

PHILIPS

VideoTracer

音视频记录仪

VTR8400

使用手册

User manual



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1 欢迎

欢迎来到飞利浦世界！您能选择和购买飞利浦的产品，我们非常高兴。您可在我们的官方网站上获得飞利浦公司的全方位技术支持，如：使用手册、软件下载、保修信息等。

www.philips.com

1.1 产品特点

- 一键录音：仅仅按下录音键即可实现录音，再按一下录音键保存录音。
- 一键录像：仅仅按下录像键即可实现录像，再按一下录像键保存录像。
- 一键传输键：仅仅按下一键传输键即可实现视频上传。
- 语音对讲功能：点击集群对讲图标，进入集群对讲功能界面，按下 PTT 键进入对讲软件登录界面。
- 长按 SOS 键即可实现紧急 SOS 呼叫。
- 4G 网络开关键，长按开启 4G 网络。
- 真正采用立体声录音的音视频记录仪。
- 采用智能音频编码解码器，双咪头主动降噪，声音更清晰。
- 160° 超大广角镜头，录像无死角。
- 双滤光片切换器，白天不偏色，夜晚更清晰。
- 无需看屏幕就能准确对镜头位置进行激光定位。
- 3.5mm 标准耳机，在嘈杂的环境下回放声音更清晰。
- 字符叠加功能，所有视频和照片都附加时间、产品编号、使用者编号等信息，无法剪辑，更具法定证据效力。
- 超长文件名，所有录像文件的文件名都包含产品编号、时间、使用者编号等信息，方便数据存档、检索。
- 录像资料自动分割保存，防止错误操作造成资料丢失。
- 外置存储卡，最大支持 128G。
- 高清扬声器：采用高品质振动喇叭，无论播放录音文件或录像文件，都给人身临其境的感受。
- 以常见的 WAV 格式录音。
- 使用高速 USB 2.0 快速存取音视频文件和数据。
- 可作为大容量的 USB 存储设备，确保最大的兼容性。

2 重要须知

2.1 安全



注意

- 此符号标志指明处理或操作设备时必须遵守的各种注意事项。



小心

特别声明：使用本产品前请仔细阅读本说明书，如因人为操作或不可抗力因素而导致数据丢失，本公司一概不予负责。特别提醒用户小心操作，注意将资料另外备份。

2.2 听力保护

使用耳机时请遵守下列原则：

- 调整至合适的音量，切勿长时间使用耳机。
- 特别需要注意，切勿将音量调至耳朵所能承受的范围之外。
- 切勿将音量调至盖过周边环境的声音。
- 在危险情况下请小心或暂停使用耳机。

- 在驾驶汽车、骑自行车、玩滑板时，切勿使用耳机。否则会导致交通意外，且违反相关法律法规。

2.3 录音的法律限制

- 本设备录音功能的使用可能受限于所在国家法律的限制。录制他人谈话或者课程时应当尊重他人隐私及第三方人权。
- 请注意，在部分国家，当录制用户与他人通话时，用户应根据法律要求通知对方，否则该录音行为将被视为不合法。请在录音前通知使用人所在国家该录音数据使用的合法性。

2.4 后台数据

- 自系统激活日起，本公司可以免费提供一年服务，到期如需继续提供服务，请致电：400-800-7890
- 后台系统仅保存最近 7 天的音视频采集数据，请确保有效数据备份，如因逾期造成的数据丢失，我司不负任何责任。



注意

- 64GB 以上的 TF 卡，初次使用须在本机格式化。
- 格式化之前请确保 TF 卡里的资料已备份。
- 卡格式化步骤：在“系统信息”菜单点击，选择“软件版本号”菜单，连续快速点击“软件版本号”后进去“工厂测试模式”选择“格式化 SD 卡测试”后弹出格式化界面，最后点击“格式化 SD 卡”。
- 格式化完成后，手动重启机器即可使用。



