




CAMERA SUNGLASSES
INSTRUCTION MANUAL

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I GENERAL DESCRIPTIONS

Basic Function

- 1、 Camera & MP3 player & portable storage disk USB 2.0 (high speed)
- 2、 Camera resolution: 1.3 mega pixels (1280x1024)
- 3、 Support music format: MP3 / WMA / ADPCM
- 4、 USB 2.0 (High Speed)
- 5、 Playing function: sequence, pause, resume
- 6、 Stereo earphone
- 7、 Automatically detect battery voltage and power indicator
- 8、 Power saving: automatically power off, if no button pressed in 1 hour under pause status
- 9、 Battery: rechargeable Li-ion battery (3.7V)
- 10、 1 double-color LED light:
 - Red color: light up / recharging; light off / recharging finished
 - Blue color: light up / power on; light off / power off or no power;
Flashing every 2 second /no music; flashing every 1 second / 20% power left or under pairing status
- 11、 3 buttons on sunglasses:
 - S1 (ON/OFF / ): left button
 - S2 (CAP/VOL+ / ): right-front button
 - S3 (BEEP/VOL- / ): right-rear button
- Note: **short press** means press the button once; **long press** means press and hold the button till operation finished.

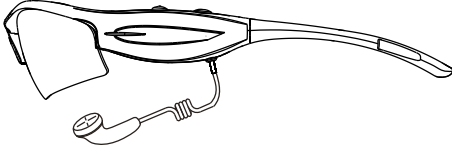
12. 2 buttons on remote control

- S4 (Capture):Top button

- S5 (Play/Pause): Side button

Accessories

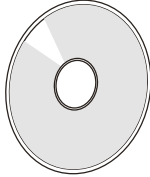
Below are the standard accessories in the packing, please check if they are complete.



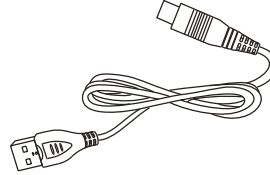
Camera sunglasses



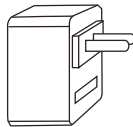
Instruction Manual



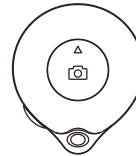
Installation CD
(only needed for windows 98)



USB extension cable



Charging adapter (optional)

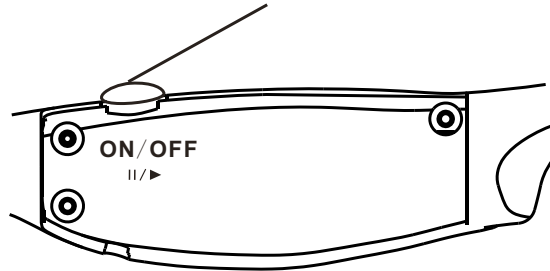


Remote control

II OPERATION

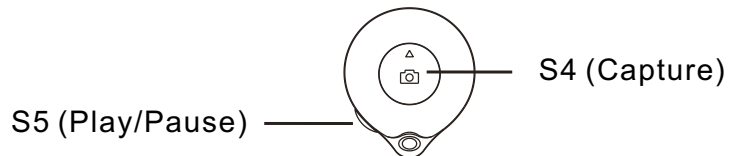
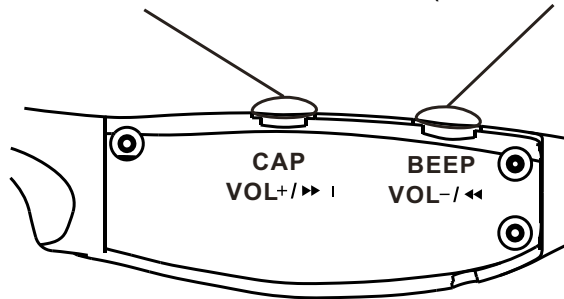
Button function overview

S1 (Power on/ power off / play / pause)



S2 (CAP /increase volume/forward)

S3 (BEEP/decrease volume/reverse)



Power on / power off

- **Power on:** long press button S1(Fig.1), blue LED light will on, power on.
- **Power off:** long press button S1(Fig.1), blue LED light flash 5 times (buzzer sounds 5 times on the earphone at the same time) then light off, power off. Under pause status, if there is no operation in 1 hour, sunglasses will automatically power off.
- If you are not sure whether the camera sunglasses is on or off, please short press button S3(Fig.2), if there is a “beep” sound on the earphone means it is on; if no sound, means it is already off.

