

# Mini DV

## 用户手册

全球最小的高清数字录像机

随时随地录影/监控, 轻松捕捉生活精彩



**G200**  
**Pocket**  
Video Recorder

 **Web Camera**  
for Online Chat  
**SHADOW CONTROL**  
**RECORDING**

使用前请仔细阅读此说明书，并妥善保管，以备需要时查阅。

# 前言

感谢您购买G200高清数字录像机。本产品超小、精致、独到的人性化设计令您可以轻松捕捉生活中的精彩时刻,配合万向支架使用可方便地安装于桌面、墙壁、汽车中控台等场合,实现全方位监控、录影。

本用户手册将详细说明如何使用和安装本产品,同时提供给您详细的信息,包括使用、操作、安装注意事项及技术规格等。使用前请仔细阅读本手册并完全理解,请妥善保存本手册,我们希望本产品能满足您的需求并长期服务于您!

## 产品保证

本产品经FCC & CE等权威机构认证符合推荐指标,顾客使用具有安全保证。



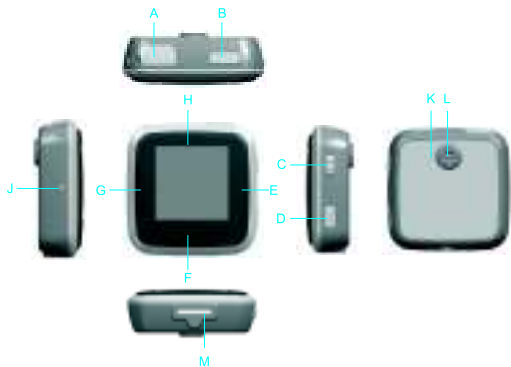
请勿乱扔废弃物, 请回收利用!



# 产品特性

- > 超小体积机身设计，方便各种场合轻松录影/监控；
- > 带PC摄像机功能，轻松享受网络生活；
- > AVI格式视频录制，方便PC直接播放，轻松上传视频网站；
- > 低照度，200万高清摄像头；
- > 高速动态录影，明暗环境瞬间响应；
- > 视频输出:1280×960×30帧/秒；
- > 内置锂电池可供2小时持续使用
- > 最大支持8G存储卡；
- > 配合小型万向支架使用,达到全角度录影/监控功能;

# 控件和连接概述



A		USB端口
B		录像、停止、播放
C	POWER	电源开关
D	MODE	工作模式切换键
E		向前导航, 快进, 取消删除
F		变焦缩小
G		向后导航, 快退, 关屏, 删除
H		变焦放大
J	CHARGE	充电指示灯
K	MIC	麦克风
L	LEN	摄像镜头
M	TF	TF卡座

# 1 录像

1. 插入MICRO SD卡。
2. 把电源开关拨到ON位置, 开机后机器处于录像取景模式。  
显示如下:



录像取景模式下各标志含义:

左上方的电池标志代表电量;

正上方的时间数字代表存储卡大致可录时长;

右上方的录像机标志代表录像取景模式。

录像取景模式下各按键功能:

MODE 键可切换到其他工作模式; ▼ ▲键可实现数码变焦; ■/●键可开始录像;

长按 ◀键可实现关闭屏幕, 此时系统仍然处于录像取景模式, 各功能保持不变;

关屏状态下长按 ▶键可以重新打开屏幕。

注意: 录像取景模式下若2分钟无动作, 为了节约电量系统会自动关机, 按一下 ■/●键重新开机。

3. 按 ■/●键, 进入录像模式并开始录像, 此时屏幕上方显示并跳动红色时间值, 代表已录像时长, 如下图:



4. 录像过程中按一下 **■/●** 键, 则停止录像并返回到录像取景模式, 所录视频保存为\*. AVI。

## 2 拍照

1. 在录像取景模式或者录像过程中按一下**MODE**键, 则进入拍照模式, 如下图:



拍照模式下各标志含义:

左上方的电池标志代表电量;

右上方的绿色相机标志代表拍照模式。

拍照模式下各按键功能:

**MODE** 键可切换到其他工作模式; **▼ ▲** 键可实现数码变焦; 短按**■/●**键可拍照;

长按**◀**键可实现关闭屏幕, 此时系统仍然处于录像取景模式, 各功能保持不变;