小心

- 此符号标志警告可能发生的设备损坏和数据丢失。操作不当，可能导致损坏。



警告

- 此符号标志警告人身伤害危险。操作不当，可能导致人身伤害或设备损坏。

2.5 所用符号标记



提示

- 此符号标志指明帮助您更加高效简便使用设备的信息。

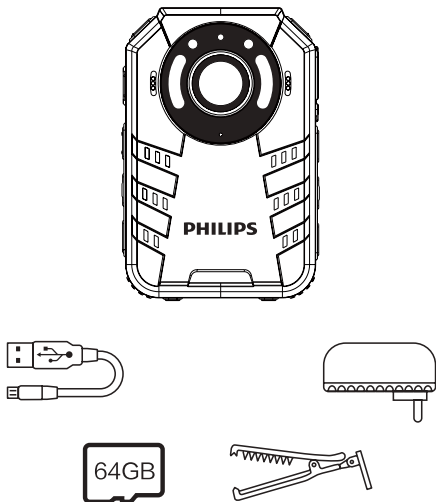


注意

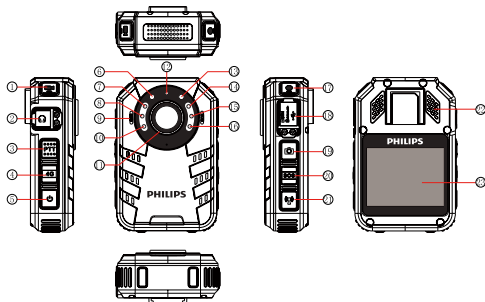
- 此符号标志指明处理或操作设备时必须遵守的各种注意事项。

3 您的音视频记录仪

3.1 设备包含



3.2 主机概览



- | | |
|-------------|-----------------|
| ① 录像键 | ⑬ 工作指示灯 |
| ② 耳机孔 | ⑭ 白光灯 |
| ③ PTT语音对讲键 | ⑮ 红外灯 |
| ④ 4G网络键/返回键 | ⑯ 红外灯 |
| ⑤ 开关机键 | ⑰ 录音键 |
| ⑥ 光敏电阻 | ⑱ USB/SIM/TF卡接口 |
| ⑦ 激光灯 | ⑲ 拍照键 |
| ⑧ 红外灯 | ⑳ SOS键/重要文件标志 |
| ⑨ 咪头 | ㉑ 一键视频上传 |
| ⑩ 红外灯 | ㉒ 喇叭 |
| ⑪ 摄像头 | ㉓ 屏幕 |
| ⑫ 4G网络指示灯 | |

4 开始使用

4.1 开 / 关机

注意

- 第一次使用机器时，请对该机器在关机状态下使用出厂配备的充电器充电 2 小时以确保机器有电工作！

关机状态下，长按开机键，本机自动开机，显示飞利浦图标，如下图所示：




机器进入预览界面，如下图所示，预览状态下，工作状态指示灯亮绿灯。点击屏幕“+”或“-”放大与缩小预览界面，实现数码变焦功能。



按下返回键，返回到主界面，系统主界面如下图所示：



 提示

- 本机使用不可拆卸锂电池供电，如果长时间不使用音视频记录仪，请长按“开关机”按键，出现“关机”和“重启”选项时，选择“关机”主机会正常关机
- 如果音视频记录仪无法正常工作，请确认机器是否已没电。
- 机器工作过程中，请勿直接把外置卡拔出，否则会损坏文件或导致机器异常。
- 当电量指示标志为时，请及时充电。

4.2 充电方法

- (1) 使用 USB 数据线将本机与 PC 相连接，充电过程中充电指示灯长亮绿色，充满后熄灭。
- (2) 使用 USB 数据线将本机和出厂配备的充电器进行充电，充电过程中充电指示灯长亮绿色，充满后熄灭。

 提示

- 本机充电可以使用关机充电和开机充电的方式，一般情况下，关机充满电需要 3 小时左右，开机充满电需要 5 小时左右（建议关机充电）。

4.3 连接电脑



音视频记录仪可作为大容量的 USB 存储设备，并可方便地与电脑相连，VTR8400 无须安装软件，音视频记录仪会自动显示为 VTR8400。

 提示

- 在文件移入或移出音视频记录仪时，请不要断开音视频记录仪与电脑的连接。
- USB 连接电脑：开机状态下可直接连接；关机状态下则需长按电源键开机，待机器开启后方可连接。

5 录像

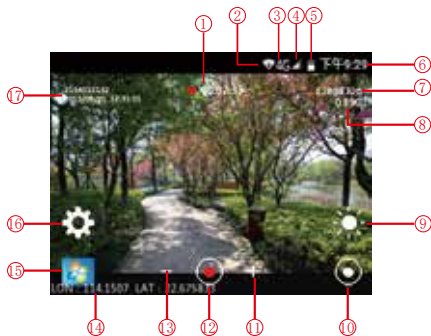
当您初次使用音视频记录仪录像时，请注意本节中的内容说明！

- (1) 在摄像预览状态点击“录像”键开始录像，状态指示灯红灯长亮。
- (2) 点击屏幕“+”或“-”放大与缩小预览界面，实现数码变焦功能，最大支持 10 倍变焦。
- (3) 按“”键，激光灯会开启，可以实现激光定位，确定录像区域。
- (4) 在黑夜或者光线暗的环境下录像时，按下“”键，照明灯将打开，补充光源。
- (5) 录音和录像可一键切换，同时保存文件。
- (6) 点击“文件回放图标”可进入文件回放界面。

录像参考界面如下图所示



录像界面说明



- ① 录像时间
- ② WIFI
- ③ 4G网络
- ④ 信号强度
- ⑤ 电量标志
- ⑥ 系统当前时间
- ⑦ 录像分辨率
- ⑧ TF卡剩余内存
- ⑨ 白光灯
- ⑩ 激光灯
- ⑪ 数字变焦+
- ⑫ 录像状态
- ⑬ 数字变焦-
- ⑭ 经纬度
- ⑮ 文件回放
- ⑯ 录像设置
- ⑰ ID水印信息



