EMF Meter Instructions

If you have any questions, please feel free to contact us. Please don't forget that we offer 12 months warranty and lifetime technical support.

Please Note:
The display will be frozen if you press hold button or VPP button, About the explanation of button you can read instruction carefully.
When the reading more than 40V/m or 0.4μT(4 mG), it will be warning and the screen turns red because the radiation will be harmful to the human body if beyond that range. Please keep away these devices.
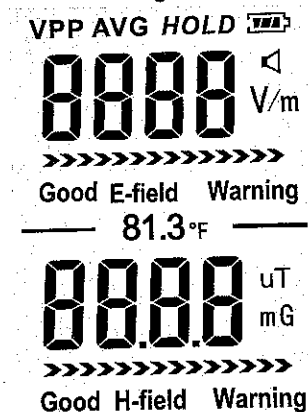
Contents

I . Introduction

Electromagnetic field meter (EMF meter) can test electric field radiation and magnetic field emission to reach the optimal test result. It is used to test and understand electromagnetic radiation in indoor and outdoor situation. It is equipped with a built-in electromagnetic radiation sensor, which can display the radiation value on LCD digital display after processing by the micro-control chip. You can make reasonable processing or taking effective prevention measures toward the electromagnetic radiation according to the test result.

Strong electromagnetic radiation may and destroy original bioelectric current and biomagnetic field in human body and cause abnormity of the original electromagnetic field in human body. The elderly, children and the pregnant are susceptible to electromagnetic radiation.

Artificial electromagnetic radiation sources include all kinds of electric appliances and devices. By fair use of household appliances and taking reasonable precaution measures, electromagnetic radiation can be effectively prevented and reduced.

II. LCD display and part names
1.Full screen LCD: as shown in the figure below

VPP AVG *HOLD*

8888 V/m

≫≫≫≫≫≫≫≫≫≫≫

Good E-field   Warning

—— 81.3 °F ——

88.88 uT mG

≫≫≫≫≫≫≫≫≫≫≫

Good H-field   Warning

III. Part names: as shown in the figure below

A. Front sensing area
B. LCD display
C. Power On and Off / Hold button
D. Average/Peak value mode switch button/
   Buzzer switch
E. Unit switch button
F. Charging port
G. Indicator light
H. Temperature
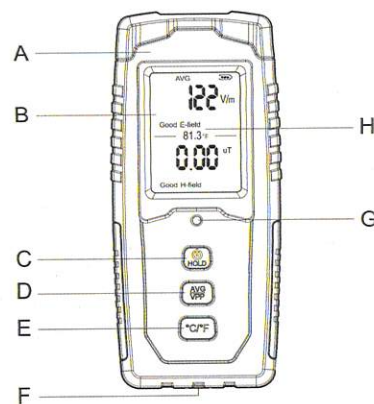
IV.Operation Instruction

1.Turn on/Turn off
Short press power on "HOLD" button to turn on the detector, measured value of current electric field and magnetic field will be displayed on the screen. Long press power off button to tum off the detector. Detector will automatically shut down after 5 minutes without operation.

2.Measurement
Hold the instrument with hand, with front sensing area slowly approaching electromagnetic radiation source to be tested. **Note: Please do not cover the sensors at the top of the meter with your hand or other objects.** When the reading more than 40V/m or 0. 4μT(4 mG), it will be warning and the screen turns red, the indicator light will flash and the buzzer will alarm.

Why does it alarm at 40V/m or 0.4μT?
The International Cancer Research Center has determined that magnetic pollution is a carcinogenic factor. When the magnetic field intensity in the living environment exceeds 0.4μT(4 mG), the incidence rate of childhood leukemia increases significantly. If the electric field is more than 40V/m or the magnetic field is more than 0.4μT(4 mG), these radiation will be harmful to the human body. So people can't stay in this environment for a long time.

3.Data HOLD
After startup, short press power on "HOLD" button, reading will be locked and "HOLD" icon shows on the screen; Press again to resume normal measurement, "HOLD" icon will not display.

4.Average / peak value mode

After startup, short press "AVG/VPP " button to switch between average value mode and peak value mode; average value mode displays "AVG" icon, peak value mode displays "VPP" icon.

Note: The date will not turn down in VPP mode.

5.Buzzer switch

After startup, long press "AVG/VPP" button to turn sound alarm on or off. If buzzer is turned on, volume icon will be displayed on screen.

6.Unit switch

After startup, short press "°C/°F" button to switch temperature units between °C and °F; long press "°C/°F" button to switch the magnetic field unit between μT and mG.

7.Charging indication

When the battery is about to run out, please charge the instrument in time. After connected with a USB cable, the screen displays charging interface and stops measuring electromagnetic field.

V.Range of application

Electromagnetic radiation monitoring: House and apartment, office, outdoor and industrial sites;

Electromagnetic radiation test: Mobile phone, computer, TV set, refrigerator and high voltage cable radiation test;

Radiation protection product test: Test effects of tadiation-proof clothes, radiation- proof film and other prevention articles.

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VI.Technical parameters

	AC Electric field	Magnetic field
Unit	V/m	μT/mG
Range	1V/m-199V/m	0. 01-99. 99μT/0. 1-999. 99mG
Resolution	1V/m	0. 01μT/0. 1mG
Alarm threshold	40V/m	0. 4μT/4mG
Measurement bandwidth	5Hz-3500MHz	
Sampling time	About 0.4 second	
Measurement mode	Dual mode at the same time	
Operation temperature	0°C-50°C	
Operation humidity	Relative humidity below 80%	
Working voltage	3. 7V	
Power	3.7V lithium battery	

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VII.Protecting Yourself from Radiation

Radiation is part of our life. Time, distance, and shielding actions minimize your exposure to radiation in much the same way as they would to protect you against overexposure to the sun. You can also reduce radiation damage to your body based on the following knowledge.

1)Reduce time spent using electronic products.

2)When using electronic products, try to stay away from them.

3)If you work in front of the computer for a long time, you can grow plants, such as cacti.

4)Drink more water and eat more fruits to supplement vitamin A and C.

5)Using some anti-radiation products can effectively prevent the pollution and radiation of the environment.

User Manual

Headlamp-TG-T069

Using Note

Dear customer,

Thank you for purchasing our headlamps.

