




Instruction Manual

KME-219S

Multi-functional On-site Law Enforcement Recorder

We are very grateful for your purchasing  brand KME-219S multi-functional on-site law enforcement recorder produced by Shenzhen Kirisun Electronics Co., Ltd. We believe that the quality and function of  multi-functional on-site law enforcement recorder can meet your demands for reliable communication.

We also believe  KME-219S multi-functional on-site law enforcement recorder, which always incorporates the latest technology and exquisite manufacture, can bring great convenience to your life and work.

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Notice to the User:

- Please read this manual carefully before any operation to this recorder. When you start to use the recorder, we deem that you have read this manual.
- Please retain this manual for future reference.
- For the purpose of protecting your legal right, please fill in “Warranty Card” with valid information and ask for the valid “Proof of purchase” when purchasing the recorder.
- Shenzhen Kirisun Electronics Co., Ltd and its authoritative agencies own the copyright of this manual, this recorder and its accessories design. No part of this manual and recorder design may be transmitted or reproduced in any form or by any means, electronic or mechanical, without the consent of Shenzhen Kirisun Electronics Co., Ltd and its authoritative agencies.
- Due to the upgrade of the recorder, Shenzhen Kirisun Electronics Co., Ltd owns the right of changing the specifications of the software and hardware mentioned in this manual without notice. The recorder information mentioned in this manual can be only used as a reference.







All the information is checked carefully. If any error or omission occurs, the company reserves the final explanation.

SAFETY

For the purpose of avoiding the damage to your recorder and personal injury, it is important that you should read this manual carefully and be aware of the following safety cautions before using this recorder. Please retain this manual in place.

-  Do not attempt to disassemble or modify this recorder.
-  Do not use this recorder in a flammable or explosive atmosphere.
-  Do not put this recorder beside the heating equipments or in the dusty, wet, and fluid area.

Please pay attention to the following cautions when charging with the power supply adapter:

-  Charge with the adapter supplied or sold by Kirisun only;
-  Keep the plug of the adapter in dry and clean condition; otherwise it will cause fire or electric shock;
-  Do not use the adapter when lightning and raining, otherwise it will cause electric shock;
-  Do not make any damage, change or repair to the adapter. No fire or heating close to the adapter;
-  Use USB cable supplied or sold by Kirisun only;
-  This recorder and its accessories can only be repaired by the professional technicians.

■ Unpacking and Checking

Unpack and take out the recorder carefully. We recommend that you check the recorder and its supplied accessories listed in the following table before discarding the packing material. If any damage or loss has occurred during shipment, please contact the dealer without delay.

◆ Supplied accessories

Items	QTY	Note
KME-219S Multi-functional On-site Law Enforcement Recorder	1	
Adapter	1	
USB cable	1	
Instruction manual	1	
Warranty Card	1	
Certification	1	
Belt clip bracket	1	



KME-219S Multi-functional On-site Law Enforcement Recorder



Adapter



USB cable



Belt clip bracket

◆ **Optional accessories**

Items	QTY	Note
Mobile charger	1	Optional
Earphone	1	Optional
AV OUT Video connecting cable	1	Optional
Two-way radio connecting cable	1	Optional



Mobile charger



Earphone



AV OUT Video connecting cable



Two-way radio connecting cable

■ **Getting Prepared**

◆ **Charging the battery**

This recorder has the built-in 1200mAh rechargeable Li-polymer battery pack. Two means of charging are available.

1. Charging with adapter

Insert the bigger USB terminal into the adapter; connect the adapter to the appropriate AC power supply outlet; and then insert the smaller USB terminal to USB port on the recorder. Be sure the power is off when charging.

When USB terminal connects to the recorder, the recorder enters into “pass word” login mode, press ON/OFF key to pass this mode. During charging, LED indicator lights red while the charge indicator on the down-left LCD screen rolls (the recorder stays at operative mode);

After charging for 4.5 hours, Red LED indicator lights off, Green LED lights on, while the

charge indicator on the down-left LCD screen stops to roll and presents in full grid (the recorder stays at operative mode), which means the battery has been fully charged. Pull out the USB terminal to finish charging.