注意

- 电池标记符显示空格时，表明低电。如果正在录像或者录音，系统自动保存录音文件后关机。电量不足时，请及时充电。低电关机时，显示屏也会有相应的提示，显示屏的提示图标如下所示



提示


- 录像前，请先设置所需的录像参数。
- 请先删除一些不必要的文件再录。
- 本机有感光元件，如果打开夜视功能，当环境光线暗到一定值时，红外灯自动打开。

6 拍照

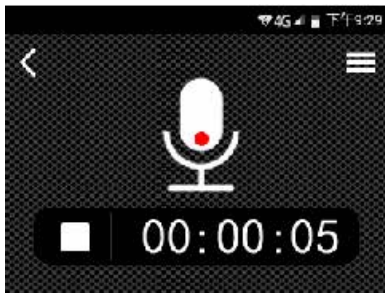
当您初次使用音视频记录仪拍照时，请注意本节中的内容说明！
在摄像预览状态下，直接按拍照键进行拍照，拍照时会有“铛铛”一声，在黑夜或者光线暗的环境下，需要开启机器红外灯或者补光灯进行拍照，在录像状态下，按下拍照按键可以抓拍照片。

7 录音

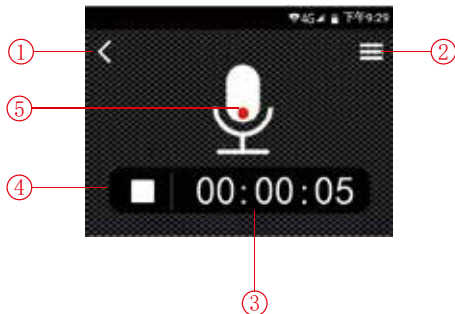
当您初次使用音视频记录仪录音时，请注意本节中的内容说明！

- (1) 按下“录音键”或点击屏幕的音频采集图标“”开始录音；工作状态指示灯将亮黄灯；请将内置咪头对准音源。
- (2) 按下“录音”键或点击屏幕停止键结束录音同时自动保存录音文件。
- (3) 在录音状态下，按“录像”键结束并保存当前录音，同时切换到录像，再次短按“录音”键结束并保存当前录像，同时切换到录音。

录音参考界面如下如所示：



录音界面说明



- ① 返回
- ② 回放文件
- ③ 录音时间
- ④ 录音\停止
- ⑤ 录音状态



提示

- 请先删除一些不必要的文件再录。
- 在录音或者录像过程中禁止直接将卡拔出，否则可能导致文件损坏。
- 录音或者录像时请勿断电，否则可能会导致音视频记录仪故障，文件丢失或文件损坏等问题。
- 如果需要长时间使用，请在录音前充电。

8 视频模式

点击主菜单中的文件回放图标或者预览状态界面中的文件回放图标进入视频文件回放列表，视频文件列表参考界面如下图所示：



点击播放文件，播放状态下点击“◀”或“▶”键切换播放文件，再点击播放键视频播放暂停。

视频播放参考界面如下图所示：



录像文件播放界面说明：



- ① 播放进度条
- ② 文件名
- ③ 文件总时间
- ④ 播放倍速
- ⑤ 下一个文件

- ⑥ 播放\暂停
- ⑦ 上一个文件
- ⑧ 经纬度
- ⑨ ID水印信息
- ⑩ 当前播放时间

8.1 视频播放

- (1) 播放状态时点击“◀”或“▶”键，切换播放文件。
- (2) 点击屏幕“播放”键开始播放。
- (3) 播放过程中，点击暂停键暂停播放。
- (4) 按“返回”键结束播放，并返回到回放文件列表界面。
- (5) 播放时可点击屏幕1X切换播放速度，可选择1倍，2倍，4倍，8倍，16倍，32倍，64倍文件播放速度。
- (6) 可通过滑动文件播放进度条选择播放时间点。