关屏状态下长按**◀**键可以重新打开屏幕。

注意: 若在录像过程中按 **MODE** 键进入拍照模式, 系统会自动保存所录视频文件。

拍照模式下若2分钟无动作, 为了节约电量系统会自动关机, 按一下 **■/●** 键重新开机。

2. 在拍照模式下按一下 **■/●** 键, 则拍照一张并自动保存图片文件, 文件格式为\*. JPG。

## 3 单独录音

1. 本机器有录像同步录音功能,除此之外还有单独录音功能。  
在拍照模式下按一下**MODE**键,则进入单独录音模式,如下图:



单独录音模式下各标志含义:

左上方的电池标志代表电量;

正上方的时间数字代表存储卡大致可录音时长;

单独录音模式下各按键功能:

**MODE**键可切换到其他工作模式;短按**■/●**键可开始录音;

长按**◀**键可实现关闭屏幕,此时系统仍然处于录像取景模式,各功能保持不变;

关屏状态下长按**◀**键可以重新打开屏幕。

注意:单独录音模式下若2分钟无动作,为了节约电量系统会自动关机,

按一下**■/●**键重新开机。

2. 在单独录音模式下按一下**■/●**键,则开始录音,屏幕正上方显示并跳动红色时间值,代表已录音时长。录音过程中按一下**■/●**键,则停止录音并自动保存录音文件,文件格式为\*.WAV。



## 4 移动侦测录像

1. 在单独录音模式下按一下**MODE**键,则进入移动侦测录像模式,如下图:



移动侦测录像模式下各标志含义:

左上方的电池标志代表电量;

正上方的时间数字代表存储卡大致可录时长;

右上方的录像机及**M**标志代表移动侦测录像模式。

移动侦测录像模式下各按键功能:

**MODE**键可切换到其他工作模式;

长按 **◀** 键可实现关闭屏幕,此时系统仍然处于录像取景模式,各功能保持不变;

关屏状态下长按 **◀** 键可以重新打开屏幕。

2. 在移动侦测录像模式下,按 **■/●** 键无效,系统将自动侦测取景画面的动静情况,若画面静止不动,则系统不录像;若画面有动作(包括画面中有物体移动或者光线的明暗变化),系统将自动开始录像,直到画面重新静止20秒后才停止录像并保存视频文件;此时若画面重新有移动则系统又会自动开始录像。要退出移动侦测录像模式,请按**MODE**键,此时系统若正在录像,系统会自动保存视频文件。

## 5 浏览与回放

1. 在移动侦测录像模式下按一下**MODE**键,则进入浏览与回放模式,你可以浏览并回放所拍视频或照片。按**◀**或**▶**键进行浏览。

A. 当浏览视频文件时,界面如下:



此时,按**■/●**键可以开始播放文件;播放视频过程中按**■/●**键可以暂停播放;按**▼**键可以退出播放。播放视频过程中按**▶**键,可以改变播放速度,按一下切换一种速度;分别有>>1X, >>2X, >>4X, >>8X等4种顺时播放速度可选;播放视频过程中按**◀**键,可以改为逆时播放,按一下切换一种速度;同样有<<1X, <<2X, <<4X, <<8X等4种逆时播放速度可选。

浏览视频文件时,长按**◀**键会出现删除文件确认界面,此时按**◀**可以删除文件,按**▶**可以取消。

视频浏览、播放模式下各标志含义:

左上方的电池标志代表电量;>>1X、>>2X代表播放速度;

正上方的时间数字代表该视频文件时长;

右上方的蓝色箭头及录像机标志代表该文件为视频文件。

右下方的白色数字代表该视频文件名编号。

视频浏览、播放模式下各按键功能:

MODE键可切换到其他工作模式;按◀、▶键可以选择文件;■/●键可以开始播放或暂停播放视频;在播放视频过程中按◀、▶键可以改变播放方式以及播放速度;在播放视频过程中按▼键可以退出播放;长按◀键可删除文件。

## B. 当浏览图片文件时, 界面如下:



此时, 按▲▼键可放大、缩小图片;在放大状态下按■/●键, 会出现四个箭头;此时分别按▲▼◀▶键可移动画面。长按◀键会出现删除文件确认界面, 此时按◀可以删除文件, 按▶可以取消。

