Thank you for choosing NeckPhone.

Specifications and design may be changed without prior notice.
Before using this product, please read this manual carefully to ensure you know
how to operate it safely and correctly.
Please reserve this manual within your reach for proper use.

Class B	This product is designed to provide reasonable protection against harmful interference to radio frequency in a residential installation.

Notice

* Intermagic Corporation has reserved the right of this manual and NeckPhone software. Without prior approval, it is banned copy of parts or whole documents and distribute.

* Any type of files (MP2, MP3, MP3 Pro and WMA file) made from NeckPhone cannot be used for commercial purpose or any service except personal use. It will be in contravention of the law & Intellectual property if you do not follow this notice.

CONTENT

● **General Notice**

* Do not leave this product in hot or humid locations such as inside of a closed place under direct sunlight or beach in the summer and heater.
* Avoid from strong shock or drop
* Do not attempt to modify the device.
* Do not place the device on the top of or near electronic appliances such as TVs or refrigerators, etc.
* Do not disconnect USB cable during data uploading.
* Do not push band with heavy power.

● **Accessories**

Neckphone / USB Cable / User's Manual / CD-ROM (Install Program) /
Stereo Jack (for external device)

● **System Requirements**

Computer	: Pentium 133MHz or higher IBM Compatible PC supporting USB port
Memory	: 128MB / 256MB
HDD	: 500MB free space
CD-ROM Drive	: 4X speed or higher
Sound Card	: Sound Blaster Compatible
Operating System	: Windows® 98SE / ME / 2000 / XP

☞ We can not guarantee 100% compatibility to any PC system and it may cause some influence to depending on PC system.

● **Location of Controls and Connections** ●

VOLUME ●

LED ●

LINE-IN ●

REC/DEL ●

USB PORT ●

MODE ●

NeckBand ●
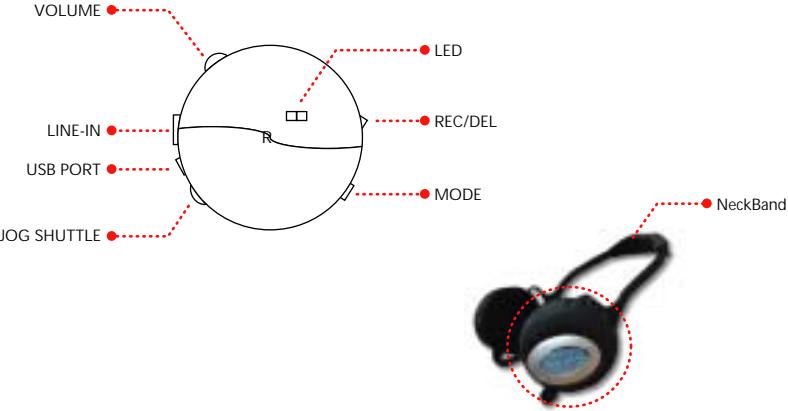
JOG SHUTTLE ●

Jog Shuttle	■ / ▶	Play / Stop, FM Radio ON/OFF, Recording Stop
	▶▶	Move to next file/Fast Forward/Increase frequency
	◀◀	Move to previous file/Fast Rewind/Decrease Frequency
Mode Key	MUSIC	Play Music file
	FM	FM Radio Selection & Recording
	ENCODING	Recording from external device audio source and using as headphone
Volume Key	Volume +	Increase
	Volume -	Decrease
REC/DEL Key	REC/DEL	Recording / Delete
USB Port	USB	Connecting with PC
External Port	LINE IN	Connecting with external device
LED	GREEN & RED	Display operating status

● Functions of Buttons per mode & led display

[BUTTON FUNCTIONS PER MODE]

● MUSIC Mode

Key	Function	Control
▶/■	Play / Pause / Stop	Push one time shortly
▶▶	Move to next file	Push one time shortly
	Move to after 10 song	Push two times shortly
	Fast Forward within file	As much as pushed
◀◀	Move to previous file	Push one time shortly
	Fast Backward before 10 song	Push two times shortly
	Fast Back ward within file	As much as pushed
REC/DEL	Delete current playing file	Push one time shortly