提示

- 当耳机插入插孔内，机器扬声器被关闭。
- 耳机是单声道输出接口，为配合对讲耳麦使用。

9 照片模式

点击主菜单中的文件回放图标或者预览状态界面中的文件回放图标进入图片文件回放列表，图片文件列表参考界面如下图所示：



点击进入照片浏览状态，点击“◀”或“▶”切换照片。
照片回放界面



10 语音模式

点击主菜单中的文件回放图标或者预览状态界面中的文件回放图标进入音频文件回放列表界面，列表参考界面如下图所示：



语音播放列表界面点击播放文件，点击暂停标识暂停播放，按4G键返回播放列表。

语音播放参考界面如下图所示：



语音文件播放界面说明：



- ① 播放进度条
- ② 当前播放时间
- ③ 文件名
- ④ 文件总时间
- ⑤ 暂停

11 文本模式

点击主菜单中的文件回放图标或者预览状态界面中的文件回放图标进入文本文件回放列表界面，文本文件列表参考界面如下图所示：



文本界面如下图所示：



12 集群对讲功能

12.1 登录执法仪



- (1) 点击执法仪桌面图标“”，进入集群对讲功能界面，按下 PTT 键进入对讲软件登录界面。



- (2) 设置参数，点击“设置”，进行相关设置。



- 服务器：默认地址 4g.szgps.net。
- 端口：输入服务器通信端口，默认 6050。

- 数据端口：输入数据交互端口，默认 80。
- 输入完成后，点击“确定”。

(3) 用户登录



- 输入登录账号，默认为机器序列号后 6 位
- 输入登录密码，默认为 123456
- 输入完成后，点击登录

提示

- 请保证网络正常，无网络提示“登录失败”。
- 为了您的账号安全，请及时更改密码。

12.2 集群对讲


(1) 创建对讲组

通过终端可以创建对讲组，操作步骤如下：



- 点击右上角图标 ，进入频道列表，如下图。



- 点击右上角图标，进入群组创建界面，如下图。



- 选择频道类别



- 选择组内成员



- 设置组名称



- 群组类型及组内成员确定后，点击“完成”，弹出群组名称设置界面，如下图。



(2) 对讲通话，按住界面中的圆形图标或者按执法仪左端的 PPT 键，进行通话。

- 左侧的数字“2/0”代表当前在对讲组中的人数。
- “空闲”代表该组中无人在讲话。



(3) 对讲结束，松开界面中的圆形图标或者松开执法仪的 PTT 键，即可对讲结束。



(4) 成员状态



点击图标“2/0”，可查看对讲组人员的状态，方便直接发起语音、视频呼叫或发送文字信息。



- 前台在线：该用户已进入对讲组中；

- 后台在线：该用户已登录，但未进入当前对讲组中；
- 点击，返回对讲主界面。

(5) 频道列表


- 点击“”，进入频道列表。用户可以选择加入或离开某个频道。
- 点击“”，退出某个频道。
- 点击某个频道名称，或者长按频道名称，进入该频道。

(6) 动态发起临时对讲组

点选几个联系人，一键发起对讲，方便快捷，在通讯录界面或者对讲组联系人界面通过点击两个或以上的联系人，同时点击下语音按键，一键邀请其他人进入对讲组。

在固定对讲组联系人界面发起临时对讲：



点选联系人后，点击“”，一键邀请联系人进入临时对

讲组。

被邀请的联系人收到对讲来电：



接听后，界面如下，点击“”退出临时对讲组，退出后会自动重新进入默认组。



12.3 实时回传

机器登陆账号后，现场人员可以通过该功能即时回传现场图像到指挥中心。



- 点击“实时回传”，弹出如下界面。



- 点击“点击呼叫指挥中心”，选择要上报的指挥中心调度台，发起视频呼叫，指挥中心会自动接听。

12.4 通讯录


在通讯录中，可以查看所有成员。






点击通讯录图标，弹出通讯录界面。




在通讯录里可以查看人员的基本信息及状态，也可以针对某个成员发起语音呼叫、视频呼叫、文字消息以及查看该成员实时位置。

点击“”，弹出拨号盘，如下图。




在拨号盘中输入成员号码，点击“”发起语音呼叫，点击“”发起视频呼叫，点击“”发起文字消息交流。

(1) 实时双向语音通话

在通讯录或对讲组联系人界面选择联系人，点击“”发起双向语音通话，通话界面如下：



(2) 实时双向视频通话

在通讯录或对讲组联系人界面点选某个联系人，点击“”发起视频通话，实时视频通话过程中可以切换摄像头，默认通话建立后开启免提，在网络不好情况下可以点击“语音模式”按钮，则双方由视频通话切换到语音通话，网络恢复后可再次切换到视频通话模式。在视频通话过程中，可以进行拍照和本地录像。

12.5 消息管理

通过通讯录界面选择一个联系人，点击下方图标进入聊天界面，支持语音，文字，图片，位置和录像等多媒体消息。



查看已发各类多媒体消息以及本地拍照和录像文件，点击右上角第三个图标。

12.6 频道列表

在频道列表中，可查看终端所有频道。



点击“频道列表”图标，弹出如下界面。



可进行切换频道和创建频道。

13 GPS 定位

支持 GPS，北斗双模定位，将经纬度显示在显示屏上，并生成实时位置文档，通过调度台回放轨迹。使用时需先在菜单中将 GPS 功能开启。

14 视频设置

在摄像预览状态界面点击屏幕设置功能图标，系统进入录像设置菜单列表，包括：分段录制，预录，延录，录像分辨率，开机自动录制，夜视功能，循环存储，拍照分辨率，连拍等功能。

