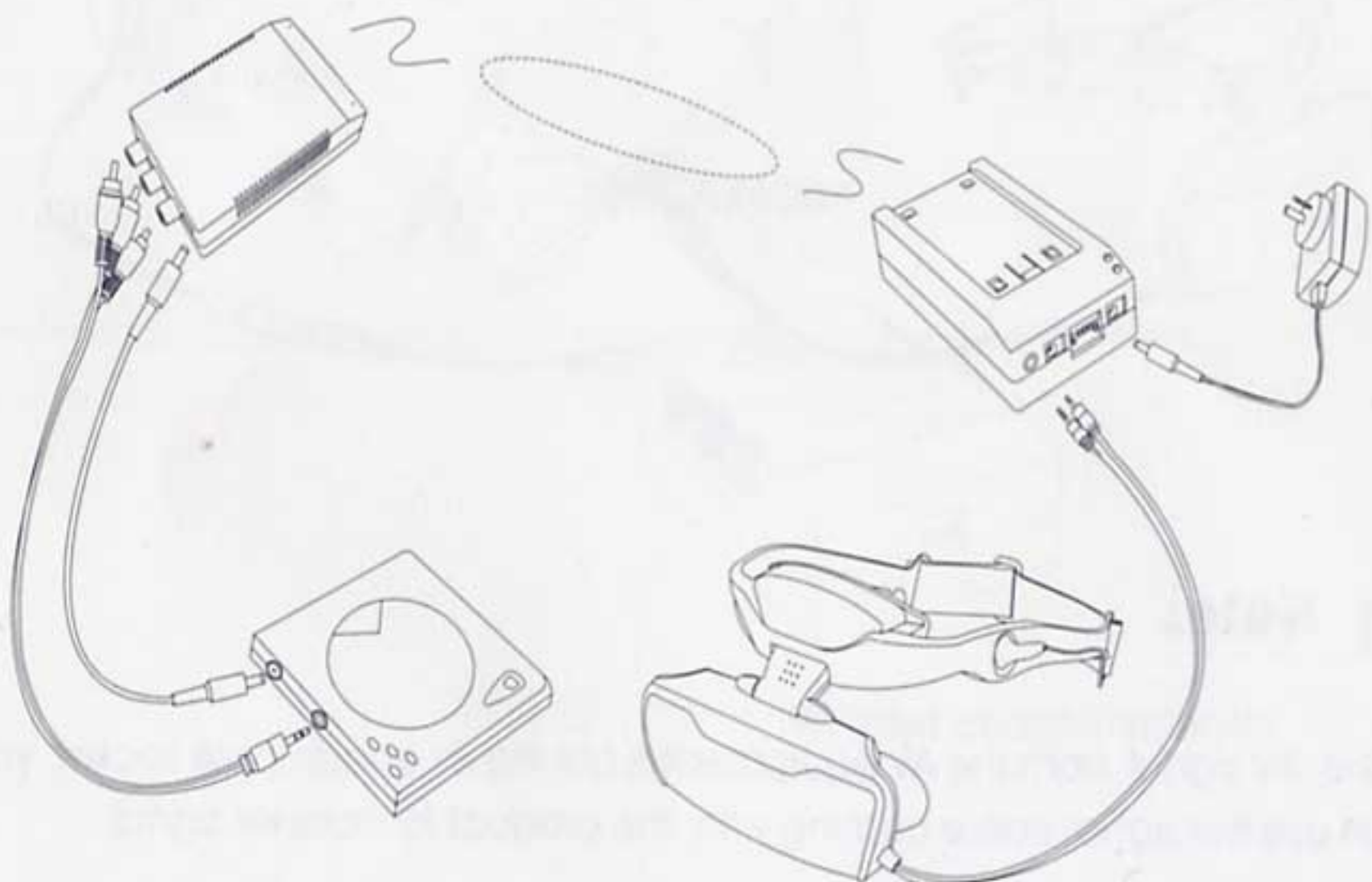
If the AV signal from the AV equipment is not via AV quadrupole socket, you can use the signal cable coming with the product to transfer signal.

AV signals of the AV equipment is accessed via the RCA terminal socket of the adapter.