● FM Mode

Key	Function	Control
▶/■	FM Radio ON / OFF	Push one time shortly
	Stop FM recording	Push one time shortly
▶▶	Increase FM frequency(0.05MHz)	Push one time shortly
	Move to next Preset	Push two times shortly
	Auto Searching next FM frequency	Push longer than 1.5 sec.
◀◀	Decrease FM frequency(0.05MHz)	Push one time shortly
	Move to previous Preset	Push two times shortly
	Auto Searching previous FM frequency	Push longer than 1.5 sec.
REC/DEL	FM Radio Recording / Pause	Push one time shortly

● ENCODING Mode

Key	Function	Control
▶/■	Encoding Stop	Push one time shortly
	Converting to earphone / return	Push one time shortly
REC/DEL	Recording / Pause	Push one time shortly

[LED DISPLAY]

Mode	Status	LED	LED Display
Power	ON	GREEN & RED	Off after blinking 2~3 sec.
	OFF	GREEN & RED	Off
MUSIC	PLAY	GREEN	Off
		RED	Off
	PAUSE	GREEN & RED	Off
	Wait	GREEN & RED	Off
FM	FM Listening	GREEN	Blink
	FM Recording	RED	Off
		GREEN	Off
	FM Recording	RED	Blink
		GREEN & RED	Off
	Waiting	GREEN & RED	Off
ENCODING	Recording	GREEN	Off
		RED	Blink
	Headphone Function	GREEN	Blink
		RED	Off
	Headphone OFF	GREEN & RED	Off
	Waiting	GREEN & RED	Off

Battery Installation ●

1. Open battery Cover.
2. Insert 'AAA' Battery, after checking +, - and then cover up.

● Battery Change Indication
  If you hear beep sound continually between track and track, please change battery.

● **Power On/Off**

● **Power On**

Power on if push Jog Shuttle Button

● **Power Off**

Power off if Press Jog Shuttle Button longer than 1.5 sec.

Jog shuttle Button

Press longer than 1.5 sec.

*Auto Power off in any mode (MUSIC Mode, FM Mode, ENCODING Mode) without any operation longer than 60 sec.

*Remove battery if you do not use long time.

● **Delete**

1) During play,push REC/DEL button shortly to delete current file.
   You could hear voice guide for confirmation.
2) Push REC/DEL button again within 3 seconds to delete current file.

REC/DEL

If fail to push REC/DEL within 3 seconds after confirmation message or push other key, delete is cancelled.

● **Mode Selection / Volume Control**

● **Mode Selection**

Select among MUSIC / FM / ENCODING by mode switch
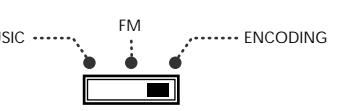
MUSIC .... FM .... ENCODING

*MUSIC Mode - Play MP2, MP3, MP3 Pro, WMA file
*FM Mode - Listening FM Radio & Recording
*ENCODING Mode - Recording any sound through external device by using LINE-IN and using as headphone

● **Volume Control**

Decrease volume by turning volume switch upward and increase volume by turning volume switch downward.
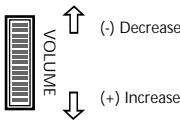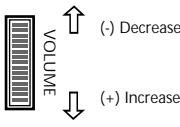
VOLUME

(-) Decrease

(+) Increase

*Battery Life is be variable according to Volume.

● **Play**

1) Select Music mode.
2) Push Jog Shuttle button downward(■/▶) shortly until hearing beep sound.
   Music file will be played.

Mode Selection Switch   Jog shuttle Button

MUSIC   FM   ENCODING
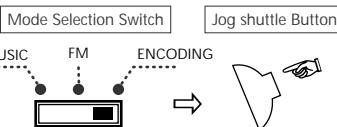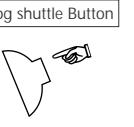
*Maximum 999 files can be stored in memory.
*NeckPhone plays MP2, MP3, MP3 Pro, WMA.
 But, you can use it as a storage device for all type of files.

● **Stop**

To stop play, push Jog Shuttle button(■/▶) during play. Push Jog Shuttle button(■/▶) Again to replay from last stop.

Jog shuttle Button
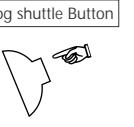
*If there is no operation longer than 60 seconds in a stop mode, it will be power off automatically.

● **Move**

< Move to next or previous file >
During play or stop, push ◄◄ or ►► key to move to next or previous file.