Please read all the information contained in this user's guide carefully, and keep it in a safe place and pass it to other users if necessary.

1. Please don't direct the light into people's eyes,the strong light will cause damage the eyes ,especially children.

2. Do not disassemble the product, so as to avoid damage to the lamp components.

3. Please do not soak or immerse it into water. It has a waterproof function to resist rain or water splash.

4. Please keep it away from flammable materials while charging.

5. This TG-T069 headlamp should charge with standard mobile phone charge or 5v power bank, any arbitrarily non-standard charger might effect battery using life, even safety accident.

6. If you use the headlamp for a long time, it may be a little hoter. Because its main material is aluminum and ABS.

If you have any questions or are not satisfied with the purchase, please contact our official store , we will provide you with satisfactory after-sales service.

Product Structure

Key mode switch   Sensor mode switch

COB side bulb   COB side bulb   Battery indicator

Sensor   Sensor

USB charging interface   XPG main bulb

1.Product Description

1.1-Product Advantages:

TG-T069 mini sensor headlamp is designed for convenient indoor and outdoor activities, such as camping, hiking, emergency usage, etc. TG-T069 headlamp has a brand new sensor mode, two tiny sensor bulbs can detect hand waving to turn on/off the light, smart and sensitive. At the same time, it has added a function that is long press turn off the power, which help you turn on or off the light easier.

- The main bulb adopts LED-XPG lamp bead, which is ultra bright but low consumption.
- Its sealing structure is IPX4 waterproof rating, which can easily resist rain/water splash. (Don't soak or immerse it into water)
- Infrared sensor mode, easily to control the light by hand waving.
- The light has white light and red light, white light, red light night running warning, or help red light signal.
- It is easy to charge with built-in rechargeable polymer lithium battery.
- It adopts universal Android mini charging interface, which also works well with 5v power bank.
- The Battery indicator can control battery usage at any time.

2.2-Angle Adjustment
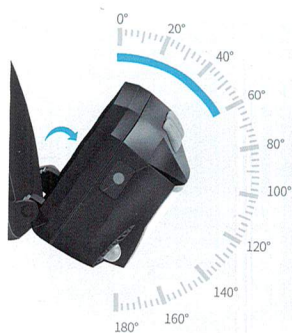
You can control the direction of the light by adjusting the angle of the headlamp, which can meet your lighting needs in different environments. It can rotate up to 60°.

Please don't over-rotate.

2.3-Charging Method

Charging Indicator: When charging, the blue light will flash; When fully charged, blue light will stop flashing and keep on.

Charging Status: 4 levels: 25-50-75-100%

Charging Time: 3-4 hours

The headlamp should charge with standard mobile phone charge or 5v power supply. You can choose from a variety of charging methods, such as laptop charging, charging plug, charging treasure, car charger, etc.

Special Note:

1. Please keep it away from flammable materials while charging.

2. The headlamp should charge with standard mobile phone charge or 5v power bank, any arbitrarily non-standard charger cable will effect battery using life.

3. Please do not overcharge to avoid reducing battery life.

1.2-Product Specification:

Product model: TG-T069

Lamp type: LED-XPG

Product size: 65*40*26mm/2.55*1.57*1.02inch

Product weight: 60g/2.11 OZ (single headlamp)

Product mode: 8 modes

Waterproof Level: IPX4

Product material: ABS

Power supply method: Built-in rechargeable battery

Charging method: USB charging

Charging Time: 3-4 H

Using Time: 4-8H

2.Product Usage Guidelines

2.1-8 Working Modes

LED Key Light Mode

① First Press, turn on the main strong beam.

② Second Press, turn on the main weak beam.

③ Third press, turn on the side strong beam.

④ Fourth press, turn on the side weak beam.

⑤ Fifth press, turn on the red beam.

⑥ Sixth press, turn on the SOS red strobe.

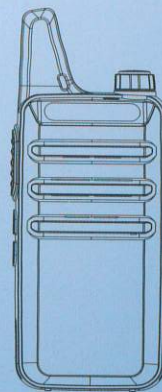⑦ Seventh press,turn off the key light mode.

Sensor Light Mode

① First Press, turn on the Main strong beam.

② Second Press, turn on the side strong beam.

③ Third press, turn off the sensor mode.

In any mode, if you press and hold the key mode switch for 2 seconds, you can directly turn off the power.

RETEVIS

Two Way Radio

RT22

USER'S MANUAL

- Small but Powerfull
- Slim,Fairly durable
- Use out of the box
- Hands Free

(EN)

WARNINGS

Product safety and RF Exposure for two way radio:

⚠️ Before using this two way radio, please read the manual which contains important operating instructions for safe usage, RF Energy Awareness, control information and operational instructions for compliance with RF Energy Exposure limits in applicable national and international standards, and also read the operational instructions for safe use.
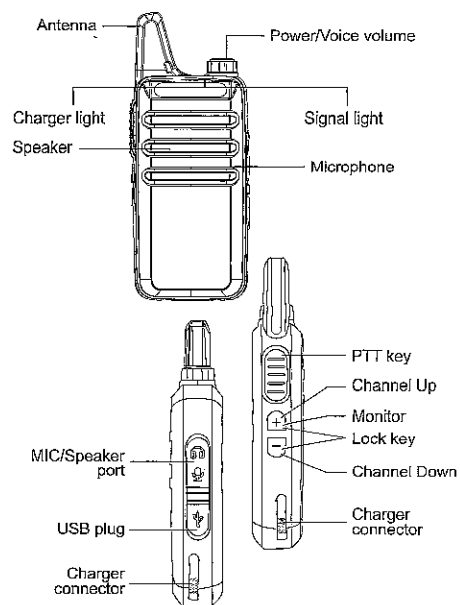
◇◇ Contents

RETEVIS

◇◇ Function Operations

Antenna — Power/Voice volume

Charger light — Signal light

Speaker — Microphone

PTT key
Channel Up
Monitor
Lock key
MIC/Speaker port —
Channel Down

USB plug — Charger connector

Charger connector

RETEVIS

◇◇ Standard Accessories

Radio body   Micro-USB

Belt clip   Battery

◇◇ Optional Accessories

Desktop Charger

◇◇ More Optional Accessories of Retevis

Acoustic tube headset   Speaker microphone

Throat mic

Note:
For more information, please visit our website: www.retevis.com

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◇◇ Get Acquainted

- The battery is not charged in a factory. Please charge the battery before initial use or after long time storage.
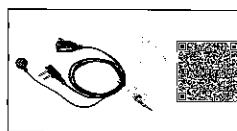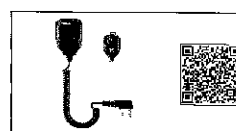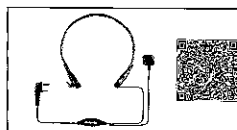
- Repeat charging and discharging the battery 2 or 3 times and the battery would reach its maximum capacity, please replace or charge the battery when it is in low power.