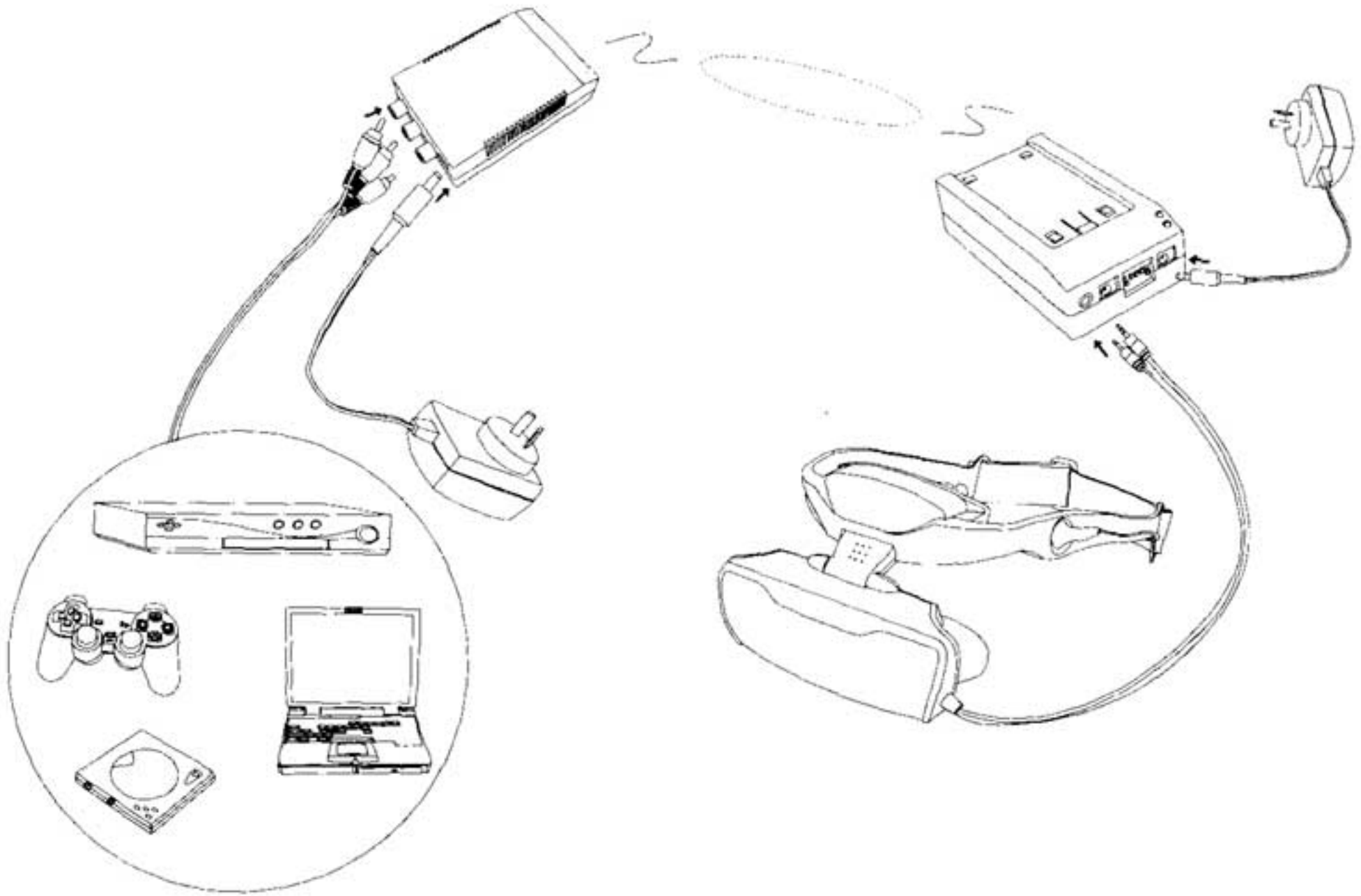
#### 4. Connection for wireless AV transmission

- 1) Connect the RCA terminal and power input terminal of the AV wireless transmitter to the AV output terminal and power output terminal of the portable DVD/VCD players; and connect the AV wireless receiver to the LCD display and power adapter.





- 2) Connect the RCA terminal of the AV wireless transmitter to other AV equipment, and power AV transmitter by power adapter; and connect AV wireless receiver to LCD virtual display and power adapter.