Push shortly
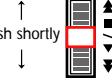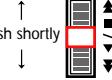
Move to previous file

Move to next file

< Jump up play by 10 files >
Double Click ◄◄ or ►► during stop or play mode jump up by 10 files.

Double Click
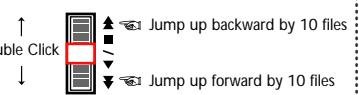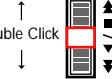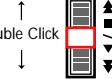
Jump up backward by 10 files

Jump up forward by 10 files

● **Fast Move with Current Track**

During play, push Jog Shuttle button toward ►► to rewind as much as you want within current track.

During play, push Jog Shuttle button toward ◄◄ to forward as much as you want within current track.

If file ends up, it will play next or previous song.

Push as long as you want
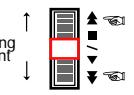
*This function is useful for language study or Search.

● FM Mode

● FM Radio On / Off

FM Radio On

Switch to FM Mode and then turn on the FM Radio.

FM Radio Off

Push Jog Shuttle button (■ / ▶) shortly FM Radio off and push again shortly return to FM Radio on.

Mode Selection Switch

MUSIC   FM   ENCODING

⇩
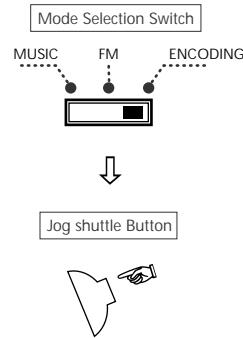
Jog shuttle Button

● Change & Searching Frequency

<Change Frequency>

During Radio on, push Jog Shuttle button shortly toward ▶▶ to increase frequency by 0.05MHz

During Radio on, push Jog Shuttle button shortly toward ◀◀ to decrease frequency by 0.05MHz

↑
Push shortly   Increase frequency by 0.05 MHz
↓   Increase frequency by 0.05 MHz

<Radio Station Search>
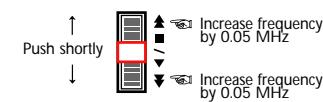
During Radio on, push Jog Shuttle button toward ▶▶ longer than 0.5 sec. to search Radio Station automatically.

During Radio on, push Jog Shuttle button shortly toward ◀◀ to decrease frequency by 0.05MHz

↑
Push longer than 0.5 sec.   Auto Search Radio Station by frequency increase
↓   Auto Search Radio Station by frequency decrease
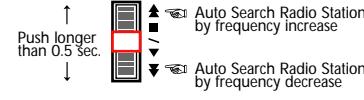
● Move to Preset

During Radio on, double click Jog Shuttle button toward ▶▶ to move to Preset automatically with frequency increase.

During Radio on, double click Jog Shuttle button toward ◀◀ to move to Preset automatically with frequency decrease.

↑
Double Click   Move to Preset with frequency increase
↓   Move to Preset with frequency decrease
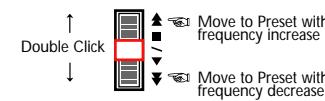
*Preset can be set up by PC manager.

*If preset is not selected, it will move to frequency previously selected more than 1 min.

● FM Radio Recording

During Radio on, push   REC/DEL button one time shortly to start recording.

Push Jog Shuttle button (■ / ▶) downward to stop recording.

REC/DEL

Start Recording

⇩

Jog shuttle Button

Stop Recording

*It record as MP3 format which can be played in MUSIC mode.

*Recorded file is named as ENC001, ENC002 by number increasing and name can be changed by PC manager.
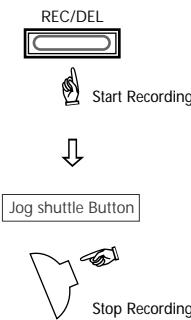
● **Encoding Mode**

● **Using as headphone of External audio device**

< Connecting with External device >

Play after connecting Line-In of NeckPhone using stereo jack to Cassette player, CD player, etc.

**< Using as headphone of External device >**

Select ENCODING mode.
Push Jog Shuttle button (■/▶) downward one time shortly to hear sound by NeckPhone as headphone through external device.