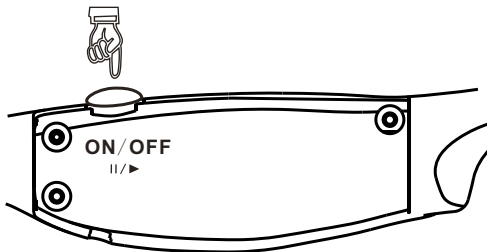


Fig.1

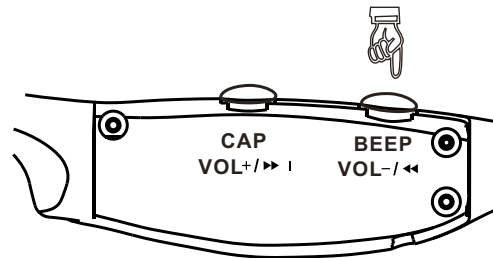


Fig.2

Capture

- Please turn on the camera sunglasses first, blue LED lights on. 10 seconds later, you can hear a “beep” sound. Camera function will only be ready after this “beep” sound. To capture, long press S2 (Fig.3), and you will hear 3 indicating sounds on the earphone (the first sound means start shooting, second sound means exposure finished, third sound means shooting finished). Please do not release button S2 until photo shooting is finished (third sound).

Above function is only available when music is paused.

Capture by remote control

- Please turn on the camera sunglasses first, blue LED lights on. 10 seconds later, you can hear a “beep” sound. Camera function will only be ready after this “beep” sound. To capture, long press S4 button on the remote-control under any mode (Fig.4), and you will hear 3 indicating sounds (the first sound means start shooting, second sound means exposure finished, third sound means shooting finished). Please do not release the button until photo shooting is finished (third sound).

After power on, above function is available under any mode, even when music is playing.

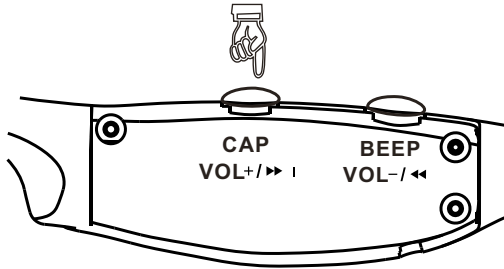


Fig.3

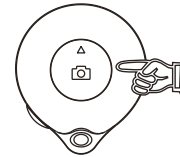


Fig.4

Indicating sounds review:

	Status	Indicating sounds
1	Capture	“beep”-----“doo”-----“beep”
2	Capture failure	“beep”-----“doo”-----“beep”-“beep”
		OR “beep”-----beep”-“beep”
3	Disk full	“beep”-----“beep”-“beep”-“beep”

- “-----” means length of time between 2 indicating sounds.

Note

- When taking photos, please keep your head still between the first 2 indicating sounds, otherwise photo will be blurred.
- Camera focus range 30cm~infinity. Photo will be blurred, if less than 30cm.
- Due to camera lens position, it might need some more practice for taking good photos by this camera sunglasses.

Play music

Please turn on the camera sunglasses first.

