智能车载记录仪
Mini 4G Vehicle NVR System

KEDACOM

快速使用指南
Quick Start Guide

一、前言

感谢您购买我司产品，如对本公司产品有疑问或需要，请随时和我们联系。我们尽最大努力来保证本手册信息的正确性，如因升级等原因发生信息修改，恕不另行通知。获取最新文档请联系产品供应商。

本手册适用于以下型号：

KDM2412MX-0204A/TF
KDM2412MX-0204A/TF-FD
KDM2412MX-0204A/TF-FS
KDM2412MX-0204A/TF-TD
KDM2412MX-0204A/TF-TS

二、安全说明

此内容（手册）的目的是确保用户正确使用本产品，以避免危险或财产损失。在使用产品之前，请认真阅读此手册并妥善保存以备日后参考。如果用户因没有按照以下安全说明，致使设备不能正常使用或损坏等情况，责任由用户承担。

电源要求

- 安装使用过程中，严格遵守使用地各项电气安全规定。
- 请使用满足安全电压要求的电源，在设备运行之前检查供电电源是否正确。
- 电源供电：DC 9~36V电源供电。

使用环境要求

- 请勿将设备安装在阳光直射的地方或发热源附近。
- 请保持设备水平放置，四周预留足够的空间，以利于空气流通、散热等。
- 请勿将设备置于潮湿、多尘、极热、极冷或强电磁干扰等场所。
- 请勿让任何液体流入设备，以免内部元件受损。
- 避免将产品暴露在非用户手册所示的工作环境下使用。

工作环境	
工作电源	DC 9V~36V
温度	-35°C~+60°C
湿度	8%~90%（无凝结）
海拔	≤5000m

线缆要求

- 安装线缆应与原车电缆走向一致，沿车辆原线缆安装布线，与原车辆电缆绑扎固定，做到布线整齐、隐蔽，防止司机和乘客碰触。
- 无线网络天线以及定位天线需安装在信号较好的地方且注意防雷，同时确保不要有任何物体覆盖或遮挡。

日常维护

- 请不要将较重的物品摆放在设备上，并防止设备从高处摔落或受强烈敲击。
- 如果设备工作不正常，请联系厂家或最近的服务中心。不要以任何方式随意拆卸或修改设备。
- 需要替换部件时，请事先与经销商联系，更换指定型号的部件，或与原部件具有相同特性的部件。擅自使用其它部件进行替换，后果自负。
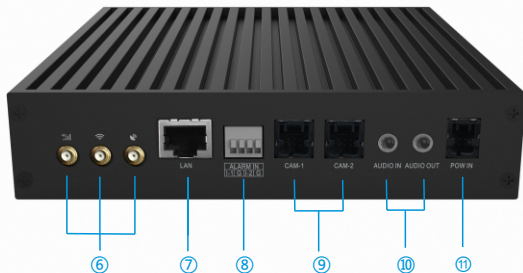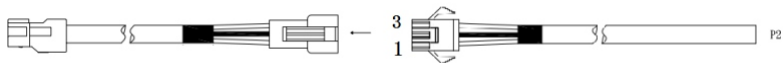- 当运送设备时，请重新以出厂时的包装进行包装，或使用同等品质材料包装。

三、设备介绍

前面板

编号	部件名称	解释	说明
①	POW	电源指示灯	上电过程中电源指示灯常亮
②	SD CARD1/2	SD卡槽	2个SD卡插槽，支持各插入一张SD卡
③	SIM	SIM卡插槽	支持插入一张SIM卡，包括2G/3G/4G的中国移动/联通/电信
④	Micro USB	Micro USB插口	支持USB接入PC调试
⑤	RESET	Reset复位按键	长按5秒，恢复出厂设置，设备重启

后面板

编号	部件名称	解释	说明
⑥	⁴ᴳ𝄙 ⧈ ⧈	4G、Wifi及GPS/BD天线接口	支持插入4G、Wifi以及GPS/BD 天线
⑦	LAN	LAN口	10M/100M自适应网口，可接车载云台摄像机
⑧	ALARM IN	2路开关量告警	支持2路开关量告警输入
⑨	CAM-1/2	摄像机插口	2路FDCAM-100摄像机插口，各支持插入1个FPD-LINK摄像机
⑩	AUDIO IN/OUT	音频输入输出	音频3.5mm输入输出插口
⑪	POW IN	POW IN插口	电源输入插口，为主机供电