- The quick consume of the power after normal charge shows exhaustion of the battery. Please contact your dealer and buy new approved battery.

◇◇ Function Description

- **Time-out-timer**
  To prevent accidental transmissions and save battery life, the radio emits a continuous warning tone and stops transmitting if you press the PTT button for more than 10 continuous seconds.

- **Battery Saving**
  The battery-saving function would be on automatically without signal receiving or operation over 10 seconds. When the signal is received or with the operation, the radio would switch to normal mode.

- **Low battery Alert**
  If the battery is low on your radio, an audible alert tone "please Charge" alerts you during transmit or receive mode.

- **Monitor**
  Press and hold "+" button for three seconds to enter Monitor mode and listen for weak signals on the current channel.

RETG/IS

- **QT and DQT**
  This function is mainly used to avoid irrelative calling in a certain channel. With this function, users can receive calls in corresponding channels only with the same QT/DQT.

- **VOX**
  VOX is a function that when the transmission is initiated by speaking into the microphone of the radio instead of pushing the PTT button. To activate the VOX function, switch to channel 7 first, and turn off the radio. Press and hold "+"button and turn on the radio will activate the VOX, repeat the operation to turn off the VOX.

- **Keylock**
  To avoid accidentally changing your radio settings, When the radio is on standby, press the "+" and "-" keys at the same time, and it will broadcast a short beep tone, which means the channel up and down key is locked; Press the "+" and "-" keys at the same time again, and it will broadcast two short beep tones which means the channel up and down key is unlocked.

◇◇ Attaching & Removing

Case Port   Battery Port

Li-ion battery

RETG/IS
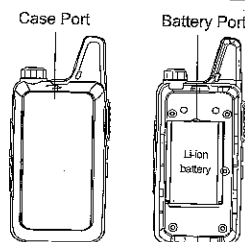
◇◇ Technical Parameters

General	
Operating Frequency	FRS
Output Power	≤2W
Channels	16
Modulation Type	FM(F3E)
Antenna	Integrated Antenna
Antenna Gain	1.8dBi
Bandwidth	12.5KHz
Power Source	DC3.7V
Dimension	96*55*22mm
Transmit	
The maximum deviation	≤±2.5KHz
Residual radiation	<60dB
Current	≤1000mA
Receiver	
Sensitivity	<0.16μV (12dB SINAD)
Squelch Sensitivity	<0.2μV
Intermodulation	50dB
Audio Power	≥300mW
Current	≤100mA
Squelch current	20mA

Frequency table(FRS-16CH)

CH Number	Frequency	Sub Audio	Max Power
1	462.5625	67.0	2W
2	462.5875	118.8	2W
3	462.6125	127.3	2W
4	462.6375	131.8	2W
5	462.6625	136.5	2W
6	462.6250	127.3	2W
7	462.7250	136.5	2W
8	462.6875	141.3	2W
9	462.7125	146.2	2W
10	462.5500	123.0	2W
11	462.5750	D743I	2W
12	462.6000	D332I	2W
13	462.6500	D243I	2W
14	462.6750	D606N	2W
15	462.7000	D731I	2W
16	462.7250	D462I	2W

RETEVIS

◇◇ Warnings

RF ENERGY EXPOSURE AND PRODUCT SAFETY GUIDE FOR PORTABLE TWO-WAY RADIOS

ATTENTION!	Before using this radio, read this guide which contains important operating instructions for safe usage and RF energy awareness and control for compliance with applicable standards and regulations.

This two-way radio uses electromagnetic energy in the radio frequency (RF) spectrum to provide communications between two or more users over a distance. RF energy, which when used improperly, can cause biological damage.

All Retevis two-way radios are designed, manufactured, and tested to ensure they meet government-established RF exposure levels. In addition, manufacturers also recommend specific operating instructions to users of two-way radios. These instructions are important because they inform users about RF energy exposure and provide simple procedures on how to control it.

Please refer to the following websites for more information on what RF energy exposure is and how to control your exposure to assure compliance with established RF exposure limits:
http://www.who.int/en/

Local Government Regulations

When two-way radios are used as a consequence of employment, the Local Government Regulations requires users to be fully aware of and able to control their exposure to meet occupational requirements. Exposure awareness can be facilitated by the use of a product label directing users to specific user awareness information. Your Retevis two-way radio has a RF Exposure Product Label. Also, your Retevis user manual, or separate safety booklet includes information and

operating instructions required to control your RF exposure and to satisfy compliance requirements.

Radio License

Governments keep the radios in classification, business two-way radios operate on radio frequencies that are regulated by the local radio management departments (FCC, ISED, OFCOM, ANFR, BFTK, Bundesnetzagentur...).To transmit on these frequencies, you are required to have a license issued by them. The detailed classification and the use of your two radios, please contact the local government radio management departments.

Use of this radio outside the country where it was intended to be distributed is subject to government regulations and may be prohibited.

Unauthorized modification and adjustment

Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority granted by the local government radio management departments to operate this radio and should not be made. To comply with the corresponding requirements, transmitter adjustments should be made only by or under the supervision of a person certified as technically qualified to perform transmitter maintenance and repairs in the private land mobile and fixed services as certified by an organization representative of the user of those services.

Replacement of any transmitter component (crystal, semiconductor, etc.) not authorized by the local government radio management departments equipment authorization for this radio could violate the rules.