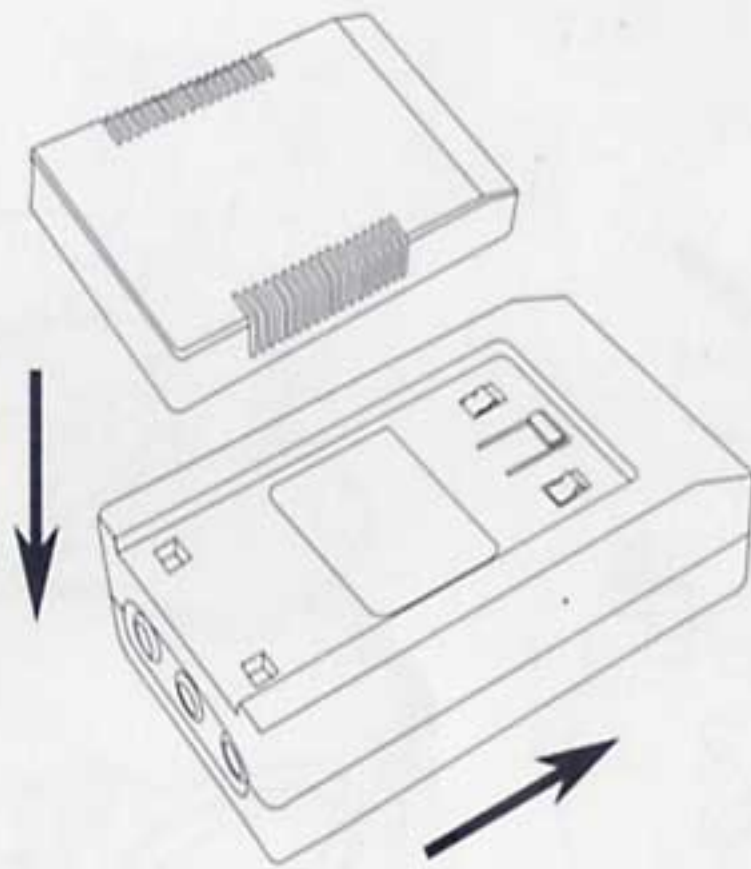
\* Note:

- (1) When in wireless mode, the receiver and the transmitter shall be placed in the same working channel.
- (2) Make sure the wireless selection switch is ON.
- (3) Adjust the position and orientation of the receiver to get the best pictures and sound effects.
- (4) If the wireless transmitter and receiver apparently heat up while working, it is normal. Please don't worry.
- (5) When the AV adapter /wireless transmitter is connected to AV equipment via RCA terminal directly, the wireless selection switch can be switched OFF to reduce heat-up and power consumption.