电源接线介绍

CON	颜色	P2	信号
1	红	CUT	电源+
2	黑	CUT	电源-
3	绿	CUT	点火ACC

将左侧电源线插入设备电源插口中，图上所示右侧线缆为电源延长线。
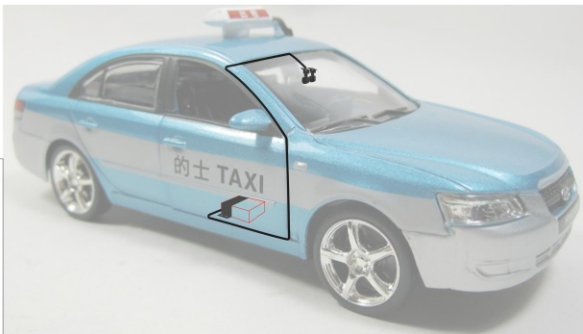
四、设备配置

1. 环境搭建

1) 设备安装

在安装设备前，请先检查包装箱中的设备及组件，确保实际物品与装箱清单相符且物品无损坏现象，若发现问题，请及时与供应商或客服联系。

- 当主机位于副驾驶座椅下方时，线从副驾驶脚垫下面出来连接主机，如下图所示。摄像机吸附于车前挡风玻璃上。推荐用户安装两个摄像机，并将一个朝向车外，另一个则朝向车内。

- 当主机位于后备箱时，连接车顶边缘下来的线，线缆走向如下图所示。安装支架两侧用螺丝固定。

如用户需要接入车载云台摄像机，请参见如下操作。

安装

1) 先将避震底座安装在车载支架上，然后再把摄像机安装在避震底座上。如果需要抬高摄像机的角度，可以在避震底座和车载支架之间安装抬高底座。
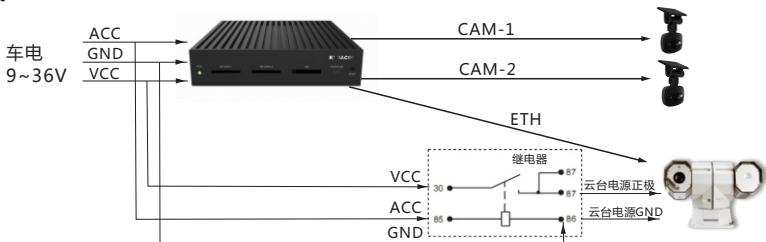2) 将安装好的车载支架固定安装在车顶，再固定好车载支架两侧的拉条。

【注意】

①安装过程中如果有警灯影响安装位置，可以将警灯向后移动，摄像机安装在警灯的前面。

②车载支架两侧拉条的固定长螺丝不可完全拧紧到底，要预留1cm左右的空隙，防止车辆在运动颠簸中因拉力过大损坏车载支架拉条。

云台摄像机

安装车顶上

车载安装支架

连线

车电
9~36V

ACC
GND
VCC

CAM-1

CAM-2

ETH

继电器

VCC
30   87
      87   云台电源正极

ACC
85

GND   86   云台电源GND

【说明】

① VCC为汽车电瓶电源正极；GND为电瓶的负极；ACC为汽车钥匙的点火检测。

② CAM1为KDM2412MX的FPDLINK摄像机的接口1；CAM2为KDM2412MX的FPDLINK摄像机的接口2。

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③ ETH为KDM2412MX的网口。

④ 图中的继电器为12V或24V车用继电器，依据车辆来选择。

⑤ 当云台电源的正极或GND的电流大于5A时，建议采用18AWG以上的线缆。

2) 设备上电

设备安装好后，需再次进行检查线缆连接。检查无误后，设备上电。

2. WEB端配置

1) 设备上电后，通过网线连接到PC机。打开浏览器，输入默认IP192.168.0.99:8080，进入Web端，设置admin用户密码，并填写邮箱（忘记密码可以通过此邮箱重置密码），激活设备；