FCC Requirements:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference. (Licensed radios are applicable);

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (Other devices are applicable)

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(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CE Requirements:

• (Simple EU declaration of conformity) Shenzhen Retevis Technology Co., Ltd. declares that the radio equipment type is in compliance with the essential requirements and other relevant provisions of RED Directive 2014/53/EU and the ROHS Directive 2011/65/EU and the WEEE Directive 2012/19/EU; the full text of the EU declaration of conformity is available at the following internet address: www.retevis.com.

• Restriction Information

This product can be used in EU countries and regions, including: Belgium (BE), Bulgaria (BG), Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE) and United Kingdom (UK). For the warning information of the frequency restriction, please refer to the package or manual section.

• Disposal

The crossed-out wheeled-bin symbol on your product, literature, or packaging reminds you that in the European Union, all

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electrical and electronic products, batteries, and accumulators (rechargeable batteries) must be taken to designated collection locations at the end of their working life. Do not dispose of these products as unsorted municipal waste. Dispose of them according to the laws in your area.

IC Requirements:

Licence-exempt radio apparatus

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage;

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Information

- DO NOT operate the radio without a proper antenna attached, as this may damage the radio and may also cause you to exceed RF exposure limits. A proper antenna is the antenna supplied with this radio by the manufacturer or an antenna specifically authorized by the manufacturer for use with this radio, and the antenna gain shall not exceed the specified gain by the manufacturer declared.
- DO NOT transmit for more than 50% of total radio use time, more than 50% of the time can cause RF exposure compliance requirements to be exceeded.
- During transmissions, your radio generates RF energy that can

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possibly cause interference with other devices or systems. To avoid such interference, turn off the radio in areas where signs are posted to do so.

- DO NOT operate the transmitter in areas that are sensitive to electromagnetic radiation such as hospitals, aircraft, and blasting sites.
- Portable Device, this transmitter may operate with the antenna(s) documented in this filing in Push-to-Talk and body-worn configurations. RF exposure compliance is limited to the specific belt-clip and accessory configurations as documented in this filing and the separation distance between user and the device or its antenna shall be at least 2.5 cm.
- Mobile Device, during operation, the separation distance between user and the antenna subjects to actual regulations, this separation distance will ensure that there is sufficient distance from a properly installed externally-mounted antenna to satisfy the RF exposure requirements.
- Occupational/Controlled Radio, this radio is designed for and classified as "Occupational/Controlled Use Only", meaning it must be used only during the course of employment by individuals aware of the hazards, and the ways to minimize such hazards; NOT intended for use in a General population/uncontrolled environment.
- General population/uncontrolled Radio, this radio is designed for and classified as "General population/uncontrolled Use".

RF Exposure Compliance and Control Guidelines and Operating Instructions

To control your exposure and ensure compliance with the occupational/controlled environment exposure limits, always adhere to the following procedures.

Guidelines:

- User awareness instructions should accompany the device when transferred to other users.
- Do not use this device if the operational requirements described

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herein are not met.

Operating Instructions:
- Transmit no more than the rated duty factor of 50% of the time. To Transmit (Talk), push the Push to Talk (PTT) button. To receive calls (listen), release the PTT button. Transmitting 50% of the time, or less, is important because the radio generates measurable RFenergy exposure only when transmitting in terms of measuring for standards compliance.
- Transmit only when people outside the vehicle are at least the reco-mmended minimum lateral distance away from a properly installed according to installation instructions, externally mounted antenna.
- When operating in front of the face, worn on the body, always place the radio in a Retevis approved clip, holder, holster, case, or body harness for this product. Using approved body-worn accessories is important because the use of Non-Retevis approved accessories may result in exposure levels, which exceed the IEEE/ICNIRP RF exposure limits.

Hand-held Mode
- Hold the radio in a vertical position with the microphone (and other parts of the radio including the antenna) at least 2.5 cm (one inch) away from the nose or lips. The antenna should be kept away from the eyes. Keeping the radio at a proper distance is important as RF exposure decreases with increasing distance from the antenna.

Phone Mode
- When placing or receiving a phone call, hold your radio product as you would a wireless telephone. Speak directly into the microphone.

Electromagnetic Interference/Compatibility
NOTE: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise

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configured for electromagnetic compatibility.

Avoid Choking Hazard

Small Parts. Not for children under 3 years.

Turn off your radio power in the following conditions:
- Turn off your radio before removing (installing) a battery or accessory or when charging battery.
- Turn off your radio when you are in a potentially hazardous environments: Near electrical blasting caps, in a blasting area, in explosive atmospheres (inflammable gas, dust particles, metallic powders, grain powders, etc.).
- Turn off your radio while taking on fuel or while parked at gasoline service stations.
To avoid electromagnetic interference and/or compatibility conflicts
- Turn off your radio in any facility where posted notices instruct you to do so, hospitals or health care facilities (Pacemakers, Hearing Aids and Other Medical Devices) may be using equipment that is sensitive to external RF energy.
- Turn off your radio when on board an aircraft. Any use of a radio must be in accordance with applicable regulations per airline crew instructions.

Protect your hearing:
- Use the lowest volume necessary to do your job.
- Turn up the volume only if you are in noisy surroundings.
- Turn down the volume before adding headset or earpiece.
- Limit the amount of time you use headsets or earpieces at high volume.

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• When using the radio without a headset or earpiece, do not place the radio's speaker directly against your ear
• Use careful with the earphone maybe possible excessive sound pressure from earphones and headphones can cause hearing loss
Note: Exposure to loud noises from any source for extended periods of time may temporarily or permanently affect your hearing. The louder the radio's volume, the less time is required before your hearing could be affected. Hearing damage from loud noise is sometimes undetectable at first and can have a cumulative effect.

Avoid Burns

Antennas
• Do not use any portable radio that has a damaged antenna. If a damaged antenna comes into contact with the skin when the radio is in use, a minor burn can result.
Batteries (if appropriate)
• When the conductive material such as jewelry, keys or chains touch exposed terminals of the batteries, may complete an electrical circuit (short circuit the battery) and become hot to cause bodily injury such as burns. Exercise care in handling any battery, particularly when placing it inside a pocket, purse or other container with metal objects.
Long transmission
• When the transceiver is used for long transmissions, the radiator and chassis will become hot.