Mode Selection Switch

MUSIC   FM   ENCODING
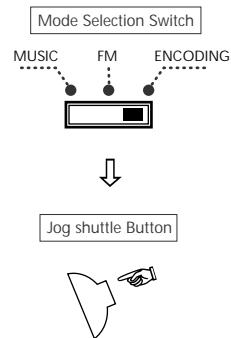
Jog shuttle Button

● **Recording through external audio device**

Push REC/DEL key one time shortly to record sound from external device which is connected through Line-In. Push REC/DEL button again to pause.
To stop recording, push Jog Shuttle button (■/▶) downward one time.
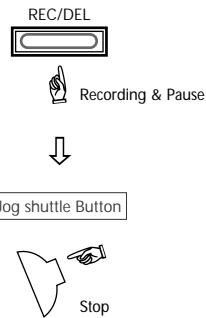
REC/DEL

Recording & Pause

Jog shuttle Button

Stop

*It record as MP3 format which can be played in MUSIC mode.
*Recorded file is named as ENC001, ENC002 by number increasing and name can be changed by PC manager.

NeckPhone Manager Program Installation ●

If you connect NeckPhone to PC before software installation, you must setup by manual. So, please connect it after software installation as mentioned in manual.

1. Load Install CD. Then, setup starts automatically.
   (In case setup does not run automatically, please click setup.exe.)

2. Click Next button after showing "Welcome" Dialogue.
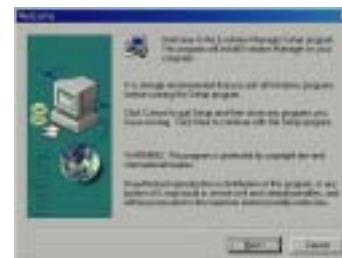
3. Click "Next" button after selecting destination folder.

4. Click "Next" button after selecting program folder.

5. Installation Processing
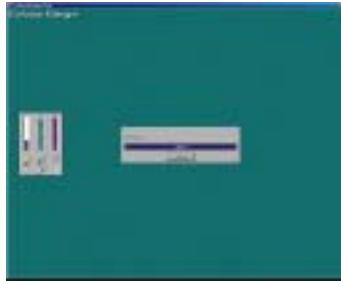

6. Click "Finish" button to finish Installation.

Connecting NeckPhone with PC ●

1. After opening cover of USB port, plug USB cable to Couple-it II.
2. After power on of Neckphone, connect opposite side of USB Cable to PC.
3. Hardware Driver Setup will start automatically with the message of "recognized new hardware".

Device Driver Installation ●

1. Check the connection between Neckphone and PC.
2. Select "Auto Installation(Recommended)", and then, press "Next" button.
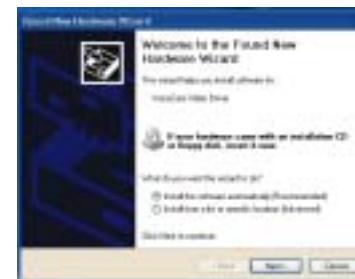
3. Press "Finish" button.

Notice: WindowsR XP Driver

Click "Next" button to progress setup when following message appears in Windows XP environment.