登录

admin

8-16位，数字、大、小写字母或特殊符号的两种组合以上

确认密码

认证邮箱

非常重要，忘记密码可以通过此邮箱重置密码

激活

2) 设备激活后，进入浏览界面；（下次登录时，直接输入用户名及密码即可登录）

3) 进入配置> 网络配置>WIFI协议界面，勾选**开启WIFI**，将WLAN切换成AP热点，然后设置连接密码。

接入平台

1) 进入配置>网络配置>接入平台>GB28181界面，勾选**启用**；

2) 填写入网ID，平台ID、地址、端口，用户名和密码以及视频源通道；

【说明】入网ID，平台ID、地址、端口以及用户名密码可在监控平台联网管理客户端上进行查看。

3) 点击**保存**按钮，设置生效。

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连接视图库

1) 进入配置>网络配置>接入平台>视图库界面，勾选**启用**；

2) 选择视图库，填写设备ID以及对应视图库的IP地址、端口以及用户名密码；

3) 点击**保存**，设置生效。

KEDACOM	▶ 实时浏览	🗐 回放	✖ 配置

←	网络管理	VSIP　SIP　视图库　位置服务

IP及端口
其他协议
接入平台

启用	☐
视图库选择	视图库1 ▼
设备ID	0000000000000000000
视图库IP地址	0.0.0.0
视图库端口	8080　(1~65535)
用户名	admin
密码	•••••
心跳间隔	60　(30~300)
安装地址	1
行政区域	1

保存
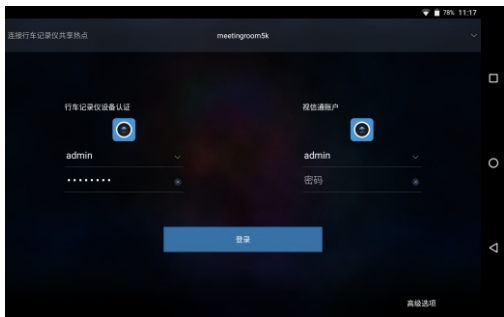
3. PAD端配置

　　PAD端连接设备发出的无线热点，输入连接密码。

1) 第一次登录时，需在登录界面点击**高级选项**按钮，填写设备IP地址和端口；

2) 填写完成后，输入行车记录仪设备认证用户名以及密码（与WEB端激活时设置的用户名及密码相同），视信通用户名及密码由用户注册视信通账号时自行设置。如不需要登录视信通账户，可点击**高级选项**，取消勾选登录视信通。

　　【注意】PAD端在登录前，需先进行WEB端的激活，否则PAD端无法登录。若设备进行ROM升级或者恢复出厂等操作也可能需要重新激活。

保修说明

本保修卡适用于您购买的本公司系列产品。

1.免费保修期一年（仅限中国大陆地区，中国大陆以外地区请参考英文说明）。

2.凡保修期内，由于本产品自身引起的故障，请与公司售后服务部联系。

3.保修时我们将使用您的保修卡信息，请认真填写。

4.以下情况，属于有偿保修范围：

   -人为原因造成的设备故障

   -因使用环境不符合本产品要求造成的故障

   -因不可抗力造成的产品损坏

   -无保修卡

   -已过免费保修期

用户信息

用户名称：

详细地址：

传真：   电话：

邮箱：   邮编：

产品名称：

产品型号：

购买日期：

I Preface

Thank you for purchasing our product. If there are any questions, or requests, please do not hesitate to contact us.

Every effort has been made to ensure the accuracy and validity of this Guide. Any update of this Guide is subject to change without notice. For the latest document, please contact the dealer.

This guide applies to these models：

KDM2412MX-0204A/TF
KDM2412MX-0204A/TF-FD
KDM2412MX-0204A/TF-FS
KDM2412MX-0204A/TF-TD
KDM2412MX-0204A/TF-TS

II Safety Instruction

These instructions are intended to ensure that the user can use the product correctly to avoid danger or property loss. Please read this Guide carefully before using the product, and keep it properly for future reference. If the product cannot work normally or is damaged because the user does not follow the safety instructions, we shall not assume any responsibility.

Power Supply

- During installing and using the device, please follow local electrical safety regulations strictly.
- Please use power supply in the safe voltage range of our product. Make sure if the power supply is correct before running the device.
- Power supply: DC 9~36V.

Working Environment

- Do not install the device at places where sunlight would shoot directly or near any heat source.
- Please place the device horizontally and reserve enough space around it for air circulation and heat dissipation.
- Do not expose the device in damp, dusty, extremely hot or cold places or places with intense electromagnetic radiation.
- Keep the device away from water or any liquid to avoid damage to internal components.
- Do not expose the device in the environment not defined in the Guide.