Safety Operation

Forbid
• Do not use charger outdoors or in moist environments, use only in dry locations/conditions.
• Do not disassemble the charger, that may result in risk

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of electrical shock or fire.
• Do not operate the charger if it has been broken or damaged in any way.
• Do not place a portable radio in the area over an air bag or in the air bag deployment area. The radio may be propelled with great force and cause serious injury to occupants of the vehicle when the air bag inflates.
To reduce risk
• Pull by the plug rather than the cord when disconnecting the charger.
• Unplug the charger from the AC outlet before attempting any maintenance or cleaning.
• Contact Retevis for assistance regarding repairs and service.
• The adapter shall be installed near the equipment and shall be easily accessible

Approved Accessories

• This radio meets the RF exposure guidelines when used with the Retevis accessories supplied or designated for the product. Use of other accessories may not ensure compliance with the RF exposure guidelines and may violate regulations.
• For a list of Retevis-approved accessories for your radio model, visit the following website: http://www.Retevis.com

Voice Record User Manual
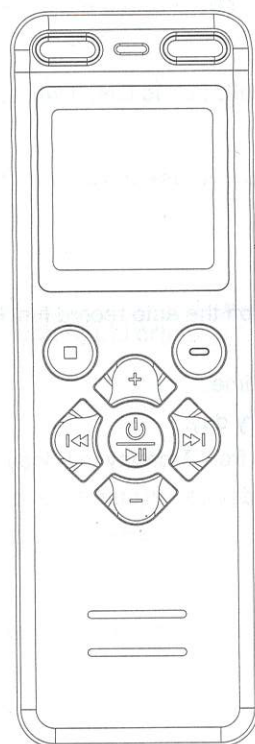
V5

The original package comes film wrapped and has bar code information.
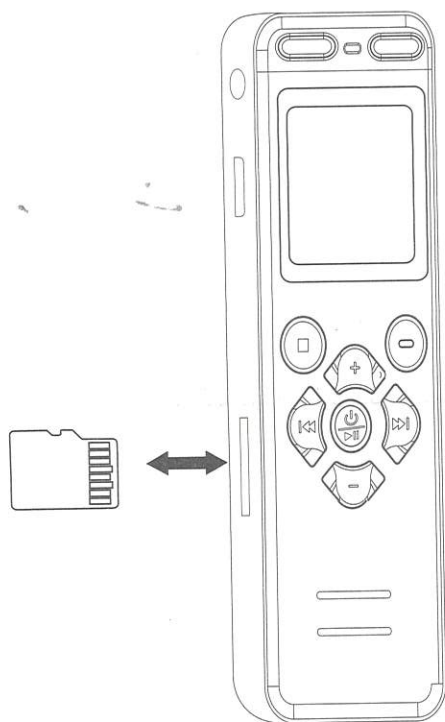
Package List

1 x Voice Recorder

1 x LINE IN Cable

1 x USB Cable (for data transfer and charging)
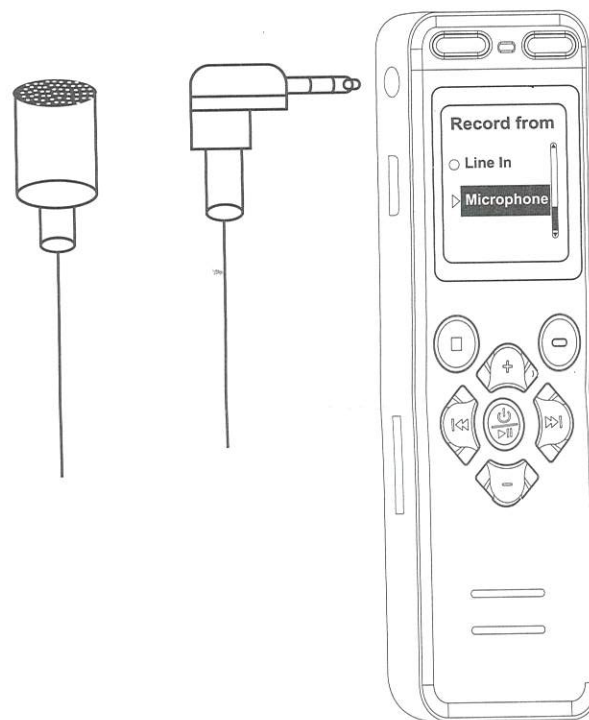
1 x VIP Card （customer support information）

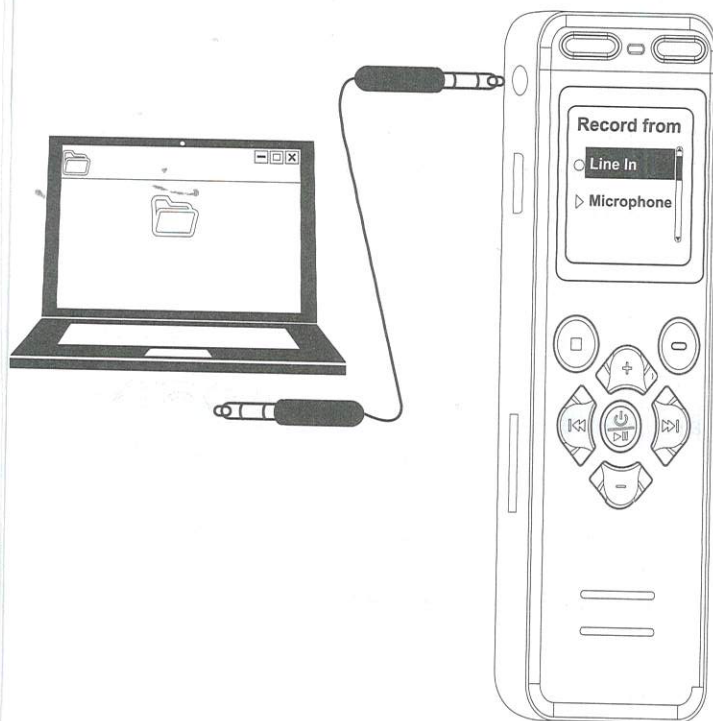## Product Warranty

1 year warranty unless registered with VIP.

Check TF Card direction, correctly push in / out, like picture shows.