2. Charging with PC USB port

Connect the recorder to PC USB port with USB cable to charge the built-in battery.

Note:

- The battery is not charged in the factory. Please charge the battery completely for the first time.
- When charging the battery after buying or not using this machine for more than two months, charge it time after time to charge it fully.
- When the battery is fully charged or “Low Battery” is not displayed, do not charge it, otherwise it will affect the life and performance of the battery.

■ Main Functions & Features

KME-219S is high-integrated terminal equipment which is purposely designed and developed for the need of law enforcement agencies. It is featured as small size, light weight, and convenient wear; it is provided with water resistance, anti-vibration, anti-impact and anti-shock abilities, which can be used by different law enforcement agencies in any special and severe environments. In order to use it easily and operate it conveniently, the recorder is designed as one key for one function.

This recorder owns the functions of day and night low-light infrared digital video recorder, digital camera, separate recording, and two-way radio shoulder MIC. It assists the executors recording the enforcement process timely and easily, recording both dynamic and static spot situations in a digital way. By using the supplied management software, it avoids of the videos to be changed and deleted, and ensures that the records are real and authoritative. It provides valid evidences for the executors to solve a case and increase successful prosecution.

■ Recorder Overview








■ Basic Operation

01. Push-to-talk (PTT Key)

Press it to call or transmit voice; release it to receive voice.



02. Orange ON/OFF /ESC Key

◆ ON





In the power off status, press and hold the  key to turn the recorder on; the display presents this interface , and then enters into “picture preview” (during File Scan mode, press the  key to return to the preview mode)

◆ OFF


Press the  key for 3 seconds, this picture  displays, and the recorder is turned off.




Note: During file scan, short press  key to return to the previous menu; during the video playback and slide play, short press  key to exit the play and return to the file scan mode.

03. File Scan Key

1. After power on the recorder, short press the key to enter into “File Scan”; short press  key or  key to move the cursor and select the file (the icon in red means the file is selected). Select one file, short press  to open it. If you are playing back a video, press  to pause it.



2. When connect the recorder with the PC, the recorder enters password input status, short press  to move the cursor to the left until the password is input.

3. In File Scan mode, select DAILYLOG, press  to open it. Press  key or  key to select files.

Note:

DAILYLOG.TXT is the working log management file;

JPG is the image file;


WAV is audio file;





AVI is video file.




1. Disconnect from PC
2. Administrator login
3. Power on
4. Power off
5. Start video record
6. End video record
7. Start voice record
8. End voice record



04. Photo key





In picture preview mode, press the  key one time for one photo. The images are saved automatically.

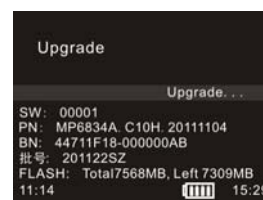
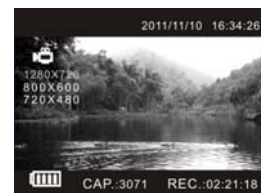
Long press  for 3S to enter the selection of video resolution mode. Press  key or  key to move the cursor and select one resolution; and then press  to confirm it.

Long press  for 5S to enter the upgrade of the software mode. Press the key again to exit it.

05. UP Key

In picture preview mode, short press  key to turn on/off the infrared supplement light. If infrared light turns on, the icon  displays on the screen;

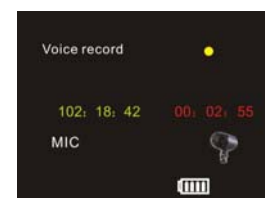
Long press  key to record voice, press it again to save it. In File Scan mode, short press  key to move to the above file; in video playback mode, short press  key to increase the volume; in password input mode, short press  key to increase the digit.