1

Working Environment	
Voltage	DC 9V~36V
Temp.	-35℃~+60℃
Humidity	8%~90% (non-condensing)
Altitude	no higher than 5000m

Wiring

- The wires should go in accordance with that of the vehicle. Layout the wires along and bind with the vehicle wires. Make sure the wires are neat and concealed and free from being broken by driver or passengers.
- The WiFi and GPS antennas should be installed at a place with strong signal and be made lightningproof; meanwhile, make sure no object is covering or shielding them.

Daily Maintenance

- Please do not put heavy objects on the device and prevent it from falling from a height or being strongly knocked.
- If the device does not work properly, please contact your dealer or the nearest service center. Never disassemble or edit the device in any way.
- When it is necessary to replace a part, please contact your dealer in advance and replace the part with specified model or part of the same features. We shall not assume any responsibility for problems caused by unauthorized replacement.
- While shipping the device, pack it in the factory packing or use materials with equivalent quality.
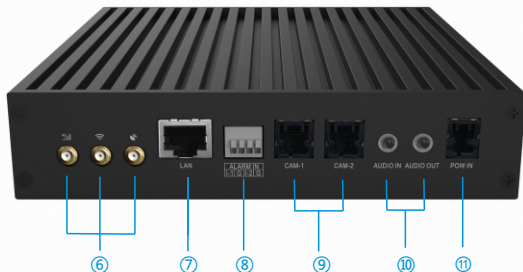
III Device

Front Side

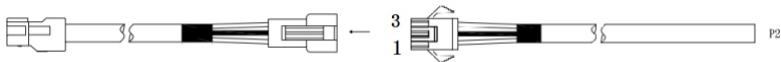| No.	Part	Name	Note
①	POW	power indicator	it is permanently on during powering on
②	SD CARD 1/2	SD card slot	2 SD card slots, each supports 1 SD card
③	SIM	SIM card slot	support 1 SIM card, including 2G/3G/4G signals
④	Micro USB	Micro USB slot	support USB accessing to PC for adjustment
⑤	RESET	Reset	long-press for 5s to reset to factory default and reboot

Back Side

No.	Part	Name	Note
⑥	4G 🛜 📶	4G, Wifi and GPS antenna ports	support 4G, WiFi and GPS antennas
⑦	LAN	LAN port	10M/100M adaptive port, able to access to vehicle PTZ camera
⑧	ALARM IN	2-channel alarms	support 2 channels of alarm input
⑨	CAM-1/2	Camera port	2 channels of FDCAM-100 camera port, each supports 1 FPD-LINK camera
⑩	AUDIO IN/OUT	Audio input/output	audio 3.5mm input/output port
⑪	POW IN	Power port	power supply port, electrifying the device

Power Supply Connection

CON	Color	P2	Signal
1	Red	CUT	Power+
2	Black	CUT	Power-
3	Green	CUT	Igniter ACC

Insert the power cord on the left into the power port on the device. the wire on the right in the above picture is the extension power cord.
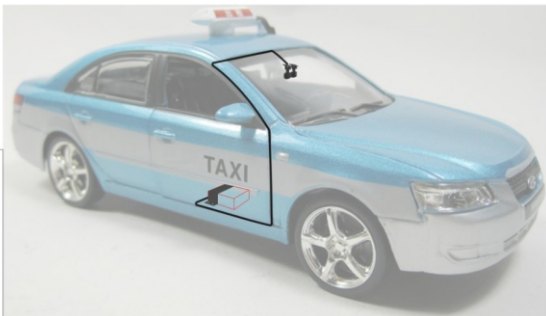
IV Configuration

1. Setup

1) Installation

Before installation, please examine the device and accessories in the packing first to ensure the objects are exactly as described on the packing list and are free from damages. If there's any question, please contact your dealer or customer service person timely.

- When the device is put at the bottom of the co-driver seat, the wire goes through the foot pad of co-driver seat and connects to the device, as shown below. The camera is stuck on the front windshield. Suggest installing 2 cameras, one faces outward and another inward.

- When the device is put in the trunk, connect it to the wire going from from the margin of vehicle roof and arrange it as the picture indicates. Fix the sides of the bracket with screws.