图片浏览模式下各标志含义:

左上方的电池标志代表电量;

右上方的蓝色箭头代表当前处于图片浏览模式;

右下方的白色数字为该图片文件名编号。

C. 当浏览录音文件时，界面如下：



由于本机没有内置扬声器，所以无法在机器上播放录音文件，请在PC上播放录音文件。长按◀键会出现删除文件确认界面，此时按◀可以删除文件，按▶可以取消。

录音文件浏览模式下各标志含义：

左上方的电池标志代表电量；

正上方的时间数字代表该音频文件时长；

右上方的蓝色箭头代表处于录音浏览模式；

右下方的白色数字代表该视频文件名编号。



## 6 连接电脑及充电

完成录像后,如下图所示,使用USB 数据线,将所录的画面复制或剪切到电脑里播放, 同时也可将MicroSD卡取出, 使用读卡器来读取卡中的影像数据。推荐使用Media Player,KM Player等播放软件播放。



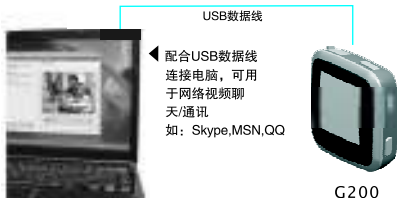
注意:

G200连接到电脑时,要注意以下几种情况:

- 1 通过USB连接电脑, G200可以当移动磁盘使用。
- 2 按住   键并连接电脑, G200可以当PC CAMERA使用。
- 3 连接USB后, 系统会自动进行充电, 此时CHARGE灯亮。
- 4 使用原配的充电器, 可实现一边充电一边录像, 适用于长时间监控场合。
- 5 拔插USB数据线前, 请先关闭G200电源;我们建议关机充电。

## 7 PC摄像机功能

G200亦可当PC摄像机使用,在使用前请安装光盘中所附带的驱动软件,按住 ■/● 键并连接电脑,在电脑上会出现一个标准的视频设备,此时就可当PC摄像机使用。



一些第三方应用软件也能观看PC摄像机的实时视频,并能将实时视频存储在本地电脑上,如: Amcap等。

注意:

要使用G200的PC CAMERA功能,必须先按住 ■/● 键再连接电脑,否则只能使用移动磁盘功能。

## 8 支架的安装

G200可以手持拍摄，亦可配合支架安装到多种场合使用，如下图：



万向支架



安装于桌面上



安装于墙壁上

G200机身通过螺丝与万向支架紧固;万向支架可通过魔术贴粘附于桌面或墙壁上,亦可通过螺钉安装。

## 9 设置系统时间

G200有录像时间同步记录功能，录像时的日期及时间会显示于视频画面左上角。例如显示为2010-01-01 10:08:28。

如何设置系统时间：

把DV连接电脑，在可移动磁盘根目录建立一个文件名为Time.txt的文本文件，打开该文件，键入如下格式的日期及时间信息：2010.01.06 10:08:28

保存文件，断开连接，重新启动机器即可。



# 性能及参数

像素	200 万 CMOS
视角	72°
最小照度	1Lux
电池容量	350mAH
持续录像时间	2小时
功耗	120mA/3.7V(最大)
储藏温度	-10°-70℃
操作温度	-10℃-60℃
操作湿度	15-85%RH
记忆卡类型	Micro SD 卡(TF 卡)
记忆卡容量	最大支持8G
录像支持格式	视频编解码采用Motion JPEG,录制AVI 文件格式VGA(1280×960×30帧/秒)
USB接口	USB1.1/2.0
操作系统	2000/XP/Vista
充电时间	2小时左右
重量	30g(大约)
尺寸	46*46*16MM(大约)

注意:

规格参数可能会因升级,更新等原因而做变更,以实物为准。

# 包装配件



Micro SD卡



USB线



光碟



充电器



万向支架



包



支架用魔术贴



安装铁钉



挂绳

注意:

图片可能与实物略有差异,若包装有变更,恕不另行通知。

# 电源

本产品使用通过权威认证的电源。



UL 标志  
美国电源认证



C-TICK 标志  
澳洲电源认证



CE 标志  
欧盟电源认证



GS 标志  
德国电源认证



CCC 标志  
中国电源认证



PSE 标志  
日本电源认证



BS 标志  
英国电源认证

## 注意:

电源使用期间，表面可能会升温，属于正常现象，如需携带电源，请将电源从插座上取出。

# Mini DV

## USER MANUAL

The Smallest Digital Video Camera in the World  
With High Definition Resolution

Memorize Every Wonderful Moment With Our Cool Recording Gadget



Please read this user manual carefully and thoroughly before any attempt to install and operate this product and retain it for your future reference.