- Play: short press S1, music starts playing (Fig.5)
- Pause: short press S1, music pause (Fig.5)
- Next track: short press S2 when music playing (Fig.6)
- Previous track: short press S3 when music playing (Fig.7)
- Increase volume: long press S2 when music playing (Fig.6)
- Decrease volume: long press S3 when music playing (Fig.7)

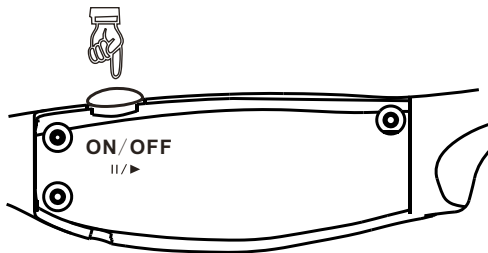


Fig.5

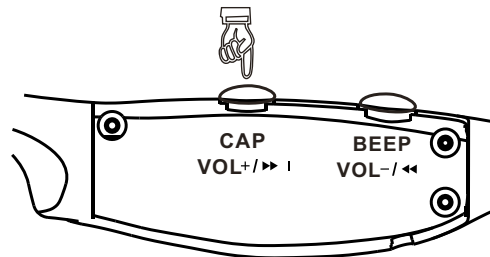


Fig.6

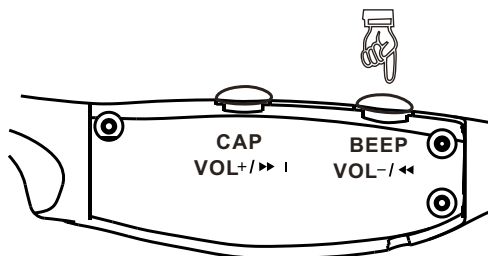


Fig.7

Play music by remote control

Please turn on the camera sunglasses first.

- Play /Pause music: short press S5 on the remote control, music start playing / pause. (Fig.8)

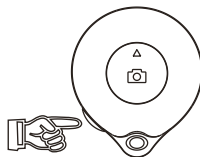
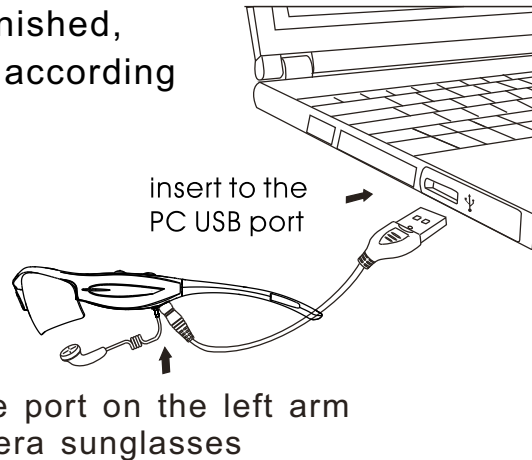


Fig.8

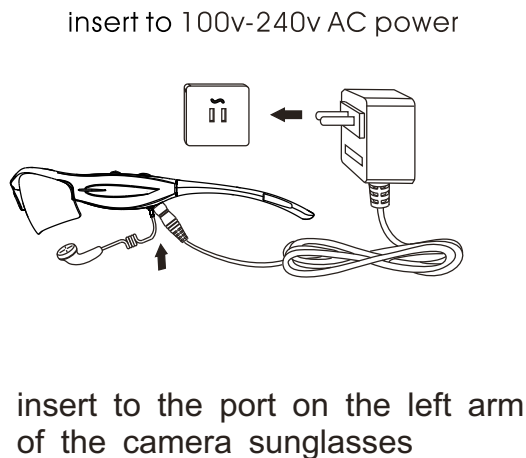
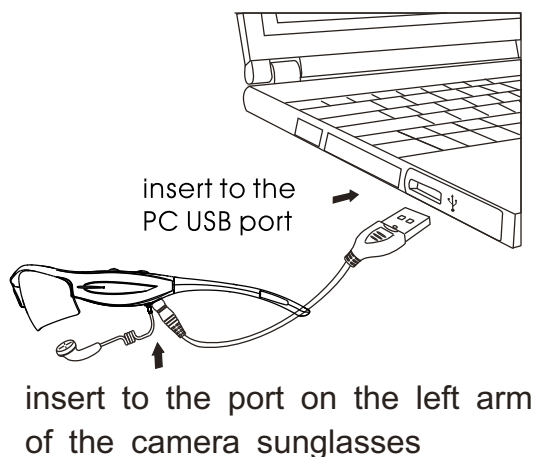
PC Connection