1. Upgrade
2. Upgrade
3. SW
4. PN
5. BN
6. FLASH, Total 7568MB, Left 7309MB




1. CAP.
2. REC.

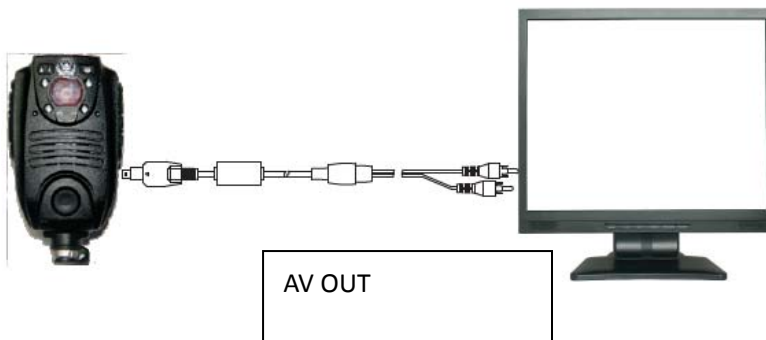


1. Voice record

06. DOWN Key

In picture preview mode, long press  for 5S to enter AV output status. Through the special

connecting cable, the files in the recorder can be played on the TV set, projector and monitor. In File Scan mode, short press ▼ key to move to the file below; in video playback mode, short press ▼ key to decrease the volume; in password input mode, short press ▼ key to decrease the digit.



07. USB/earphone connector

Open the cover on the connector, and plug the USB/earphone into the connector.

- A. Connect the recorder to the PC with the USB cable, data exchange and charging can be realized.
- B. Video can be output (AV OUT) through the specialized connecting cable.
- C. When using the shoulder MIC, insert the earphone to receive the call from the same frequency.

08. RESET Key

Long press this key to turn off the recorder in the case of when the recorder breaks down due to any reason. Restart the recorder, it will be normal.

09. Belt clip

By adopting the 360° rotatable clip, the camera can rotate to any angle with the user's need. The recorder can be worn firmly in front of the shoulder or on the aiguillette.

10. Playback speaker

When playing back the videos in the recorder, the voice is amplified by the speaker.

11. High definition display screen

Used for displaying the relevant files, scanning the images and playing back videos.

12. LED indicator

LED lights green for 5 seconds after the recorder turns on; LED flashes once when taking photos; LED flashes continuously when recording; LED flashes for 1 minute when in low battery and then the recorder is turn off.

13. Charging

LED lights red when charging; Light off when finishing charge.

14. Infrared supplement light

When the light $\leq 0.1\text{LUX}$, the infrared supplement light can be manually turned on to supplement light. The effective recording distance is $\geq 0.5\text{-}3\text{m}$.

15. High definition infrared camera

CMOS 5 million pixels, record continuously and take high definition photos. Rotatable mechanical light filter + infrared LED light supplement, ensures that the images taken in the dark environment will be clear and real. The resolution of the record has the options of 1280*720/800*592/720*480/640*480/320*240; the resolution of the photo is 2592 x 1944.

16. Rotatable infrared filter

The infrared filter is rotatable, which is used to amend the chromatic aberration in recording. (Note: If you turn on the infrared light under low light condition, you need to rotate off the cover.)



17. MIC Speaker

The voice is amplified through the speaker.

18. Shoulder MIC

Shoulder MIC can be connected to the recorder through the special connecting cable, and can be used to make a call and amplify the voice.