## INTRODUCTION

Thank you for purchasing G200. G200 has the unique, ultra-small and delicate design. It can be used in many recording situations.

G200 brings more convenience, safety and fun to your daily life.

### Approval Information

All our products meet the requirements of approval FCC or CE, and are granted the FCC or CE certification. They are authorized to bear FCC or CE mark.

**FCC**  
This product 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.

### CE

This product complies with standards including Low Voltage Device

Directive 73/23/EEC; EMC Directive 89/336/EEC and R&TTE Directive 1999/5/EC. It passed the subject tests by the authority concerned and is authorized to bear CE mark.

#### EU Environmental Protection

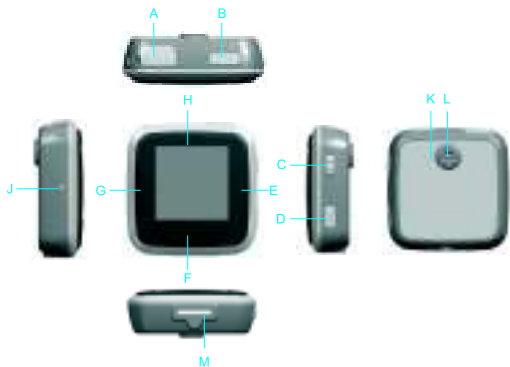
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.



## FEATURES

- > Web camera for online video chat
- > Motion Detetion (Shadow Control)
- > Support AVI video format
- > Low illumination,high resolution image with 2000K pixels
- > High speed recording and quick light response
- > 30 frames per second for 1280×960 video output
- >Support USB1.1/2.0
- >Support 8G Micro SD Card(Max)
- > Built-in Li rechargeable battery lasting for 2 hours
- > 1.44 TFT screen

# Overview of controls and connections



A		USB port
B		Record, stop, play
C	POWER	Power
D	MODE	Mode switch
E		Forward navigation, fast forward, Cancel delete
F		Zoom out
G		Backward navigation, fast backward, shut down screen, Delete
H		Zoom in
J	CHARGE	Charging indicator
K	MIC	Microphone
L	LEN	Camera
M	TF	TF CARD



# 1 Video recording

1. Insert MICRO SD card.
2. Switch power button to ON, after switch on, the machine is in video viewing mode. Displayed as follows:



Meaning of each symbol in Video Viewing mode:

Battery mark on top-left means power;

Figures on the top means how long it can record on memory card;

Camera symbol on top-right means it is in Video Viewing mode.

Keys's function in Video Viewing mode:

Press **MODE** to switch to other operating mode; press **▼ ▲** to digital zooming; press **■/●** to start recording;

A long press on **◀** can shut off the screen, at this moment the system is still in Video Viewing mode, all functions remains the same;

A long press on **◀** can re-open the screen in off-screen mode.

Attention: If there is no action over two minutes, system will be automatically shut down in order to save power, press **■/●** to reboot.

3. Press **■/●** to enter Recording mode and start recording, at this moment the screen displays red moving figure on the top which

means the time already recorded. Shows as follows:



4. In recording process, press  , then stop recording and return to Video Viewing mode, the recorded video is saved as \*. AVI.

## 2 Camera

1. In Video Viewing mode or during video recording, press **MODE**, then enter the Camera mode, shows as follows:



Meaning of each symbol under Camera mode,:

Battery mark on top-left means power;

Green camera symbol on top-right means it is in Camera mode.

Keys's function in Camera mode:

Press **MODE** to switch to other operating mode; press **▼ ▲** to digital zooming; a short press on **■/●** can take photo;

A long press on **◀** can shut off the screen, at this moment the system is still in Video Viewing mode, all functions remains the same; A long press on **▶** can re-open the screen in off-screen mode.

Attention: If you press **MODE** to enter Camera mode during recording, the system will automatically save the recorded video file.