● **NeckPhone Manager Menu & Function**

Show per file format ●┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈

Show PC Directory ●┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈┈

Change playsequence ●┈┈┈┈┈┈┈┈┈┈┈┈┈┈

Upload :
Send file to PC ●┈┈┈┈┈┈┈┈

Download :
Send file to Player ●┈┈┈┈┈┈┈┈

Refresh
: Renew content of memory ●┈┈┈┈┈┈

Delete
: Remove file ●┈┈┈┈┈┈

Memory Format
Initialize ●┈┈┈┈┈┈

Equalizer Mode Setting
Select sound mode ●┈┈┈┈┈┈

Show file name on PC ●┈┈┈┈┈┈┈┈┈┈┈┈

Show memory size on player ●┈┈┈┈┈┈
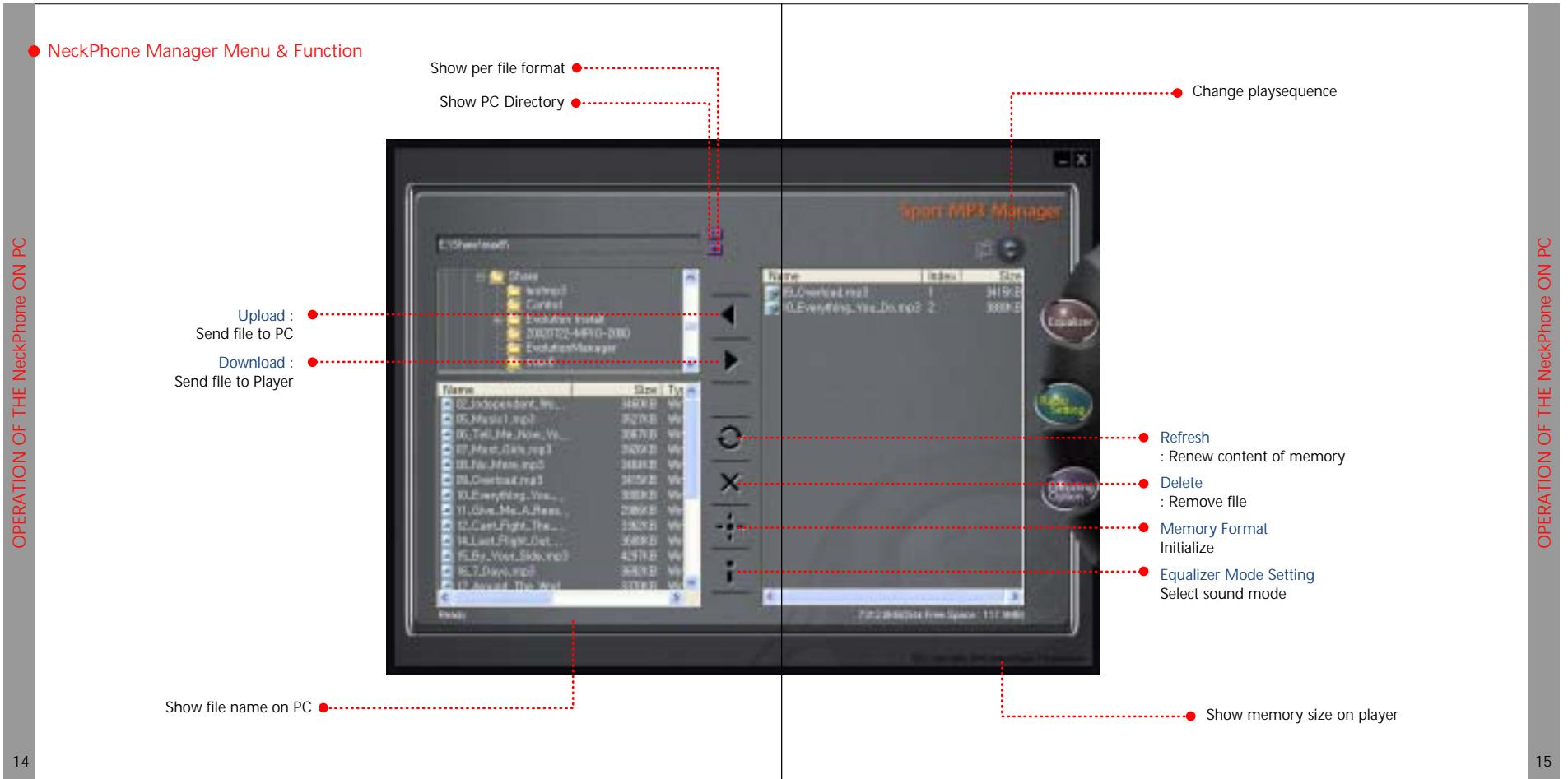
● **How to Use NeckPhone Manager**

● **Start PC Manager**

Double Click icon of PC Manager on background.

Double Click

● **Format flash memory**

Press [ ] icon to format flash memory

● **Save file on NeckPhone**

Press [ ] icon or drag & drop to window on right side after selecting file
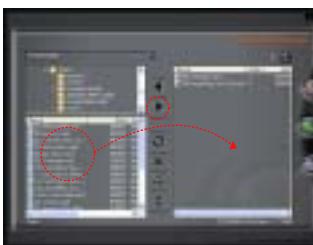

● **Save file on PC**

Press [ ] icon or drag & drop to window on left side after selecting file
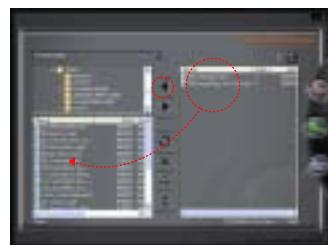
*Do not plug out USB cable during file download. If it is not working properly, remove battery and then insert again.