- 1) Firstly, use USB cable to connect USB port on the left arm of the sunglasses with PC USB port.
- 2) Red light on (when the battery is not full), recharging.
- 3) Turn on the camera sunglasses, blue LED light on.
- 4) Few seconds later, USB disk icon appear on the PC screen.
- 5) The blue LED flashes during data transmission (busy); the blue LED lights on during idle status.
- 6) When upload / download finished, disconnect the sunglasses according to the PC requirement.



Recharge

- When there is only 20% power left, there will be a “beep” sound every 10 seconds. Please recharge as soon as possible.
- To recharge, please connect the sunglasses with computer or charging adaptor (optional accessory) by using USB cable. We suggest turning off sunglasses first before recharge, as it will take longer time for recharging when sunglasses is on.
- During recharging, the red LED lights on. The light will be off when recharging finished.
- It usually takes 2 hours for recharging (when power is off)



Pair with remote-control

- 1) Long-press button S1 to turn on camera sunglasses, blue LED lights on(Fig.9).
- 2) Right after step 1, long press button S3, till blue LED light is flashing, then release S3(Fig.10). Now we enter the pairing status.
- 3) Long press S4 button on the remote-control, till LED light stops flashing, then release the button(Fig.11).
- 4) Pairing finished.

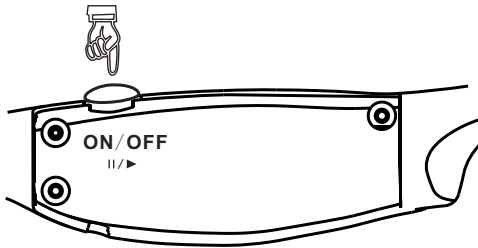


Fig.9

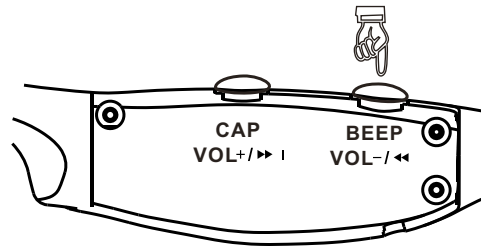


Fig.10

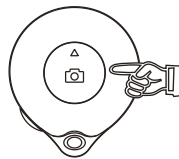


Fig.11

Note

- During pairing status, if press S1 or fail to press S4 button on remote-control in 2 minutes, it will automatically exit the pairing status.
- **The camera sunglasses is already successfully paired with right remote control. To avoid any unexpected situation, we do not recommend pairing with other remote control or pair again by yourself.**

Reset

When system is dead or under any faulty situation, please long press button S2 and S3 at the same time to reset.

III DRIVER INSTALLATION

System requirement

- IBM compatible PC
- Pentium 166MHz or faster
- Windows 98SE (driver needed), Windows ME/2000/XP/Vista
- USB (Universal Serial Bus) port
- Mac Os X / Mac Os 9.0 and above
- 64MB RAM or more
- 20MB free hard-disk space or more
- 4×CD-ROM driver or more
- Accessible to Internet (recommended)
- Note: user name has to be set as administrator under Windows 2000.

USB connection

- USB port on your PC is used for data transfer
- Check the USB port on your PC referring to its hardware instruction manual
- Blue LED lights on, when the USB port of camera sunglasses connects with the PC by USB cable.
- Under Windows 98SE, please make sure the driver for the camera sunglasses is successfully installed before connecting the device to PC.