14.1 分段录制

使用分段录制功能，可以设置每次录制的时间间隔，分段录制设置有 5 分钟、10 分钟、30 分钟三种选择。

14.2 视频预录

使用视频预录功能，你可以提前录制事件触发前十几秒到几十秒的画面，视频预录设置有关闭、10 秒、15 秒、20 秒、30 秒、60 秒六种选择，滑动屏幕点击选择所需选项。

14.3 视频延录

使用视频延录功能，你可以在按下按键保存录像后继续拍摄设定的时间，视频延录设置有关闭、3 秒、5 秒、10 秒、20 秒、30 秒六个选择，滑动屏幕点击选择所需选项。

14.4 录像分辨率

录像分辨率有 640×480、1280×720、1920×1080 三个级别，多种录像分辨率选择，可满足大部分应用场合，滑动屏幕选择合适的分辨率。

14.5 开机自动录制

机器开机时，系统自动进入录像模式。

14.6 夜视功能

开启后，在黑夜或者光线暗的环境下录像时，可手动或选择自动开启进入到夜视摄录模式。

14.7 循环存储

开启该功能时，机器内存录满后，继续录制，循环覆盖已录制内容。

14.8 拍照分辨率

拍照分辨率有低，中，高三种选择，可满足大部分应用场合。相同数量的照片，分辨率越高的照片所占内存越大。

14.9 连拍

连拍是指在取景预览模式下或在录像过程中，按一次拍照键机器能够连续拍摄多张照片。

连拍设置可以设置关闭、2张、3张、5张四个选择，选择合适的连拍张数。

15 平台设置

在主菜单界面点击屏幕平台设置功能图标，系统进入平台设置菜单列表。平台设置菜单列表包括：位置回传，视频设置，通用设置，报警（SOS）短信设置，一键报警（SOS），滑动屏幕选择所需设置的选项，点击进入。

平台设置界面如下图所示：



15.1 位置回传

(1) 上报状态

点击该选项进入子菜单选择开启或关闭位置回传功能。

(2) 定位模式

点击该选项进入子菜单选择位置定位模式，该模式有低功耗（仅网络定位），高精度（GPS+ 网络），仅设备 GPS 共三种模式可供选择，点击相应选项确认应用。

(3) 上报频率

点击该选项进入子菜单选择位置上报频率，上传频率有 5 秒、30 秒、1 分钟、3 分钟、5 分钟、10 分钟、15 分钟、20 分钟共 8 种选项，点击相应选项确认应用。

15.2 视频设置

(1) 通话分辨率

通话分辨率有 320X240、640X480、1280X720 共三种选项可供用户选择。

(2) 帧率

帧率有 7、10、15、20、24 共五种选项可供用户选择，帧率越大则视频画面越流畅，但耗电量和流量也越大。

(3) 码率

码率越大视频效果越好，但耗电量和流量也越大。用户可通过点击白色方框编辑设置码率，依据真实上行带宽能力和分辨率设置，320X240 推荐值 300kb，640X480 推荐值 700kb。

(4) 视频丢包保护

点击该选项，勾选符号亮起则表示该功能已开启。公网使用时

建议开启，15% 丢包率依然流畅，30% 丢包率不花屏。

(5) 丢包冗余度

丢包冗余度共有 1, 2, 3, 4, 5 共五种选项，点击选项进入子菜单滑动屏幕点击所需选项，该值越大，抗丢包能力越强，但同时需要更多带宽，建议用默认值不变。

(6) 拍照分辨率

点击选项进入子菜单，分辨率越高则清晰度越好，共有 1920X1080、1280X720、640X480 三种选项可供用户选择。

(7) 使用 USB 摄像头

点击该选项，视频回传切换到 USB 摄像头通道

15.3 通用设置

(1) 自动应答

当有通话来电时，机器自动接听

(2) 免打扰

所有来电都被拒绝接受

(3) PTT 键

按住 PTT 键即可进行 PTT 对讲。

(4) 声音放大器

放大器可将外放音量适当放大。

(5) 视频横屏

视频通话手机横屏显示视频画面。

(6) 加密通话

需要重新登录客户端，数据传输采用加密模式确保通信数据安全。

(7) 消息免打扰

收到信息无提示。

(8) 视频全屏

全屏显示远端视频，画面会拉伸。

(9) 开机启动

开启后，机器开机自动启动平台。

15.4 报警 (SOS) 短信设置

可在该处设置报警短信内容。

15.5 一键报警 (SOS)

当发生紧急情况下时，可将自己的实时视频和位置上报指挥中心。指挥中心调度台会立即看到该巡逻人员的视频及其准确位置。同组内的其他移动端也会实时收到事先设置好的文字描述报警信息，并能实时知晓该队员的 GPS 位置，根据地图导航前去现场进行救援支持。