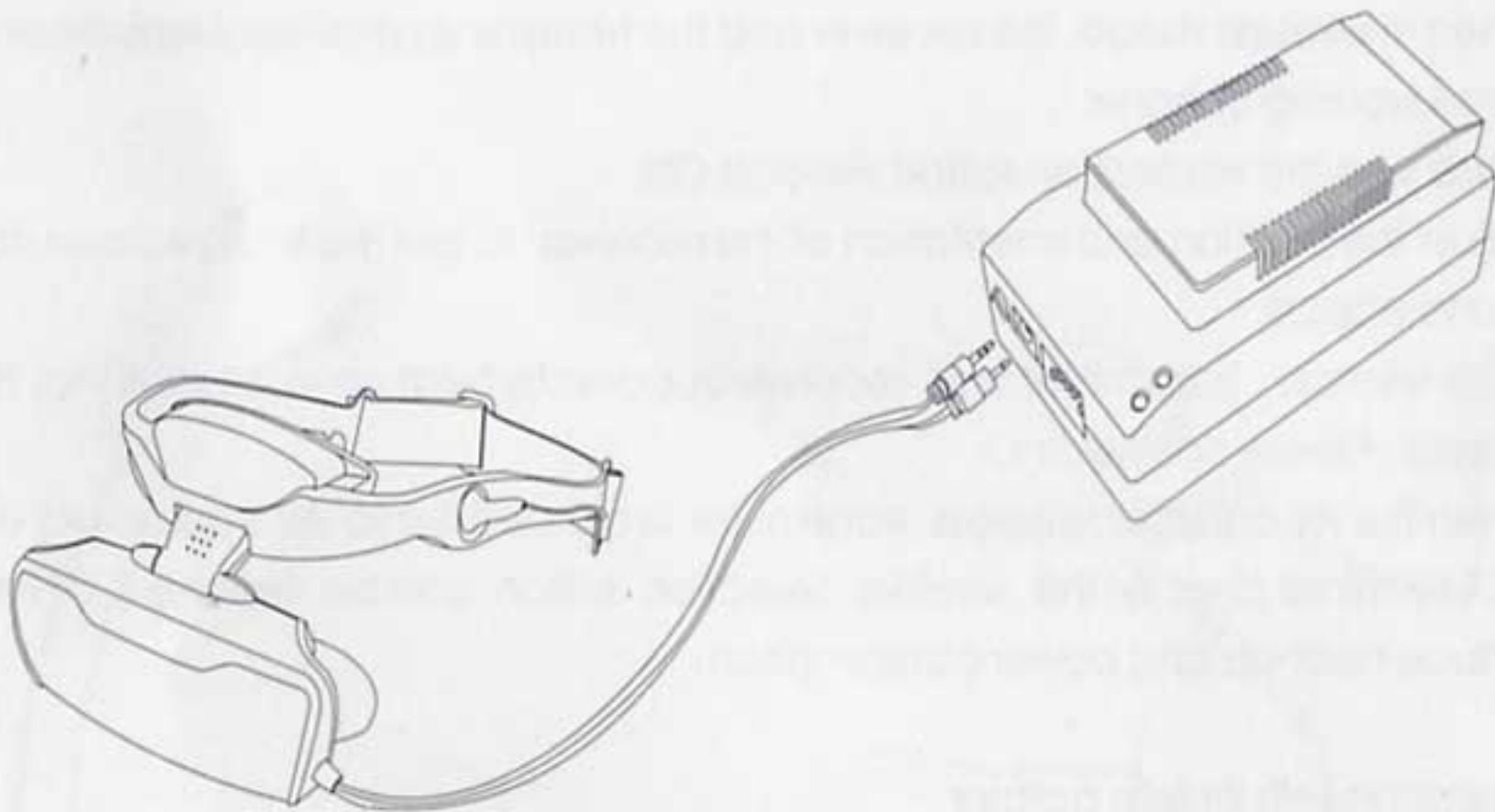
## 5. Operation with lithium battery

- 1) LP900 lithium batteries are especially designed for this product, adopt new polymer lithium technical, and are featured by high efficiency, security and small size.

2) According to the illustration below, install the lithium battery properly in the battery slot of the AV adapter, and make sure the working indicator of the adapter is on.



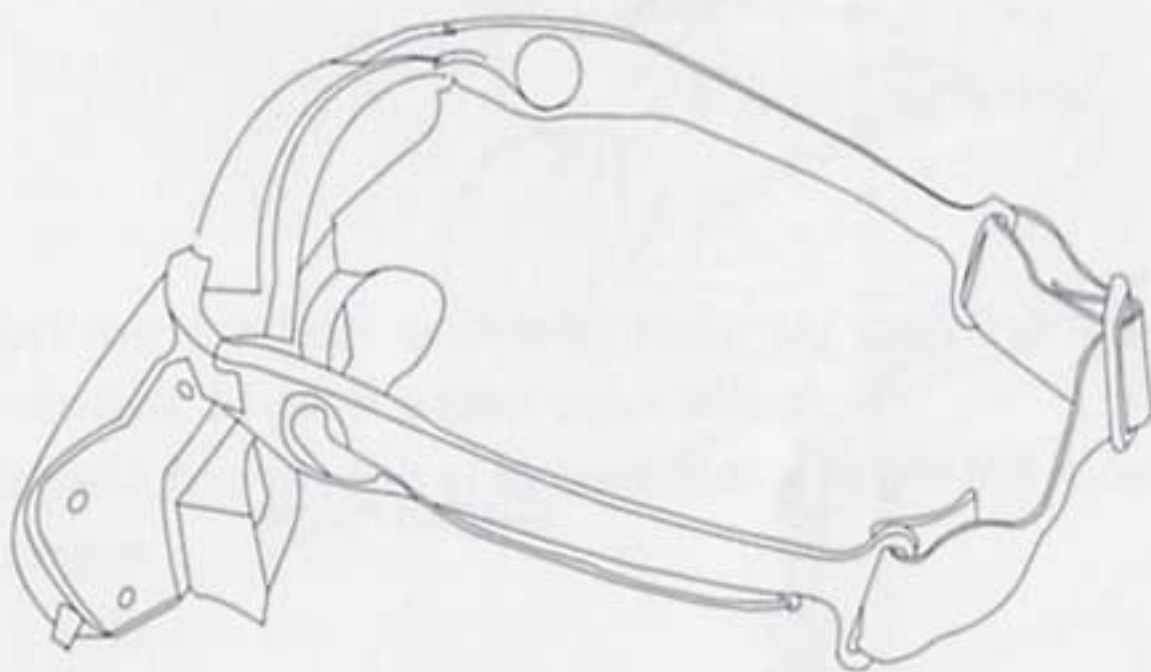
3) Insert the AV terminal and power terminal of the product into the AV and power terminal socket of the AV adapter (continuous serving time of a full lithium battery: up to 8 hours in the wire working mode, and 3 hours in the wireless working mode).