If there is no action over two minutes, system will be automatically shut down in order to save electricity, press **■/●** to reboot.

2. Under Camera mode, press **■/●** , it will take one picture and automatically save it in format of \*.JPG.

## 3 Voice recording

1. This machine has video and audio synchronized recording function, it also has sole voice recording function.

Press **MODE** under Camera mode, then enter voice recording mode, shows as follows:



Meaning of each symbol under voice recording mode,:

Battery mark on top-left means power;

Figures on the top means how long it can record on memory card;

Keys's function in voice recording mode:

Press **MODE** to switch to other operating mode; a short press on **■/●** to start voice recording; A long press on **◀** can shut off the screen, at this moment the system is still in Video Viewing mode, all functions remains the same; A long press on **▶** can re-open the screen under off-screen mode.

Attention: If there is no action over two minutes, system will be automatically shut down in order to save electricity, press **■/●** to reboot.

2. Press **■/●** to start voice recording in voice recording mode, at this moment the screen displays red moving figures on the top which means the time already recorded. Press **■/●** during recording, it will stop and automatically save the voice in format of \*.WAV.

## 4 Motion detection recording

1. Press **MODE** in voice recording mode, then enter motion detection recording mode, shows as follows:



Meaning of each symbol in motion detection recording mode:

Battery mark on top-left means power;

Figures on the top means how long it can record on memory card;

Recorder and M marks on top-right mean motion detection recording mode.

Keys's function in motion detection recording mode:

Press **MODE** to switch to other operating mode;

A long press on ◀ can shut off the screen, at this moment the system is still in Video Viewing mode, all functions remains the same; A long press on ▶ can re-open the screen under off-screen mode.

Attention: If there is no action over two minutes, system will be automatically shut down in order to save electricity, press ■/● to reboot.

2. It does not work to press ■/● in motion detection recording mode, the system will automatically detect the viewing conditions, if it is stationary, then the system will stand by; if there are action in viewing (including object moves or light shade changes in the screen), the system will automatically begin recording until the images stop again for 20 seconds and save the video file; at this moment, if there is movement, it will restart recording. To quit motion detection recording mode, press **MODE**, when the system is recording, it will automatically save the video files.

## 5 Browse and playback

1. Press **MODE** in motion detection recording mode, then enter browse ▶ and ▶ playback mode, shows as follows:
- A. When browse video files, the interface shows as follows:



At this moment, press **■/●** to play the file; press **■/●** to pause during playing; press **▼** to quit the playing. Press **▶** to change the playback speed during playing, one press for a speed; there are respectively four uptime playback speed options, such as **>> 1X, >> 2X, >> 4X, >> 8X**; press **◀** to change to reverse-time playback, one press for a speed; it also has four reverse-time playback speed options, such as **<< 1X, << 2X, << 4X, << 8X**; When browse video files, a long press on **◀** will appear confirmation interface to delete files, press **◀** can delete files and press **▶** to cancel.

Meaning of each symbol in browse and playback mode:

Battery mark on top-left means power; **>> 1X, >> 2X** means play speed;

Figures on the top means the length of the video file;

Blue arrow and recorder marks on top-right means this is video file.

White figures at right bottom means the number of this video file.

Keys's function in browse and playback mode:

Press **MODE** to switch to other operating mode; press **◀, ▶** to choose files; press **■/●** to start or pause playing;

Press **◀, ▶** to change the play mode and speed during playing; press **▼** to quit playing during playing; a long press on **◀** to delete files.

B. When browse picture files, the interface shows as follows:



At this moment, press ▲▼ to zoom in and out the picture; press ■/● there will show four arrows in zooming in mode; press ▲▼◀▶ to move the picture. A long press on ◀ will appear confirmation interface to delete files, press ◀ can delete files and press ▶ to cancel.

Meaning of each symbol in browse picture mode:

Battery mark on top-left means power;

Blue arrow and recorder marks it is in browse picture mode;

White figures at right bottom means the number of this picture file.

C. When browse audio files, the interface shows as follows:



Since this machine has not built-in speaker, so the machine can not play audio files, please play audio files on PC. A long press on ◀ will appear confirmation interface to delete files, press ◀ can delete files and press ▶ to cancel.