15.6 修改密码

选择此菜单可以修改登陆密码，修改密码前机器必须要登陆账号才能修改成功。

15.7 退出

退出平台，并选择下次开机时，机器是否自动登录。

16 系统设置

系统设置菜单栏包括：系统，媒体，设备，网络。点击屏幕选择所需设置的选项类型。

16.1 系统

系统界面如下图所示：



(1) 系统信息

系统信息菜单中包括：系统更新，软件版本号，用户编号，设备号，电池容量，时间，TF 卡可用容量。

(2) 日期与时间设置

输入密码后可更改系统的日期与时间，默认密码：123456。

(3) 语言设置

在菜单中，可选择一种语言作为系统语言。



(4) 休眠设置

自动休眠时间有六种时长可供选择：10s、15s、30s、1min、5min、30min。如果在设定的时间内没对机器做任何操作，显示屏将会自动灭。

(5) 用户号设置

可在该处设置用户编号及设备号。

(6) 密码设置

此处可更改设备登录密码（初始密码 123456）。

(7) 法律信息

16.2 媒体



(1) 亮度

使用此功能，可以根据需要调节显示屏的亮度。屏亮度设置共有五个级别，按“+”或“-”键选择屏亮度，选择完成后点击确认键确定并退出。

(2) 音量设置

使用此功能，你可以设置机器的输出音量。音量设置共有七个级别，按“+”或“-”键选择音量大小，选择完成后点击确认键确定并退出。

16.3 设备

在设备列表中可打开省电保护功能，如下图所示




开启后，设备背光亮度变暗，同时开启飞行模式，从而降低功耗，进入省电模式。

16.4 网络



(1) WIFI 设置

选择WIFI打开，机器会自动搜索并建立WIFI连接，连接成功后，屏幕上会出现“”图样。

(2) 移动数据

可打开移动数据网络漫游功能以及进行相应的设置。

(3) 流量监控

可以查看机器的流量使用情况以及可以对网络进行限制，当后台流量受到限制时，按流量计费的网络会被视为移动网络。在使用此类网络下载大型文件前，会发出警告。

(4) 定位设置

使用该功能，可申请使用位置信息。

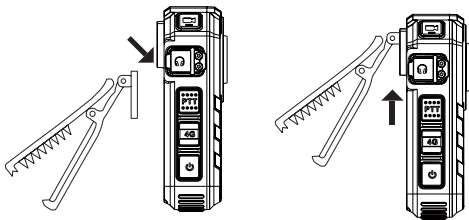
(5) 蓝牙设置

开启蓝牙后，设备可以与附近的蓝牙设备通信。

17 背夹的装取

17.1 安装背夹

背夹与机器的滑槽①对应好，按②的方向装入背夹。如下图所示

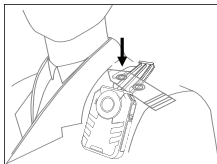


17.2 取下背夹

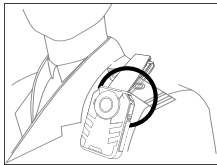
取出背夹时将扣位往上拉，然后按相反的方向并加向上的力拉出。

18 背夹的佩戴方式

- (1) 压住手夹位使夹子口张开，然后朝着肩章夹入，使夹钩钩住肩章的纽扣根部。



- (2) 松开手夹位，使夹子夹住肩章，并使机器调整至合适位置。



19 常见问题

此处列举了常见问题的解答，可帮助解决执法仪出现的简单问题。如果故障仍无法排除，请咨询经销商或访问我们的官方网站：www.philips.com/support

19.1 无法启动执法仪

电池电量已耗尽请及时充电。

19.2 显示时间 / 日期不正确

执法仪时间不准确，请在菜单上重新设置时间。

19.3 拍照 / 录像图像模糊，不清楚

镜头不干净。请用干净的绒布清洁镜头。

19.4 执法仪无法录音或者录像

执法仪存储空间已满并且未开启循环录像。请删除部分文件或将其移至外部存储设备。

19.5 执法仪无法播放录音或者录像

电池电量已耗尽，请充电。

19.6 执法仪死机后如何处理

你有时在操作中会遇到开不了机，黑屏，操作不了等死机现象，通常处理方法是，复位一下，复位键位置：打开耳机防水盖子，耳机孔旁边有一小孔，用镊子或尖的东西点按一下小孔即可。
注：本操作不会造成文件数据丢失或者损坏。

20 技术参数

20.1 存储器

外置存储空间

参考录音时间（64GB）：立体声录音模式约 217 小时

内置存储器类型：C10 TF 卡

20.2 尺寸和重量

宽 × 高 × 深：64×95×27（mm）

重量（含电池）：176g

20.3 系统要求

操作系统：Windows10/8/7/XP

接口：MICRO USB 接口

20.4 录音

立体声：比特率为 1411kbps，格式为 WAV

20.5 运行条件

温度：-30° - 60° C

空气湿度：10% - 90%，不凝结

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I Welcome

Welcome to the World of Philips! We feel delighted that you choose to buy from Philips. You can always visit our website to get all-inclusive technical support from Philips, including User Manual, software download and information on warranty. www.philips.com