4) Remove the lithium battery from the adapter when you stop using the product

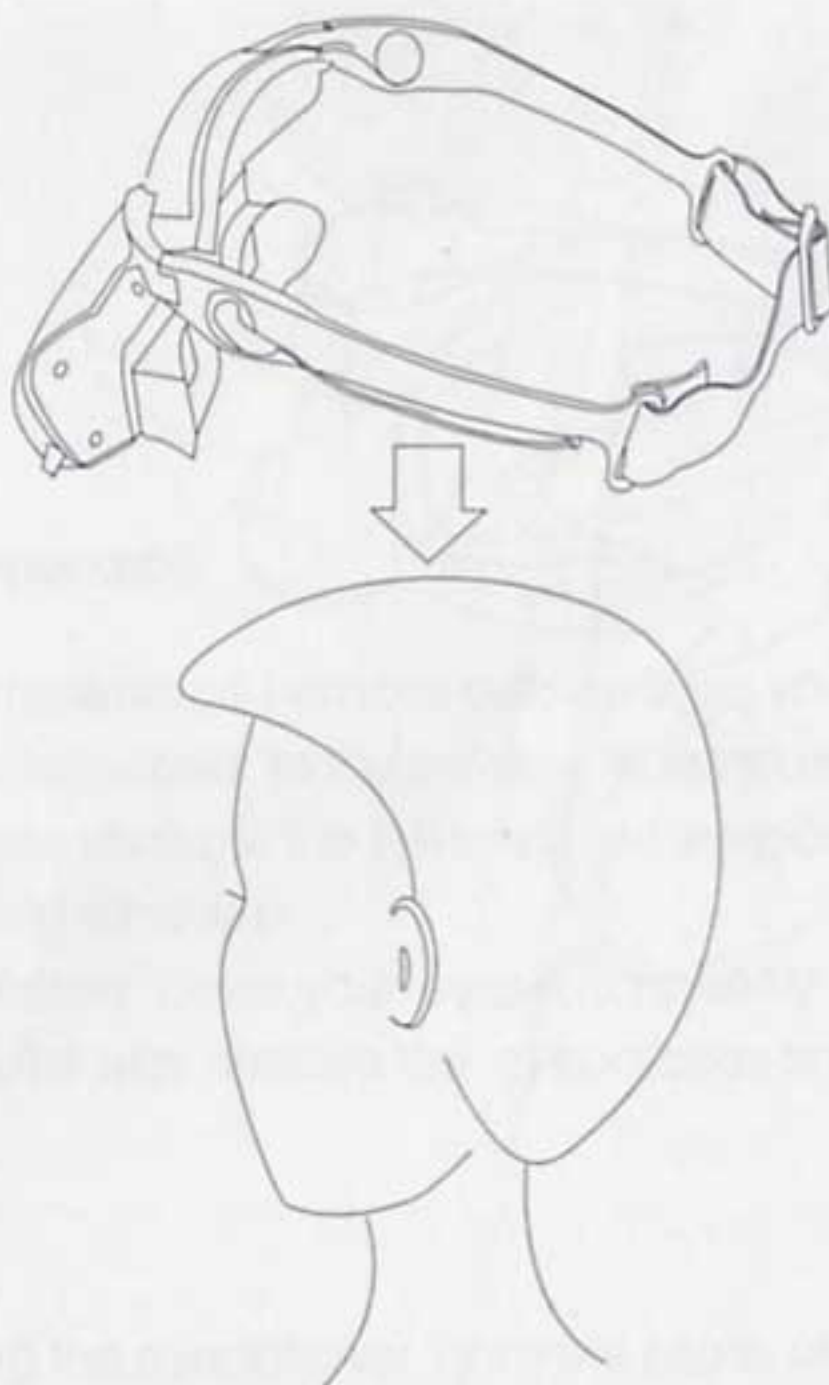
## Wearing display

1. Adjust the tension of the fastening strip, to fit your head.