Record from
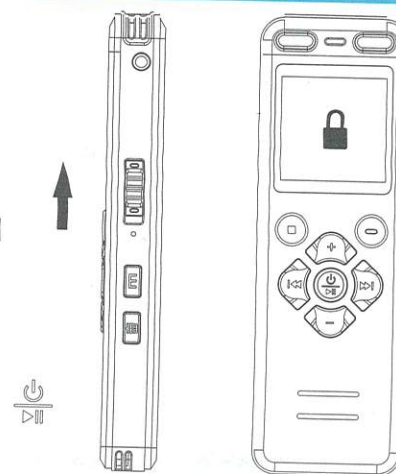○ Line In
▷ Microphone

External MIC: insert external microphone, press REC, it will show like the picture, select microphone, and press PLAY button to confirm and start recording.
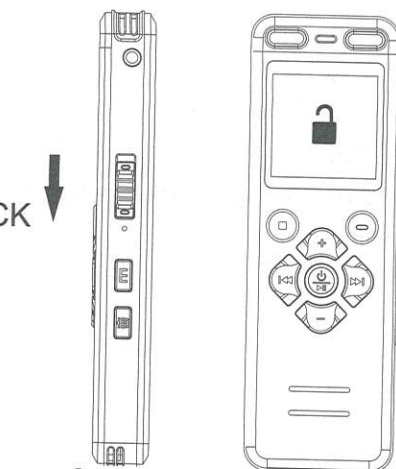
Record from
○ Line In
▷ Microphone

LINE IN: insert LINE-IN cord, press REC, it will show like the picture, select LINE IN, and press PLAY button to confirm and start recording.
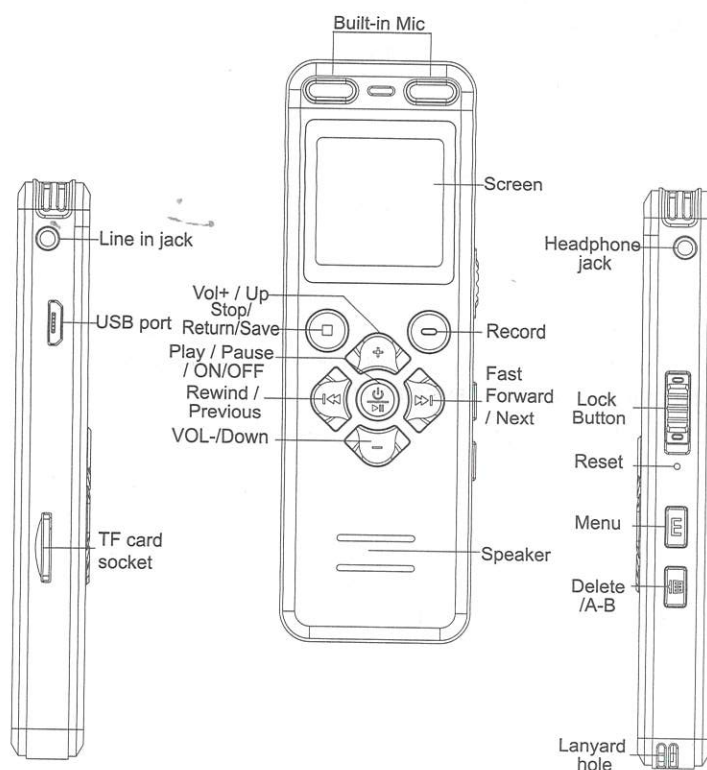
Device locked

Push down LOCK button, unlock

Product Sketch

Built-in Mic

Screen

Line in jack

Headphone jack

Vol+ / Up

Stop/ Return/Save

USB port

Record

Play / Pause / ON/OFF

Rewind / Previous

Fast Forward / Next

Lock Button

VOL-/Down

Reset

Menu

TF card socket

Speaker

Delete /A-B

Lanyard hole

Learn how to operate the buttons in the product sketch.

Built-in Mic: Captures the voice and records. Do not click on buttons when device is recording.

Earphone: You may plug in earphones to hear the playback.

LINE-IN: Connect for LINE IN cable / external microphone

USB: For charging or to download recordings to a computer.

PLAY/PAUSE: Play recordings or turn on/off the device

REC: Button for recording.

STOP: Save recording, stop playback.

M: Menu options. Use up/down to select, use PLAY to confirm. Press Stop to return to main menu

UP/DOWN (+/-): Selects Menu Options. Adjust speaker volume when playback.

Speaker: Device has a built-in speaker. You can hear the playback without earphones.

REW/FF : Selects left/right, hold it for rewind / fast forward when playback

RESET: when device in error status, push RESET button quick to fix it

256kbps

002 000:08:16

L
-40 -30 -20 -12 -6 0
R

NO.	Function
1	Battery Bar (when battery bar is empty, battery needs recharging)
2	Length of Recording in minutes/seconds
3	Recording format & bit rate
4	Remaining Recording Time (remaining capacity)
5	Recording Status
6	L/R Channel meter
7	Total Recording File Count

Quick Start Guide

Turn ON device: Press PLAY button for two seconds to turn on the device.

Recording: press REC button to begin recording.

Save Recording: press STOP button to save recording

Delete Recording: press **Menu** button. Select -> Delete -> select Delete One. This deletes a single recording. To delete all files,Use **+/-** button to choose Delete All -> Select Yes -> Use PLAY button to confirm your choice.

QUICK Delete: by pressing PLAY button turn on the device, press REW/FF button to select a recording, and then press the DEL button at device's right side, quickly delete the selected recording, or delete All recordings.

Play a Recording: by pressing PLAY button turn on the device, press **REW/FF** button to choose the recording you wish to hear -> press PLAY.

Play Next / Previous Recording: press the **REW/FF** button.

Fast Forward / Rewind: press and hold the **REW/FF** button.

Important Notice for Using This Device

DOs

●Listen to a test file on the device to check sound levels.

●Backup data as frequently as possible.

●Charge the device via its USB cable to a computer or wall charger (charger input less than 5V 1A).

●When battery is low (battery bar empty), save recordings and recharge immediately.

●The device supports charging and recording at the same time.

●Remember to hit STOP and save your recording each time.

●Device won't make any noise during recording. It will flash the Record LED light (this function can be turned off).

●Keep this booklet for future reference.

● Contact customer service with Order ID or System Firmware Version Information, or Bar Code on the package for a more effective reply.