1.1 Product Features

- Quick Voice Recording: Simply press the Voice Recording button for the first time to record, and the second time to save recorded clips.
- Quick Video Recording: Simply press the Video Recording button for the first time to record, and the second time to save recorded clips.
- Quick Uploading: Simply press the Quick Uploading button to upload videos.
- Group Voice Chat: Click the Group Voice Chat to enter the group functionality interface, and press the PTT to enter the group chat software log-in interface.
- Long press SOS to enable SOS calls during emergencies.
- 4G Network Start/End button: Long press it to initiate 4G network.
- Use stereo sound technology for voice/video recorder.
- Use smart audio coder/decoder and dual-mic technologies to reduce voice and improve sound quality.
- 160° super-wide angle lens to get a fuller picture.
- Use dual filter switch to prevent color cast during daytime and more clarity during nighttime.
- Precise laser positioning for lens location without seeing the screen.
- 3.5mm standard earphone and clearer sound during noisy environment during replay.
- On-Screen Display function ensures that all videos and photos contain un-editable timing, product serial number and user serial number that ensure legal validity of such evidence.
- Super long file name: All recorded video files contain information such as product serial number, recording time and user serial number, which ensure convenient data storage and retrieval.
- All recorded video files are automatically cut and saved to prevent data loss due to incorrect operation.
- External memory card supports 128G.
- High-definition speaker: Use high-quality vibration speaker to give you a live feel during audio or video play.
- Record audio/video using WAV format.
- Use high-speed USB 2.0 to ensure quick storage of audio/video files.
- Large-volume USB storage device to ensure maximum compatibility.

2 Important Notice

2.1 Safety



Caution

- This icon means that users have to exercise caution when handling or operating the device.



Warning

Special Announcement: Before using the product, please read the Manual carefully. The Company shall not be held liable for any data loss due to incorrect manual operation or force majeure. We specially recommend that users make additional copies of the files in the device.

2.2 Hearing Protection

When using the earphone, please follow the instructions below:

- Adjust to appropriate volume and avoid long-time use of the earphone.

- Special warning: Do not adjust the volume beyond the allowable capacity of your ears.
 - Do not adjust volume to a level higher than the ambient volume.
 - Stop or suspend the use of your earphone in case of dangers.
 - Do not use your earphones when you are driving a car, a bicycle or a skateboard. Otherwise, you will be violating traffic laws and other related laws.
-

2.3 Legal Restriction on Recording

- use of the recording function of this device is subject to the restrictions imposed by national laws. When recording the conversations or courses of others, you should respect the privacy and other rights of such persons.
 - Please note that in some countries, the user must notify the other party when he/she is recording his/her conversations with such other party. Otherwise, such recording activity might be considered as illegal. Please ensure the lawfulness of the recording activity in any applicable jurisdiction.
-

2.4 Background Data

- Upon the activation of the system, the Company provides

a one-year warranty. If you require our services after expiration of the warranty, please call 400-800-7890.

- The background system only keeps audio/video data for only 7 days. Please make backup copies to prevent data loss to which the Company shall not be held liable.



Warning

- This icon warns you about personal injury. In case of inappropriate operation, damage might be caused to your person or device.

2.5 Icons Used



Reminder

- This icon gives you convenient and easy-to-use information on the device.



Notice

- This icon gives you various notices on handling or operation of the device.

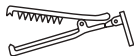
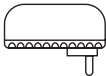
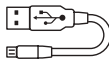
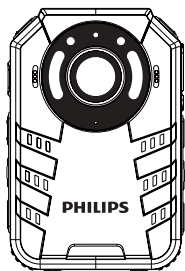


Caution

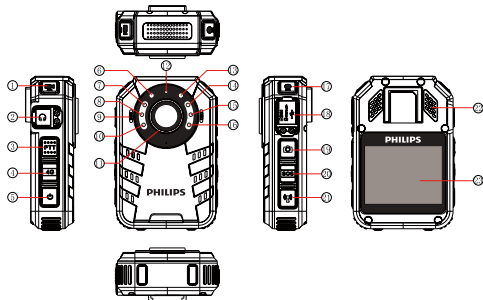
- This icon means warning on potential loss of data or damage to device. In case of inappropriate operation, damage might be caused to the device.

3 Your Audio/Video Recorder

3.1 This device contains the following components



3.2 Overview of Device Main Body



- ① Video Recording Button
- ② Earphone Hole
- ③ PTT Audio Group Chat Button
- ④ 4G Network Initiation/Return Button
- ⑤ ON/OFF
- ⑥ Photoresistor
- ⑦ Laser Light
- ⑧ Infrared Light
- ⑨ Mic
- ⑩ Infrared Light
- ⑪ Camera
- ⑫ 4G Network Indicator Light
- ⑬ Working Indicator
- ⑭ White Light
- ⑮ Infrared Light
- ⑯ Infrared Light
- ⑰ Recording Button
- ⑱ USB/SIM/TF Card Slot
- ⑲ Photo Button
- ⑳ SOS Button/Key File Indicator
- ㉑ Quick Video Uploading
- ㉒ Speaker
- ㉓ Screen

4 Start to Use

4.1 Turn ON/OFF



Notice

- When using the device for the first time, please shut down the device and charge it with original charger for 2 hours!