Installation guide

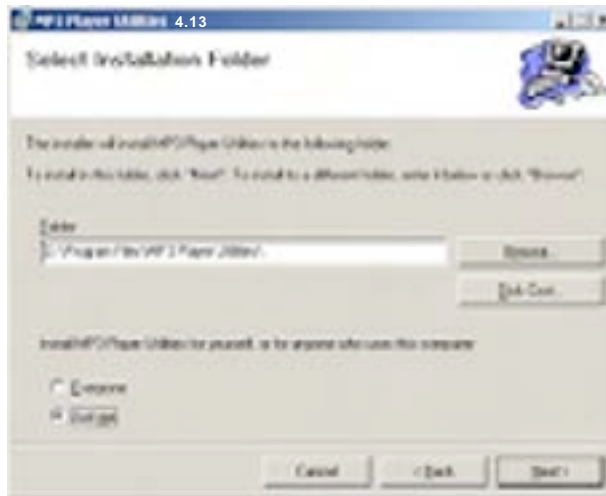
Install the USB driver:

Put the installation CD into CD-ROM Drive and then it will be installed automatically.

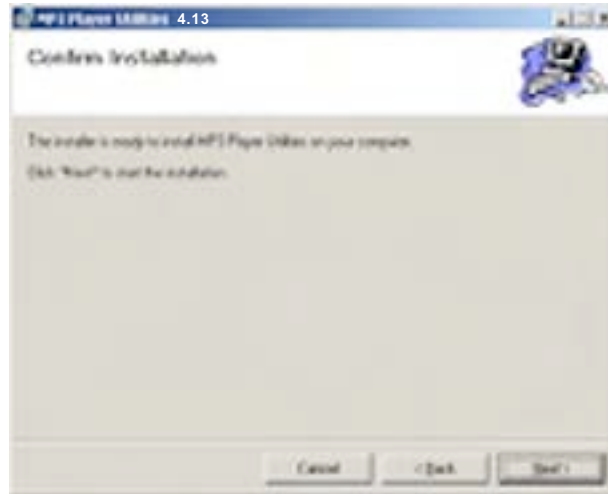
The following window will pop up:



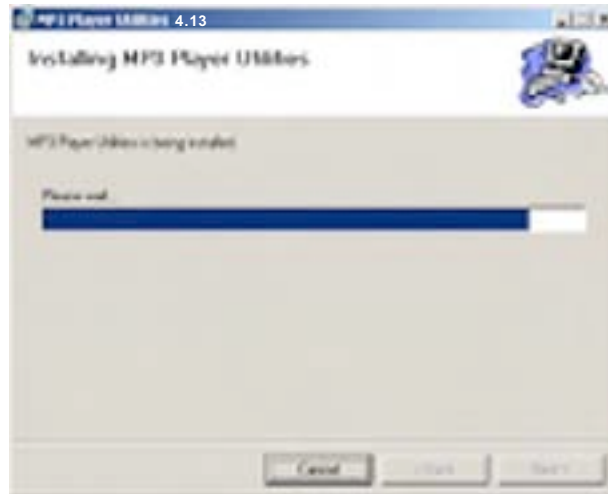
Click **Next** to continue



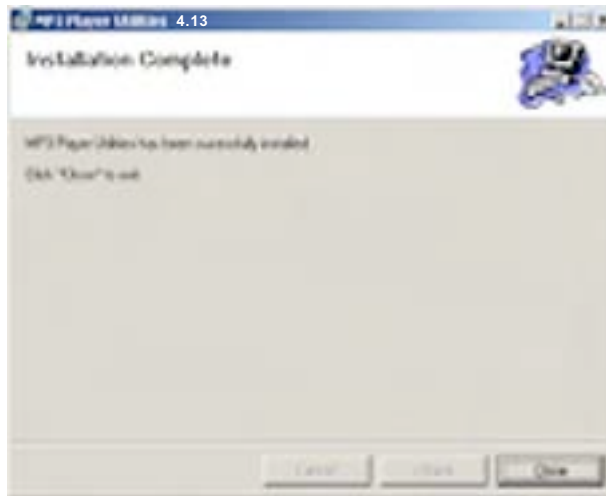
Select the installation folder and then click **Next**.