19. Record key

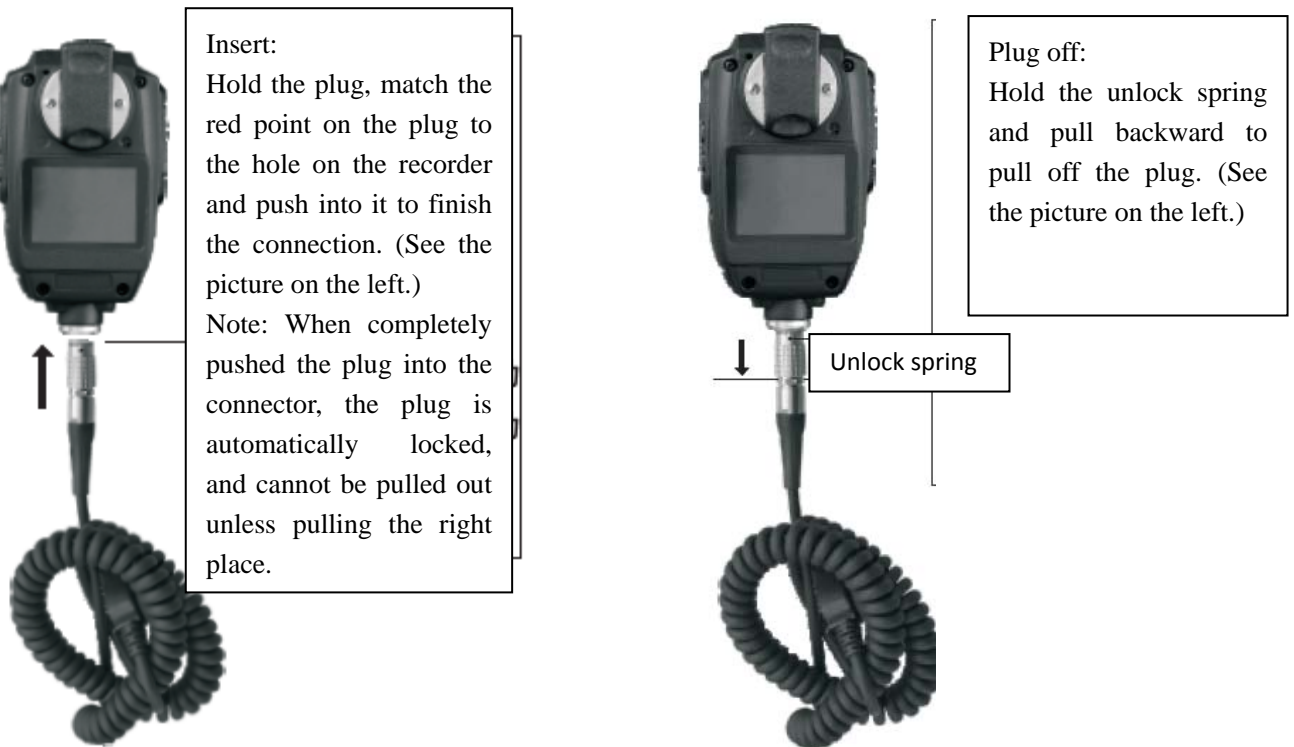
In any operative status (except “pass word” mode), press the  key and the display screen is activated to record the image. The file will be saved as AVI format. During recording, press the  key again to “pause” it and the file will be saved automatically.



1. Save
2. CAP.
3. REC.

20. Connector for connecting two-way radio

This recorder can connect to the majority of the radios on the market through the movable pull-push auto-lock connecting cable. See the pictures below:



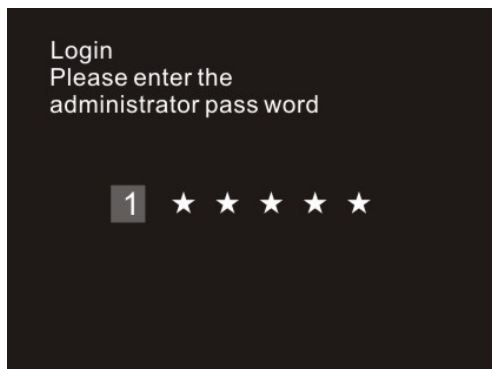
■ System Setup

◆ Files management

When the recorder connects to PC, “pass word” need to be input to login.

Login method:

- (1) Insert USB;
- (2) Input the pass word: press “UP” Key to add up number; press “playback” Key to move forward the cursor, press again to move away the cursor to confirm the password; when the pass word is confirmed, and enter into the online operation immediately.