● **Register for VIP service within 30 days to receive effective customer service and extend your recorder's warranty to 18months.**

DON'Ts

● Do not scratch the recorder body.

● If typing or writing near the device while record function is on, it will capture the noise.

● Do not format the device unless the files have been backed up.

● Do not delete a file unless the file has been backed up.

● Do not press any buttons when device is connected to a computer.

● Do not use non-original micro USB cable to transfer data from device to computer. Not all micro USB cables support data transfer.

● Do not use the Voice Activated Function unless needed. It may not record some low decibel voice you want recorded.

● Do not pause the device for a long time, as the device will automatically shut down when there is no operation such as playing or recording.

These instructions will say "hit" or "press and hold."
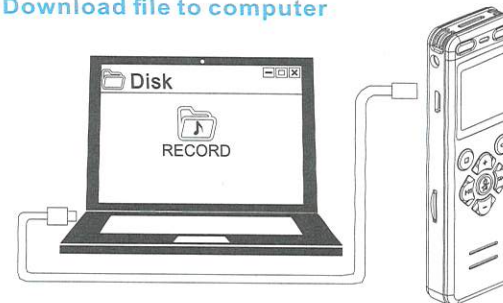
Hit: a short press of the button.

Press and hold: press the button a few seconds until the screen shows the information.

Basic Operation Guide

1)Charging the device

Use the USB cable provided. Connect to a computer, USB socket, or USB Adapter. The battery can be fully charged in 3 hours, single full charge can work up to 70 hours.
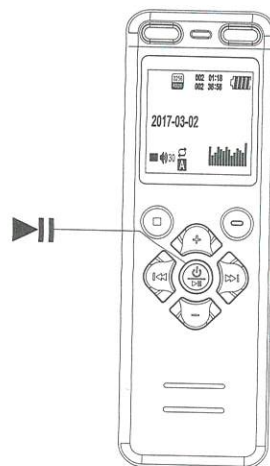
2) Download file to computer

Use the USB cable provided to connect to your computer. Find the file (36) on your computer. Drag & Drop or Copy and Paste the recordings from the recorder file to your computer and share with friends.
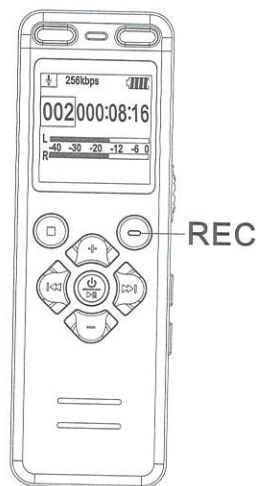
3) Turn on the recorder

Press PLAY button to turn ON/OFF the recording device.

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(3)

4) Recording

Hit REC button to begin recording. Press STOP to automatically save recording.

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002 000:08:16

L
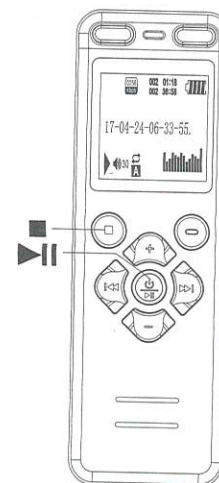R -40 -30 -20 -12 -6 0

REC

(4)

13

5) Pause / Resume Recording

During recording, hit PLAY button to pause recording.
Hit PLAY button again to resume recording.

6) Play Recording

Once you have saved a recording, hit PLAY button and play back what was just recorded.
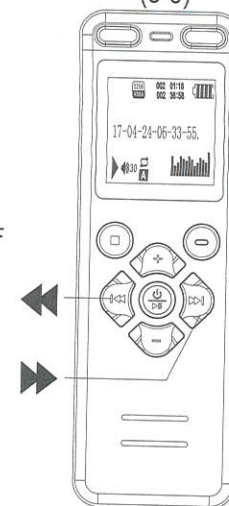
17-04-24-06-33-55.

▶II

(5-6)

7) Adjust Speaker Volume

During playback, use + / - to adjust speaker volume.

8) Fast Forward / Rewind

During playback, press and hold FF to use fast forward.
During playback, press and hold REW to rewind.

17-04-24-06-33-55.

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▶▶

(8)

14

9) Previous / Next

Tap REW or FF to select, move to previous / next recording file (or music track).

10) Play Music (use as MP3 Player)

Attach device to computer. Transfer music file from computer to recorder. Detach device from computer and turn on.
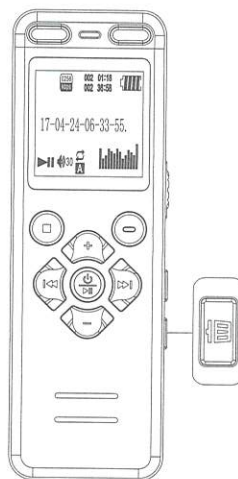
Press down MENU button and switch to music folder.

Note: the songs do not put inside the RECORD folder, you could create a new folder for it.

(9-10)

11) Delete Recording

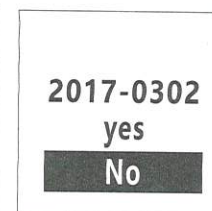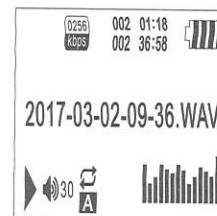Turn on the device by pressing Play. Press REW/FF to select a file to delete -> press DEL button, directly enter delete option

(11)

(11)

NOTE: When turning on the device, we can press REW / FF button to select file to Delete, in default, it reads the latest file, so if we will directly go to delete option, it will delete the latest file.

Menu Options

The PLAY button works as OK/Confirm in menu options

1.Save Position

Press Play (turn on device)-> tap M -> Save Position -> Hit PLAY Use +/- to select save position, TF (need insert TF card), Flash (built-in storage)

Note: press PLAY to confirm selection, if we didn't insert TF card correctly, when selected at TF, it will show "removed TF card"

2.Record Settings

Press Play (turn on device) -> hit M -> use +/- to Record Settings -> hit PLAY

2.1 Recordings library

Shows all files recorded on device.