When user wants to connect it to the vehicle PTZ camera, follow the operations below.
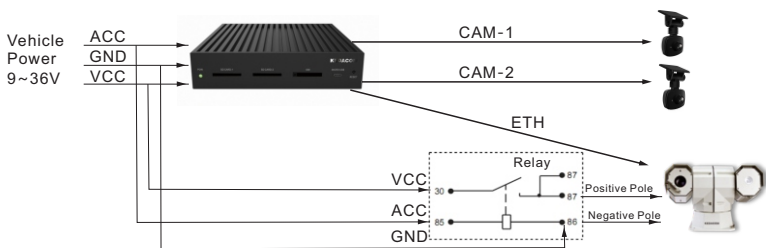
Installation

1) Firstly, install the suspension base onto the vehicle bracket, then install the camera thereon. If you want to raise the angle of the camera, you can install an elevated base between the suspension base and the vehicle bracket.

2) Fix the mounted vehicle bracket onto the roof of the vehicle and then fix the bracing at the two sides of the vehicle bracket.

[ATTN]

① During installation, if there is any police light hindering the mount position, move it backward and install the camera before the police light.

② The fixing long screws on the bracing at two sides of the vehicle bracket cannot be screwed till the end. About 1cm length of space should be reserved to prevent the vehicle bracket bracing from being damaged by the large tension of the vehicle in bumpy movement.

IPC521-E020-N
(with suspension)

Install on vehicle roof

Vehicle Bracket

Wiring

Vehicle Power 9~36V — ACC, GND, VCC — CAM-1, CAM-2, ETH

Relay

VCC — 30 — 87 — 87 — Positive Pole
ACC — 85 — 86 — Negative Pole
GND

[Note]

(1) VCC is the positive pole of vehicle power supply; GND is the negative pole; ACC is the ignition detector of vehicle key.

(2) CAM1 is the port 1 of KDM2412MX FPDLINK camera; CAM2 is the port 2 of KDM2412MX FPDLINK camera.

(3) ETH is the network port of KDM2412MX.

(4) The replay in the picture is 12V or 24V vehicle relay, which subjects to the vehicle.

(5) When the current of PTZ camera positive pole or negative pole is more than 5A, suggest using wires of 18AWG or above.

2) Power on

After finishing installation, re-check the wire connections. If there's no problem, power it on.

2. Web Client Setting

1) After electrifying the device, access to the PC with network cable. Open browser and input the default IP address 192.168.0.99:8080 to enter the web client. Configure admin username and password and fill an email address for resetting the password. Click "**Activate**" to activate the device.

Log In

👤 | admin

🔒 | Password

Weak ——— Strong

A password can be 8-16 bits long and can consist of digits, letters (upper/lower case), and special characters. A password cannot consist of only digits/letters/special characters.

🔒 | Confirm Password

✉ | Mail

This mail address will be used to reset your password.

Activate

2) After the device is activated, enter the viewing interface (next time, input username and password to login);

3) Go to Settings > Network > WiFi, check "**Enable WiFi**" and switch WLAN to AP hotspot and set the connection password.

Access to Platform

1) Go to Settings > Network > Platform > GB-28181, and check "**Enable**";

2) Input device ID, system ID, system IP and port, username and password, and number of video channel;

[Note] You can view device ID, system ID, IP, port and username and password on PMC client of VMS.

3) Click "**Save**" to validate settings.

Access to VIID

1) Go to Settings > Network > Platform > VIID, and check "**Enable**";

2) Select VIID, input device ID and VIID IP address, port and username and password;

3) Click "**Save**" to validate settings.

3. Pad Client Setting

Connect to the wireless hotspot sending out by the device at pad client and input the connection password.

1) During your first login, you need to click "**Advanced**" on the interface and input device IP and port;

2) After finishing, input device authentication username and password (same as that set during web client

activation). Vline username and password should be set when registering to Vline. If you don't need Vline

account, click "**Advanced**" and uncheck Vline account.

[ATTN] Before logging in to the pad client, activate the device through web client, otherwise you will be unable to login to the pad client. If you upgrade device ROM or reset it to factory default, you also need to activate it again.

Device Authentication

VLine Account

admin

zfys02

••••••••

••••••

Login

Advanced

Kedacom Two (2) Year Limited Hardware Warranty

WHAT IS COVERED BY THIS WARRANTY?
Kedacom warrants the Kedacom-branded hardware product and accessories contained in the original packaging (hereinafter referred to as "Kedacom Product") against defects in materials and workmanship when used normally in accordance with Kedacom's published guidelines for a period of TWO (2) YEARS from the date of original retail purchase in areas other than mainland China by the end-user purchaser (hereinafter referred to as "Warranty Period"). For the Kedacom Product purchased in mainland China, see the simplified Chinese version of this warranty for details. Kedacom's published guidelines include but are not limited to information contained in technical specifications, user guides, and service communications.
The preceding applies unless otherwise agreed in the contract.