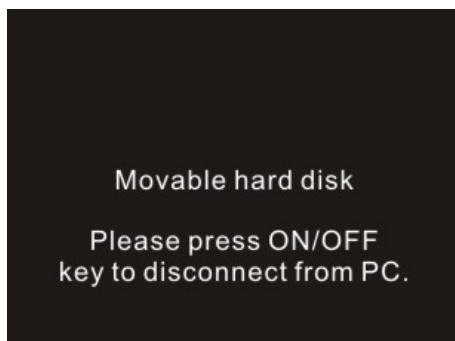


Login

Please enter the administrator pass word

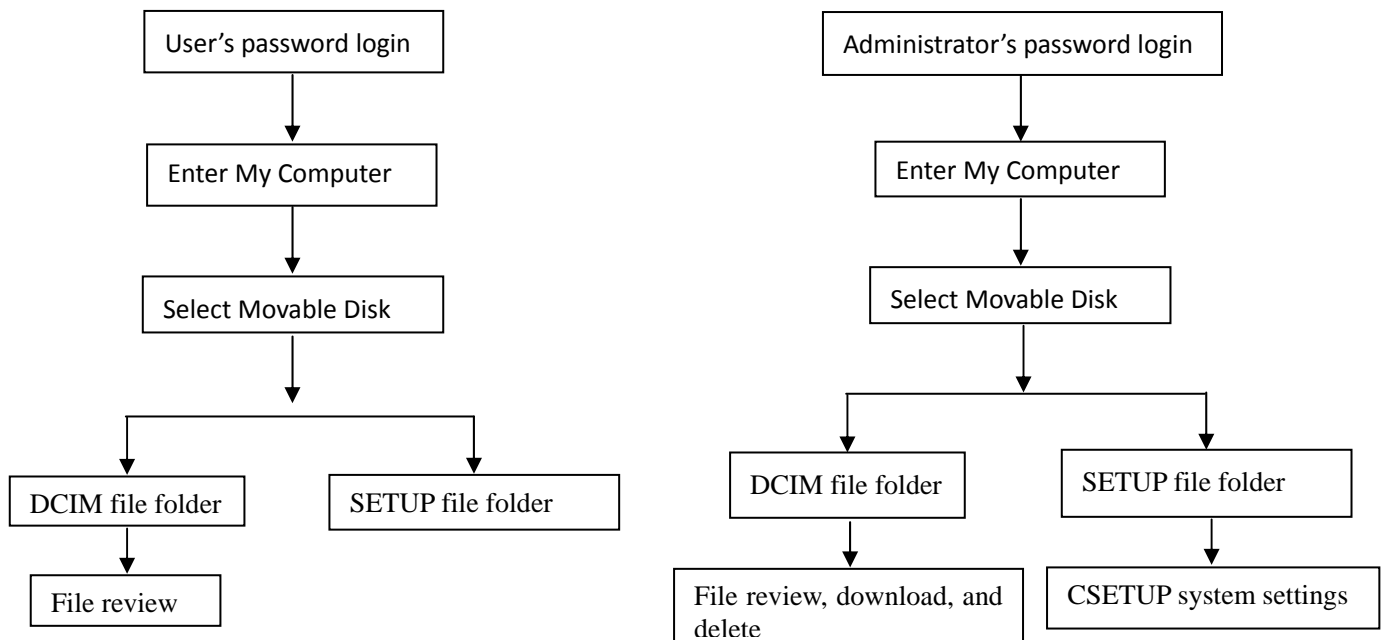
Note:

- A. User's default password is 123000. You has the right to view all the pictures, audios and videos files.
- B. Administrator's default password is 321000. The administrator has the right to view, download or delete all the pictures, audio and video files.
- C. You must input the password every time when connecting the recorder with PC, so as to ensure the safety of the data.



When the above picture displays, it means that the recorder is connecting with PC.

◆ Login steps



Note: You cannot view the files in SETUP file folder when using user's password, only using administrator's password.

◆ System setup

When logging in the system, the administrator can use Windows programming software CSetup.exe to program the recorder.

Note:

The disk chosen in “Save to the disk” should be the one which the recorder is registered in PC.

The main menu of setup is an optional menu, which includes 8 options.

1. Option of programming language

At the up-right of the menu; Simplified Chinese and English can be chosen; the default language is Simplified Chinese.

2. Date and time

When connecting to PC, the recorder synchronizes the date and time automatically with PC.

3. Recording

The resolution are 1280*720/800*592/720*480/640*480/320*240 optional;


Frame rate are 10~30 frames per second optional;

The compressibility coefficient of the video is 40~100 optional.

4. Power save mode

To prolong the battery's working time, this recorder can turn off the backlight and power off automatically.

A. Backlight auto off (LCD standby time selection): the default setting is disabled. You can select 30S/1 minute/5 minutes. After selected, save it. When the backlight is off, you still can record the video and audio. Press any key to activate the LCD and return to standby screen (except the PTT key).