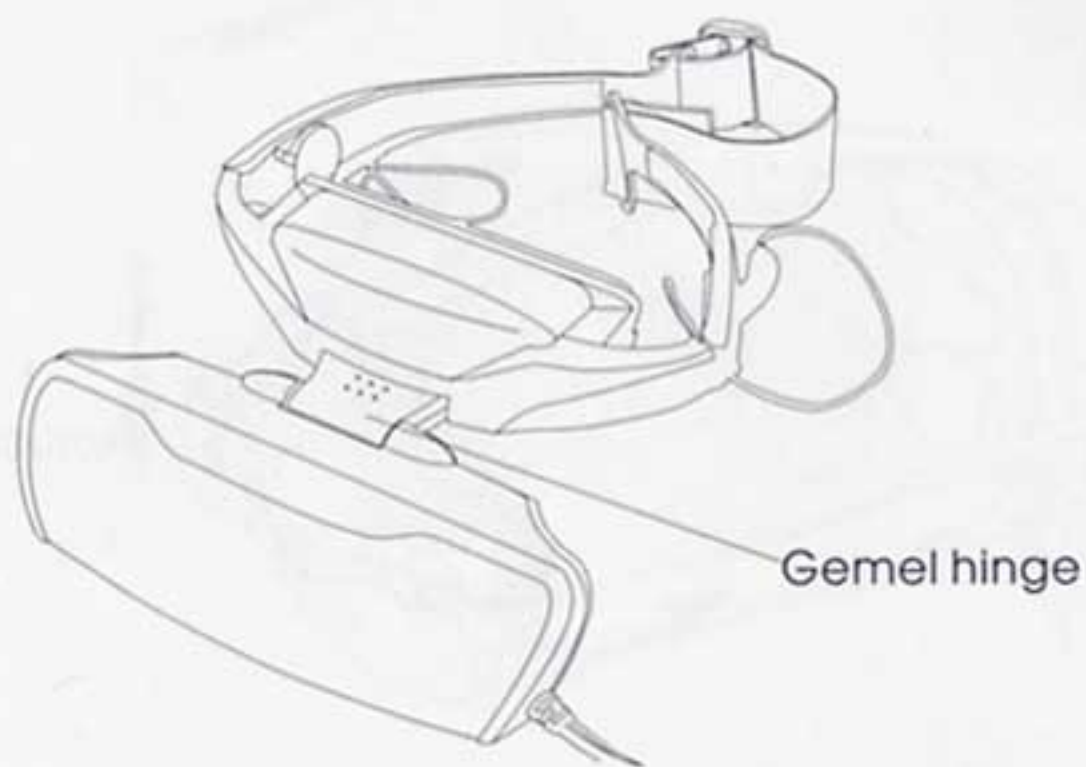


Adjust its position

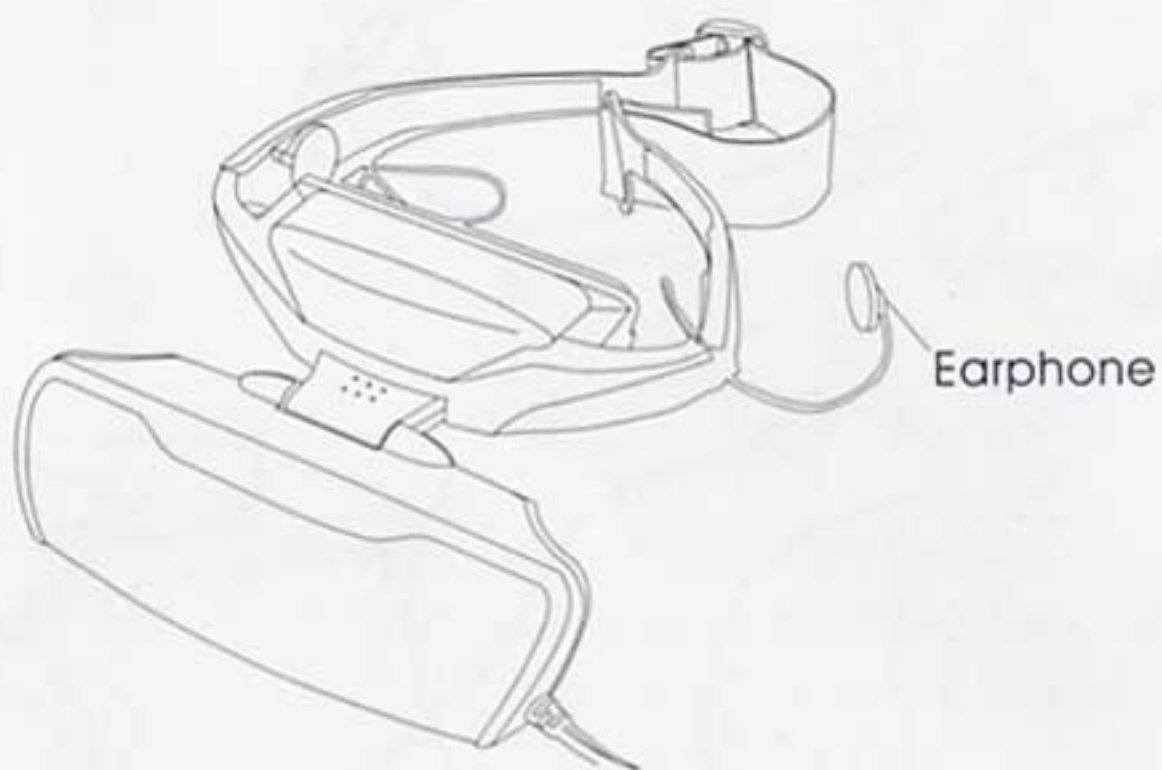
2. According to the illustration, put the product on your head.