WHAT IS NOT COVERED BY THIS WARRANTY?
This warranty does not apply to any non-Kedacom branded hardware products or any software, even if packaged or sold with Kedacom hardware. Manufacturers, suppliers, or publishers, other than Kedacom, may provide their own warranties to you but Kedacom, in so far as permitted by law, provides their products "AS IS". Software distributed by Kedacom with or without the Kedacom brand (including, but not limited to system software) is not covered by this warranty. Please refer to the licensing agreement accompanying the software for details of your rights with respect to its use. Kedacom does not warrant that the operation of the Kedacom Product will be uninterrupted or error-free. Kedacom is not responsible for damage arising from failures to follow instructions relating to the Kedacom Product's use.

This warranty does not apply: (a) to consumable parts, such as batteries, unless failure has occurred due to a defect in materials or workmanship; (b) to cosmetic damage, including but not limited to scratches, dents, and broken plastic on ports; (c) to damage caused by use with another product; (d) to damage caused by acts outside the control of Kedacom, including without limitation acts of God, accidents, abuse, misuse, fire, storms, earthquakes, flood, or other external cause; (e) to damage caused by exposure of the product to heat, bright light, sun, liquids, sand, or other contaminants; (f) to damage caused by operating the Kedacom Product outside Kedacom's published guidelines; (g) to damage caused by service (including upgrades and expansions) performed by anyone other than a representative of Kedacom, Kedacom employee, or authorized Kedacom agent; (h) to an Kedacom Product that has been modified to alter functionality or capability without the written permission of Kedacom; (i) to defects caused by normal wear and tear or otherwise due to the normal aging of the Kedacom Product, or (j) if any serial number has been removed or defaced from the Kedacom Product.

YOUR RESPONSIBILITIES
If your Kedacom product is capable of storing data and other information, you should make periodic backup copies of the information contained on the storage media to protect the contents and as a precaution against possible operational failures.

Before receiving warranty service, Kedacom or its authorized agents may require that you furnish proof of purchase details, respond to questions designed to assist with diagnosing potential issues, and follow Kedacom's procedures for obtaining warranty service. Before submitting your Kedacom Product for warranty service, you should maintain a separate backup copy of the contents of its storage media, remove all personal information that you want to protect, and disable all security passwords.

During warranty service, it is possible that the contents of the Kedacom product's storage media will be lost, replaced or reformatted. In such an event, Kedacom and its authorized agents are not responsible for any loss of data or other information contained on the storage media or any other part of the Kedacom product serviced.

Following warranty service, your Kedacom Product or a replacement product will be returned to you as your Kedacom Product was configured when originally purchased, subject to applicable updates. You will be responsible for reinstalling all other data and information. Recovery and reinstallation of other data and information are not covered under this warranty.

WHAT WILL KEDACOM DO IF THE WARRANTY IS BREACHED?

If during the Warranty Period, you submit a valid claim to Kedacom or an authorized Kedacom agent, Kedacom will, at its option, (i) repair the Kedacom Product using new or previously used parts that are equivalent to new in performance and reliability, or (ii) exchange the Kedacom Product for a refund of your purchase price.

A Kedacom replacement part or product, including a user-installable Kedacom part that has been installed in accordance with instructions provided by Kedacom, assumes the remaining warranty of the Kedacom Product or ninety (90) days from the date of replacement or repair, whichever provides longer coverage for you. When a product or part is replaced or a refund provided, any replacement item becomes your property and the replaced or refunded item becomes Kedacom's property.
Kedacom reserves the right to refund the purchase price as its exclusive warranty remedy.

HOW TO OBTAIN WARRANTY SERVICE?

To seek warranty service, please contact a local authorized Kedacom agent. When contacting the agent via telephone, other charges may apply depending on your location.

User Information

Complete the form below and keep for ready reference.

User Name:		
Address:		Postal Code:
Tel:	Mobile:	
Fax:	E-Mail:	
Product Name:	Product Model:	
Date of Purchase:		