B. Power off when idle: the default setting is 10 minutes (the recorder turns off automatically when no operation is done within 10 minutes). You can select 1 minute/5 minutes/10 minutes. After selected, save it. Long press ON/OFF key  to turn on the recorder.

Note: The PTT key can still be used in power save mode.

5. Security (double password management)

A: User's password: the default setting is 123000.

You can reset the password. Enter the new password, click "save", and then click "exit".

B: Administrator's password: the default setting is 321000.

You can reset the password. Enter the new password, click "save", and then click "exit".

The new password is valid when restart the recorder. You must remember the new password to avoid unnecessary trouble.

6. Number the video

Use letter and numbers to represent different information.

7. Menu

Language: English and Simplified Chinese. You can choose any of the language according to your need.

8. Save

The disk chosen in "Save to the disk" should be the one which the recorder is registered in PC.

■ **Technical Specifications**

Camera	Built-in CMOS 5 million lens + built-in infrared LED
Video resolution	Options: 1280*720/800*592/720*480/640*480/320*240
Frame rate	30 frame per second (Options: 10~30frame/sec)
Video format	Standard MPEG4 code, AVI format
Image resolution	2592*1944 JPG
Focal length	F=6.089mm

Aperture	F/3.25
Angel	60 °
Focusing range	0.3m-limitless
Normal photoing condition	<0.1LUX, auto turn on infrared LED light
Storage medium	Built-in memorizer 8GB (Options: 16 GB/32 GB)
Display screen	2.0 inch, TFT LCD
Electric current	Power on: 240mA
	Recording: 380mA
Continuous working hours	25frame/sec, 8 hours
Standby hours	10 hours (power save mode)
Data port	High-speed USB 2.0 port; mobile charge
System setup	Time, frame rate, continuous photo, video parameter, encryption, upgrade, etc can be set through PC
Power supply	Built-in 2100mAh Li-polymer battery
Size	102*62*34mm
Weight	180g

■ **Maintenance and Cleaning**

Although KME-219S professional recorder can adapt to the severe environment, it should be maintained carefully and operated as the criterion requires in ordinary use, so as to realize the best performance.

◆ **Be cautious to the camera lens and all the removable parts**

Due to the special materials and construction design, camera lens, display screen and other parts are subject to be damaged. Therefore, do not overexert or press them when using. In the case of when the screen breaks, please be cautious not to be hurt by the broken glass, and to avoid of contacting the liquid crystal in the screen with your skin or letting them enter into your eyes and mouth.

◆ **Battery**

Please check the battery capacity before going out. If needed, please charge the battery. Do not charge the battery when its capacity is full, otherwise it will affect its performance.

◆ **Cleaning**

Lens	For lens and glass are fragile, avoid of touching them with your hands. Air blow plastic ball can be used to blow off the grime or winceyette. Clean soft cloth can be used to erase finger mark and the smudge which cannot be erased by the ball. Erase them from the center of the lens to the side.
Display screen	If need to erase finger mark or other smudge, please use the soft dry cloth, and be gentle.

Surface of the recorder	Blow off dust, smudge or sand particles with the ball, and then use soft dry cloth to clean it.
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◆ **Storage**

If you do not intend to use the recorder for a long time, please power off the recorder, and avoid storing it in the following places:

◎Place where it will be close to the strong magnetic equipments.

◎Place where the environmental temperature is below -10° or above 50°.

◎Place where it is not ventilated and wet.

◎For the purpose of avoid going moldy, take out the recorder at least one time a month, charge the battery, operate it and then store it.