Click **Next** to start installation



Installation completed, and the window below will pop up



Click **Close** and restart your PC according to the PC requirement.

USB Disk Partition and Encrypt

(Note: USB disk partition and encrypt is not yet available under Windows Vista.)

1. Turn on the camera sunglasses.
2. Connect the camera sunglasses to PC (Please refer to **PC Connection**)
3. Click (Start) → (Program) → (MP3 Player Utilities 4.13) → (Mp3 Player Disk Tool)

The following windows will pop up.



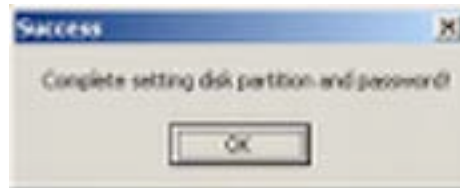
Select **Partition and Encrypt** and the window below will pop up.



Set suitable encrypted disk capacity.
Set new username and new password,
and then click **Start**.



Partition completed, the window below will pop up.



Click **OK**, and restart your PC according to PC requirement.

4. There will be two removable disks at this moment. The encrypted disk will show the following documents.



5. Click **RdiskDecrypt.exe**, and type in the correct username and password to open the disk.



6. Correct username and password are needed to open the encrypted disk, whenever connect the MP3 player to the PC.

IV CAUTIONS

1. Do not disassemble or change any part of the product that is not mentioned in this manual.
2. Do not pull or plug in the product with wet hands, which may cause short circuit of the product.
3. Do not expose the product to fire or excessive heat.
4. Do not expose the product to electromagnetic wave circumstances, which may cause malfunction of the product.
5. Ensure the USB plug is dry before connecting to computer to avoid damage by moisture.
6. Recharge the battery after power drained to prolong the battery life.

V TROUBLE-SHOOTING

Problem	Analysis	Solution
Unable to play MP3	Battery low	Recharge the battery
	Non standard MP3/WMA files	Delete this music, download standard MP3/WMA files
Buttons unworkable	Product fails to work properly	Press buttons S2 and S3 together to reset. Under normal working status, do not press button S2 and S3 together.

No Drive Letter	The USB plug not connected or loose.	Check USB connection
	The Manager Software did not installed successfully.	Reinstall the Manager Software
	The PC motherboard does not support USB port.	Upgrade the motherboard driver
	Camera sunglasses doesn't turn on.	Turn on the camera sunglasses
Sound skips or resets	MP3 file made at compression level exceeding 320kbps.	Using lower compressing level to record the file into MP3 format.
	Wrong music format/ damaged music file	Delete this music, download correct music file
Unable to download music and photos	USB cable broken or not connected properly with PC.	Check the USB connection and reinsert

VI PRODUCT SPECIFICATIONS

- **Capacity:** Built in flash memory 128MB/256MB/512MB/1GB/2GB/4GB
- **Photo storage:** around 1250 photos/128MB;
2,500 photos/256MB; 5,000 photos/512MB;
10,000 photos/1GB; 20,000 photos/2GB
- **Port:** Standard Mini USB port
- **Battery:** 240mAH /3.7V macromolecule polymer li-ion rechargeable battery
- **Recharging time:** 2 hours for fully charged
- **Battery life:** 2 hours (10 photos/min)
4 hours (5 photos/min)
9 hours (1 photo/min)
6 hours (play music)
- **Music playtime:** WMA format (64Kbps) :
4 hours/128MB; 8 hours/256MB; 16 hours/
512MB; 32hours/1GB; 64 hours/2GB
MP3 format (128Kbps) :
2 hours/128MB; 4 hours/256MB; 8 hours/
512MB; 16 hours/1GB; 32 hours/2GB
- **Compression level:** 32Kbps~320Kbps
- **S/N ratio:** 80dB
- **Earphone output:** 5mW+5mW
- **Frequency response:** 20Hz~20KHz
- **Working temperature:** -5℃ ~+50℃