● **Delete file on NeckPhone**

Press [ ] icon or "Delete" Key after selecting file.

● **Refresh**

Press [ ] icon to renew information of memory.

● **Equalizer Mode**

Select [ ] icon, then pop up Equalizer window.

Select sound mode.

NORMAL	: Normal Sound
CLASSIC	: Using for classical mode
LIVE	: Using for vivid sound
POP	: Using for pop music
ROCK	: Using for rock music
AUTO	: Auto selectable according to song

● **Recording Quality**

Press [icon] icon. Then, pop up new window.

Select quality of recording sound

HIGH -128kbps
LOW - 32kbps

● **Sync Setup**

Press [icon] icon. Then, pop up new window.

There is 3 mode as follows.

*Sync Off - Press "REC/DEL" button to start recording.
 Press "REC/DEL" button again to stop recording.

*Sync On - Start recording if there is input through
 Line-in and pause recording if there is no input after
 press "REC/DEL" button.

*CD Sync - Start recording if there is input through
 Line-in and pause recording if there is no input after
 press "REC/DEL" button.

If there is new input, start recording as new file.

● **FM preset**

Press [icon] icon. Then, pop up new window.

Up to 10 preset selectable

Press "Radio Set" button to memorize
preset to NeckPhone.

● **Specification**

|	
Model Name	EV-256 NFX
SIZE	160(D)x170(W)x70(H)mm
Weight	App.80g (without battery)
Battery	1EA of 1.5V AAA size battery
Storage	128 / 256 MB
PC Interface	USB 1.1, Over 4Mbps
Audio Format	MP2, MP3, MP3Pro, WMA
Equalizer	Normal, Classic, Live, Pop, Rock, Auto
Encoding Quality	High(128kbps) / Low(32kbps)
FM Radio	87.5MHz ~ 108.1MHz
Download Speed	12Mbps
Audio Output	10mA x 2, 32 Ω x 2
Frequency Range	20Hz ~ 20kHz
S/N Ratio of DAC	96dB
THD	88dB
Battery Time	Over 7 Hours
Frequency Range	FO ~ 4.5KHz
Power Consumption	80mA(MP3 mode)
Function Keys	Volume Up / Down, Play/Pause/Stop/FF/REW (Jog Shutter Control), Power On/Off,Rec/Del
File System	FAT 12/16 Compatible

● **Troubleshooting**

- Unable to work
1) Check battery life.
2) Check +, - pole of battery.
3) Remove battery. Then, insert again.

- Not working by pressing button
Check POWER ON/OFF button.

- Unable to download file
Check the connection between PC and Neckphone

- Unable to recognize Neckphone
1) Check whether Neckphone Manager is working correctly.
2) Check USB cable.
3) Check power of Neckphone.

- Poor Sound Quality
Check bite rate of MP3, WMA file.

- Unable to play
Check memory of Neckphone whether including MP3, WMA file.

Thank you very much for your purchase of our product.
You can be serviced on free charge of repair for one year since you purchased our product.
Please fill in the date you bought certainly and have a good quality service.

Warranty Contents
1. We will repair this product on free charge in case abnormal operation happens if everything is normal for one year since the Date you purchased it.
2. When following abnormalities happen, you have to charge the money of technology and machine stuff. Therefore please read user manual carefully before you use it.
! When abnormality happened because customers did wrong operation or repaired or modified it carelessly.
! When abnormality happened when you have it repaired the person who doesn Øt belong to an agent or service center of this product.
! When abnormality happened because used power used power supply is not proper.
! When abnormality happened because connections are not stable.
! When abnormality happened by natural disasters such as fire, earthquakes, floods, thunderbolts and so on.

Product Name			
Model Name		Serial No.	
Date of Purchase		Purchaser Tel.	
Purchaser Add.			
Warranty Period	You can be serviced repair on free charge for one year.		
Customer	Address		
	Name		
	Tel.		

* Please fill in the blanks on your purchase.
* Please contact us for the repair of this product.

● FCC RF INTERFERENCE STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions :
(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception which can be determined by turning. The equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio, TV technical for help.
 - Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.