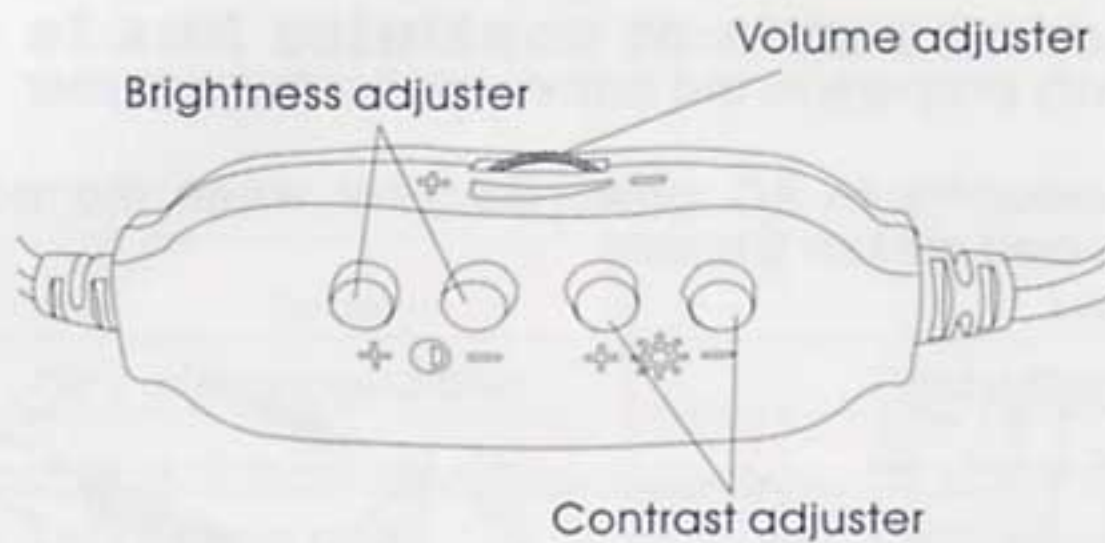
3. Adjust the wearing position and the gemel hinge, to make the viewing windows right before your eyes and close to your eyes as close as possible.



4. Pull the earphone out of the hole and wear it

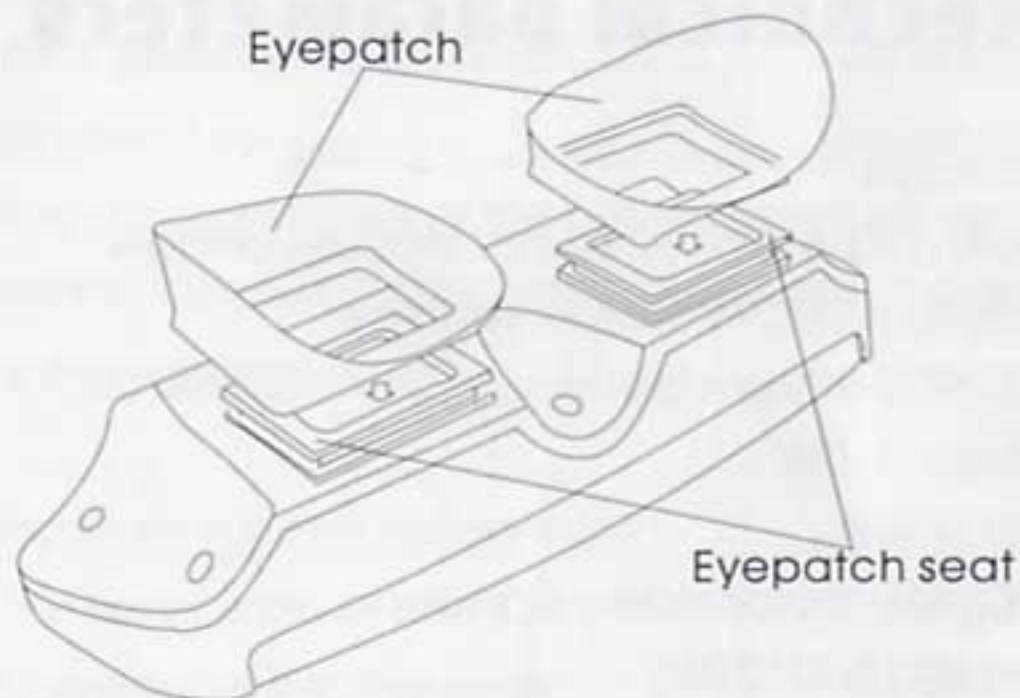


## Modulation of picture and sound



1. Adjust the contrast and brightness by pressing the + and - buttons on the control box, to get the best color effect.
2. Adjust volume via the volume adjuster to get the most suitable volume in the earphone

## Installation of eyepatch and earphone



To avoid the interference from the outside light, you are recommended to wear the eyepatch attached to the product when watching audiovisual programs. As illustrated, you shall put the left and right eyepatches into the seats in the left and right viewing windows.