Meaning of each symbol in browse audio mode:

Battery mark on top-left means power;

Figures on the top means the length of the audio file;

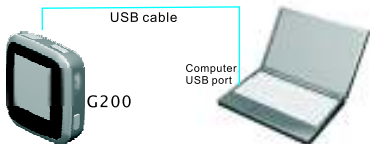
Blue arrow on top-right means it is in browse audio mode.

White figures at right bottom means the number of this audio file.

## 6



## Connection to computer and charge

After the completion of recording, as shows in below, use USB cable to copy or cut the recorded files to computer for playing. You can also take out the MicroSD card and use a card reader to get the recorded data. We recommend Media Player, KMPlayer, etc. to play the files.





### Attention:

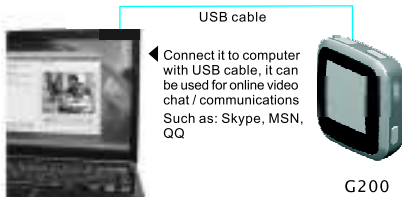
When G200 connected to a computer, pay attention to the following situations:

- 1 G200 can be used as a removable disk when connected with computer through USB cable.
- 2 Hold / and connect it to a computer, G200 can be used as PC CAMERA.
- 3 After connected to computer through USB cable, the machine will be automatically charged, the **CHARGE** lights will be turned on.
- 4 Use attached charger, it can realize recording and charging at same time, this is suitable for long time monitoring.
- 5 Before plug USB cable, be sure to turn off G200 power; we recommend to charge when the machine is off.



## 7 PC camera

G200 can also be used as PC camera, install the software in attached CD before use, hold / and connected it to a computer, a standard video equipment will appear on the computer, at this moment, it can be used as PC camera.



Some third-party applications can also view real-time video of PC camera, and they can save the real-time video on local computer, such as Amcap and so on.

**Attention:**

To use the PC camera function, you must hold / then connect it to the computer, or it can only be used as a removable disk.

## 8 Bracket installation

G200 can shot in hand, it also can be installed on a variety of occasions, as the follows:



Gimbals



Installed on a desk



Installed on a wall

Fixed G200 and gimbals through screw; the gimbals can be pasted on a desk or a wall through magic tape, it also can be installed by screw.

# 9

## Set system time

G200 has the function of synchronous time recording during recording video, the date and time of video recording is displayed on the top left corner of the screen, for example in following form: 2010-01-01 10:08:28.

### **How to set system time:**

Connect DV to PC, create a test file in name of Time.txt under the root directory of the removable disk, and then open the file and input date and time information in following format:2010.01.06 10:08:28

Store the file, disconnect DV and PC, and then re-start the device.

## SPECIFICATIONS

Pixel	2000000color CMOS
View Angle	72°
Minimum Illumination	1 Lux(min)
Battery Capacity	350mAH
Usage Duration	2h
Consumption Current	180mA/3.7V(Max.)
Store Temperature	-10°C-70°C
Operation Temperature	-10°C-60°C
Operation Humidity	15-80%RH
Memory medium	Micro SD card (TF Card)
SD Capability	Max 8GB Micro SC Card
Video Function and Format	Video decode use motion JPEG, recording for AVI format VGA(1280×960×30 frame/second)
USB Jack	USB 1.1/2.0
Operation System	2000/XP/Vista 32
Store Consumption	1GB pre 40min
Charge Time	2h(approx.)
Weight	30g(approx.)
Dimension	46*46*16MM(approx.)

### NOTICE:

Specifications are subject to minor change with upgrade and update. Please base on real object.

## PACKING CONTENTS



Micro SD Card



USB Cable



CD



Adapter



Multi-Bracket



Pouch



Velcro for bracket



Nails



Chain

### NOTICE:

The picture may vary from the actual object.

## ADAPTER

This product always conforms to the authenticated AC adapter. The adapter should be marked one of the following:



### UL Mark

American power supply authentication



### C-TICK

Australia power supply authentication



### CE Mark

European Union power supply authentication



### PSE Mark

Japan power supply authentication



### CCC Mark

China power supply authentication



### BS Mark

British power supply authentication



### GS Mark

German power supply authentication

#### NOTICE:

When using the power adapter, make sure the rating voltage on it is compatible with that of the device to avoid potential damages resulting from incorrect usage of power supply.