2.2 Record Format

We could choose to record at WAV or MP3 format

2.3 Set rec bit rate

Below the bit rate chat

Format	Bit Rate		
WAV	256kpbs	512kpbs	1536kpbs
MP3	32kpbs	64kpbs	128kpbs

2.4 AVR Mode

AVR Switch: turn on / off Activated Voice Record Mode

AVR Level: select the voice activated recorder sensitivity level

At AVR mode, we still need to press STOP to save recordings when we complete a recording task.

Voice Activated Sensitive Level

From Level 1 to Level 5: Level 1 only picks up voice or sound above 70db, a very loud sound. Level 5 is very sensitive, so any quiet sound will be recorded. **(i.e. normal environmental noise will activate recording).**

Note: do not turn on this function for important lectures or meetings. It may skip or lose some very important sentences at low decibels. Use regular on/record/stop for meetings.

2.5 Record LED

ON: default. LED indicator light is ON. OFF: turn off the LED indicator light.

2.6 Noise Cancellation

OFF: default. When it is ON, it could help to reduce noise interference.

Note: when noise cancellation is ON, it will record at mono

2.7 Record Monitor

OFF: default. When it is ON, use earphones to hear what it is recording.

2.8 Auto Record

Record on / off: turn on / off the auto record function

Record cycle:

Once, it only functions 1 time.

Daily, it will functions every day.

Work day, it will functions from Monday to Friday.

Start Time: set when the device will start to record.

End Time: set when the device will save file and turn off.

3. Play Settings

Press Play (turn on device)-> tap M -> use +/- to Play Setting -> hit PLAY

Use +/- to select Repeat.

Repeat one: repeats single file again and again.

Repeat all: repeats all files in directory from A-Z again and again.

Shuffle: plays back files in random order. To stop shuffle, select at repeat one or repeat all

4.Variable Playback Speed

Press Play (turn on device) -> hit M -> use +/- to Variable Playback Speed -> hit PLAY

Use +/- to adjust playback speed from -8 to +8; the normal speed is 0, remember to press PLAY confirm settings

5.System Settings

Press Play (turn on device) -> hit M -> use +/- to System Set -> hit PLAY

Language: English default. We could select for other language of the device. If, unfortunately, the device is set to the wrong language, please contact customer service.

Date and time:

Time settings:

Set time format: we can set at 12/24

Set Time: press +/- to adjust hour, minute. Press REW/FF to move to next

Press PLAY to confirm and finish setting

Date Settings:

Set date format: we can set at 3 different date display style

Set date: Press +/- to adjust year, month, or day. Press REW/FF to move to next.

Press M to confirm and save setting.

Password Set:

Password switch: OFF default. When turn it on, we need to set password for the device Password set: input a 6 digits password. Press +/- to set the numbers. Press REW/FF to move to next.

Note

1.If forgot password, please enter 18 18 18, and then hold STOP button more than 3 seconds to reset the device

2.If password function is ON, when connect to computer, we need to input correct password, otherwise, it will fail connect to computer

Player Information:

Device shows the firmware version and the release date.

Disk space:

Device shows the free space and total space.

Format Device:

This will format the disk and erase all data on the device, so remember to back up important files before doing.
Select Yes, press PLAY confirm. Device will start to reformat

and erase all data. Wait until the device reboots and completes the process.

Note: Do not turn off power when formatting device. If, unfortunately, the devise is mistakenly cut off, it will show as disk error.

To correct disk error.

Push down the power button from ON to OFF position. Connect the device to a Windows computer, and format the disk from the computer to return to normal state.

Note: If you are using a MAC computer, please contact our customer support. Reformatting on a MAC computer needs different options.

Factory Setting:

Restores to factory default. Very helpful if confusion arises when creating settings.

Select Yes, press PLAY to confirm. Device will start to restore factory settings.

Recording Parameter

	Recording Quality	8GB	16GB	32GB
WAV	1536kpbs	12 hours	24 hours	48 hours
	512kpbs	36 hours	72 hours	144 hours
	256kpbs	72 hours	144 hours	288 hours
Mp3	128kpbs	145 hours	290 hours	580 hours
	64kpbs	290 hours	580 hours	1160 hours
	32kpbs	580 hours	1160 hours	2320 hours

Note: This form shows the maximum recording file time that can be stored in the device, not the battery time, Device capacity is subject to the entity.

Product Information

Product Dimension	3.82 X 1.26 X 0.51 inch (95X31X12MM)
Screen Size	128 x 64 LCD
USB Socket	USB 2.0 High Speed (Charging and Data Transfer)
Charging	Input < 1A 5V

Charging	Input < 1A 5V
Record Bit Rate	1536kpbs, 512kpbs, 256kpbs, 128kpbs, 64kpbs, 32kpbs
Support System	Windows98 and later version, XP, Windows 7 /8 /10
Earphone Output	Max 10mW+ (30Ohm), Freq 20Hz - 20KHz, S/N ratio > 90db, Distortion factor 0.05%
Memory	8G / 16G / 32G (Subject to the device)
Battery	3.7V 800mAH Lion Polymer
Music Playback Battery Time	12 hours (single full charged with earbud, screensaver)
Max Recording Battery Time	Full charged, recording at 32kpbs could work 47 hours
Support Music Format	MP3 / WAV / FLAC / APE / OGG / WMA

Frequently Asked Question

1) Device Frozen
When device was frozen, we can push the RESET button to reset the device, it will not delete files on device
2) Restore to Factory Setting
Restore to factory setting, very helpful if confusions arises when creating settings.

3) Format Device
Format device, it will delete all data on the device. Device also can format on Windows computer or MAC computer. If format on MAC computer,Contact our customer service,see on VIP card
4) Forgot Password
If forgot password, enter 18 18 18 and hold the STOP button 3 seconds.
5) Failed connect to computer
Need using the original USB cable. If failed connecting to computer, we could try below solutions or
A. If set password, need enter correct password when connecting to computer
B. If cable damaged, try with android phone cable
C. Computer socket loose, try with another socket
D. Computer didn't connect to internet, for some computer, they need use internet to recognize the device, so just reboot computer and connect device again
E. Don't press buttons when connecting to computer, in case of entering charging only mode
F. Don't interrupt connection unexpectedly, in case of file lost or damaged.

6.Device locked
If see a LOCK sign on the screen, the device was locked, we can unlock by the LOCK button at the device right side.