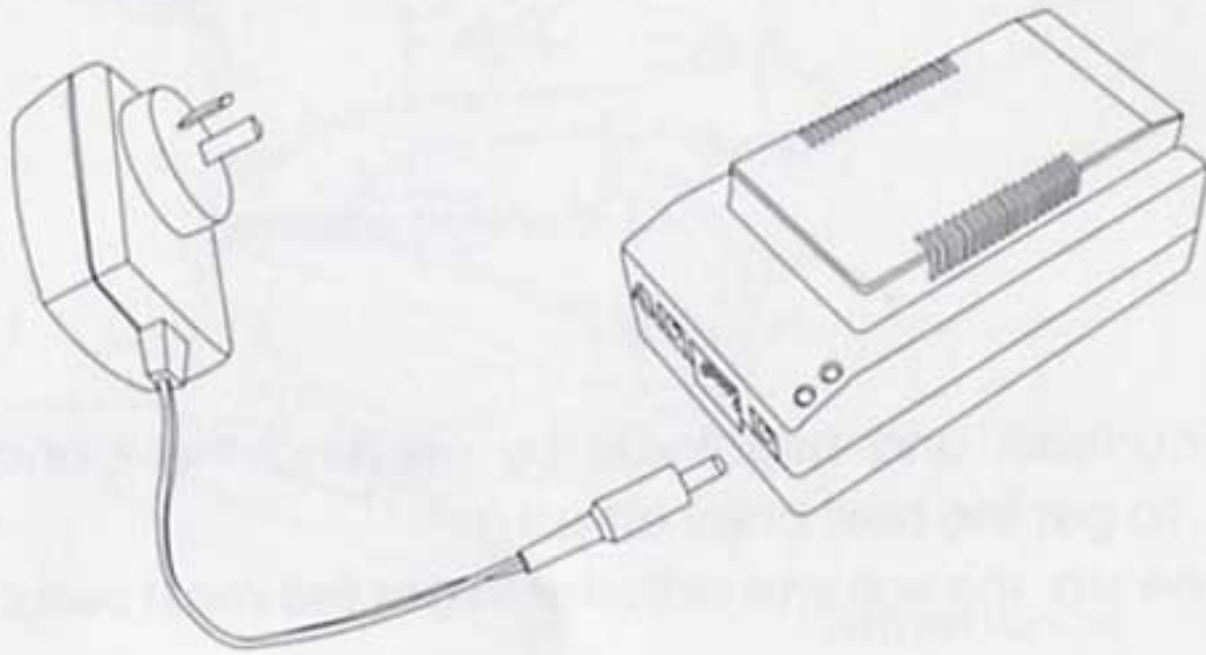
Let the eyepatches cover your eyes completely to avoid interference from outside light. After use, remove the eyepatches from the seats and keep them separately.

### \* Note:

When removing the eyepatches from the seats, please pull with care, avoiding too much force, or the eyepatch seats may fall off.

# Recharging battery

1. Install the battery properly in the battery slot of the adapter
2. Connect the adapter to AC power adapter. When the red indicator is on, charging starts and will last 2 hours.



3. When The charging indicator is off, and charging ends. Remove the battery.

## Major technical parameters

### 1. Power supply / voltage

Input power supply: DC 4.5V----DC 12V stable voltage

Power adapter: output DC 9V stable voltage

Lithium battery: LP900 lithium battery, 7.2V / 900mAh

Power consumption: 1.0W

### 2. Image

Input signal: NTSC/PAL color video signal

Pixel: 180,000 pixels (800\*225)

View angle: diagonal 26 degrees

Picture size: equal to 36-inch picture 2 meters away

### 3. Input terminal

AV input terminal: quadropole core  $\varnothing 3.5$

Image: 1 Vpp/72 $\Omega$  (off-balance)

Sound: 200mVrms/20K $\Omega$

Power input terminal: $\varnothing 4.0$

### 4. Service temperature

Working temperature: -20 $^{\circ}$ C-60 $^{\circ}$ C

Storage temperature: -20 $^{\circ}$ C-80 $^{\circ}$ C

### 5. Weight:200g

\* Above parameters may be modified without further indication.

## Analysis of and solutions to common malfunctions

Problem	Reason	Solution
No image	Dirty or damaged disc	Change disc
	Wrong direction of disc	Re-place the disc
	Dirty optical head	Clean the optical head
	Wrong connection or poor contact	Make re-connection
Not clear image	Display is improperly put on	Adjust the position of the display
	Brightness or contrast is not properly adjusted	Adjust the brightness or contrast
Sudden power cut-off	Poor contact of AC adapter	Reconnect to power supply
Image disappears	Chargeable battery is out of powerUse	AC adapter or recharge the battery
Some individual color points on the picture	The effective pixels of the LCD account for above 99.9%, and individual color points are not regarded as malfunction	
No sound	Improper volume adjustment	Adjust volume
Quick power consumption of the chargeable battery	The service life of the chargeable battery ends	Change new chargeable battery
In wireless AV mode, big interference of picture and sound	Close to strong magnetic field, or too big distance of Wireless transmitter and receiver.	Stop for a while or move wireless transmitter and receiver closer