■ **Service Guide**

1. If the following items interfere with the national laws and regulations or omit any item, please take the national laws and regulations as the final reference.
2. In the case of when performance malfunctions occur due to the quality, all KME-219S Professional On-site Law Enforcement Recorders, which purchase legally in the mainland of China, can enjoy the after services of three warranties (for repair, replacement and refund of substandard recorders) provided by Shenzhen Kirisun Electronics Co., Ltd.
3. During the warranty period, if any performance malfunction occurs on the recorder, battery and the charger, the user enjoys the free servicing right from the purchase day to the 365th days.
4. During the warranty period, if any performance malfunction occurs on the complimentary accessories given by the company, the user also enjoys the free servicing right stated in the national three warranties service laws. However, if these accessories are given by the dealer, the dealer should be responsible for the servicing according to the national law.
5. When repairing, you should bring KME-219S Professional On-site Law Enforcement Recorder “Warranty Card” and the recorder. The warranty service is invalid if the factory-applied serial number has been removed from the recorder. The purchase date refers to the date written on the valid invoice or “Warranty Card”.
6. During the warranty period, you must present the purchase invoice and valid “Warranty Card” to enjoy the after service. If you cannot present the above documents, the free after service date begins with the shipment date, and ends with 30 days after the shipment date.
7. When KME-219S Professional On-site Law Enforcement Recorder occurs with performance malfunction because of the quality, you can refund or replace the recorder with the original dealer with the purchase invoice and valid “Warranty Card” since the purchase date, provided

that the problem is confirmed by the dealer. The dealer facility should describe clearly the malfunction, and send the formal invoice with the purchase date; invoice copy, the valid “Warranty Card” and the recorder to you local Kirisun authorized service facilities. When the demand is verified by the authorized service facility, we will replace with a new recorder with the same type.

8. According to the national warranty service law, when purchasing the recorder, the user can choose to refund, replace or repair the recorder within 7 days; replace and repair the recorder within 30 days. The company provides free servicing for 1 year.
9. When KME-219S Professional On-site Law Enforcement Recorder occurs with performance malfunction because of the quality, you can ask for replacement or repair with the purchase invoice and valid “Warranty Card” in the original Dealer within 30 days. If the user asks for replacement, the dealer needs to take back the previous “Warranty Card” and invoice copy, and provides the user with the new “Warranty Card”.
10. Note of free servicing: the free servicing is valid when the recorder is used normally. Any man-made damage and the following situations are not included in the free servicing, but paid servicing is provided.
 - 10.1 Damages caused by the neglect, mis-operation, abuse, misuse from the user and the third party or disasters (e.g. food liquid and stain, water inleakage, outside force, scratch, scrape, damage of the outside parts)
 - 10.2 Damages caused by disassembling the recorder by yourself, or repair and modifications unauthorized by Shenzhen Kirisun Electronics Co., Ltd.
 - 10.3 Damages caused by using Kirisun unauthorized accessories, or by using, servicing and maintaining the recorder without the guide of Instruction Manual.
 - 10.4 Malfunction or damages caused by false or wrong operation.
 - 10.5 All kinds of labels, parts (e.g. button), consumable parts, surface wear and tear caused by using.
 - 10.6 Out of the Warranty duration.
 - 10.7 No valid “Warranty Card” and purchase invoice. No evidence to prove the recorder is within the Warranty duration.
 - 10.8 The Warranty servicing is invalid if “Warranty Card” describes the damages as the performance malfunction of the recorder itself plus the man-made damage. However, paid service is provided, and the damage reasons will be known to consider whether you need to pay fees of the maintenance material and maintenance labor or not.
11. If the recorder is not eligible for the warranty service and needs to pay for the service, describe

clearly the reason on the “Warranty Card” or on the invoice, and ask the user to confirm. If not, when received any complaint from the user, the related facility should be responsible for it.

12. If the recorder is repaired by the third party, the warranty duration for the original malfunction is 30 days.

13. Notice for delivering the recorder:

13.1 The recorder has the built-in Li-polymer battery. Please do not disassemble it by yourself. If you want to change the battery, please send the recorder to Kirisun designated service station.

13.2 Before delivering the recorder, please backup the important information stored in your recorder in case of being lost and let out during the delivery.

13.3 Please bring the valid receipt when getting back your recorder. If the valid receipt is lost, you should register on the related facility with your own identification card or other valid certificates. After 7 working days, you can bring your ID card to take back the recorder.

14. 24 hours on-duty, quick response and service guaranteed.

Service hotline: 400-700-9995

15. Backup host support

16. Shenzhen Kirisun Electronics Co., Ltd owns the final explanation of KME-219S Professional On-site Law Enforcement Recorder service system.