During shutdown mode, long press Turn ON button, and the device will be turned on, showing the Philips logo, as shown below:

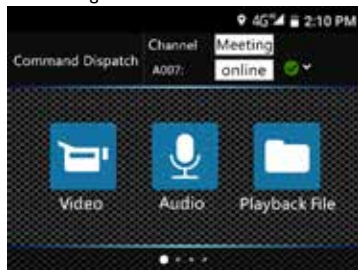


When entering the preview interface as shown below, you will see the indicator show green light. Click "+" or "-" to

zoom in.




Press Return button to return to the Main Interface which shows the following:





Reminder

- The device uses undetachable lithium batteries. If the device is left unused for a long time, please long press “ON/OFF” button to choose from “Shutdown” and “Restart”. When you choose Shutdown, the device will be shut down normally.
- If the record does not work properly, please check if the device is out of power.
- During operation please do not pull out the external memory card. Otherwise, damage might be caused to the files or the device.
- When battery volume shows , please charge your device timely.

4.2 Charging Methods

- (1) Use USB cable to connect the device with PC, the indicator will show green light during charging, which will be extinguished after the device is fully charged.
- (2) Use USB data cable and the connector to charge the device. The device indicator will show green light first, which will be extinguished after the device is fully charged.



Reminder

- The device can be charged either during ON or OFF mode. Normally, during OFF mode charging, it takes around 3 hours for full charging. During ON mode, it takes around 5 hours for full charging (we recommend that you use OFF mode charging).

4.3 Connecting to Computer

The recorder can be used as a large-volume USB storage device, which can be connected to the computer. No software needs to be installed for VTR8400. The recorder will be shown as VTR8400 on the computer.





Reminder

- When importing/exporting the files from or to the device, do not disconnect the recorder from the computer.
- Using USB cable to connect the device to the computer.

5 Video Recording

When you use the recorder for the first time, please pay attention to the requirements in this section!

- (1) During Video Recording mode, click “Video Recording” button to record and the indicator light will show red light.
- (2) Click “+” or “-” on the screen to zoom in. The maximum capacity is 10x.
- (3) Press “” and the laser light will be turned on, to enable laser positioning and determining of the recorded area.
- (4) When recording in dark or dim light, press “” to turn on the illumination light.
- (5) You can switch from Audio Recording to Video Recording while saving the files.
- (6) Click “File Replay Icon” to enter the Replay mode.

The reference video recording interface is shown below:



Recording Interface Illustration



- ① Video Recording Time
- ② WIFI
- ③ 4G Network
- ④ Signal Status
- ⑤ Battery Status
- ⑥ System Time
- ⑦ Recording Resolution
- ⑧ Remaining TF Internal Memory
- ⑨ White Light
- ⑩ Laser Light
- ⑪ Digital Zooming +
- ⑫ Recording Mode
- ⑬ Digital Zooming -
- ⑭ Longitude & Latitude
- ⑮ File Replay
- ⑯ Recording Setting
- ⑰ ID Water-Printing Info



Notice

- When the battery icon is showing empty, it means low on battery. If you are recording, the system will automatically save the recorded files. In case of low battery, please charge your device timely. During low battery, the device gives you “Low Battery” notice as shown below:



Reminder

- Before recording, please adjust the recording parameters first.
- Please delete some unnecessary files first.
- This device contains light-sensitive components. If you open the night-vision, the infrared light will be turned on when the ambient light is too dim.


6 Photo

When you use the device for photo taking for the first time, please read the instructions in this section!

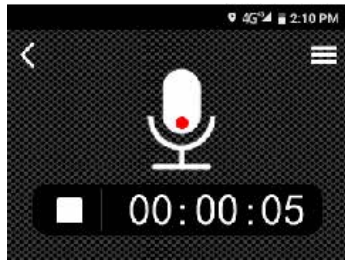
During the video recording mode, press the Photo Taking button and a “ding-ding” sound will occur during photo taking. In dark or dim light, you need to turn on the infrared light for photo taking. During video recording mode, press Photo button to capture a photo.

7 Voice Recording

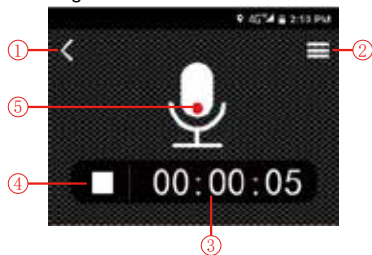
When you use the device for audio recording for the first time, please read the instructions in this section!

- (1) Press “Voice Recording Button” or click the audio recording icon  to start recording. The indicator will show green light during work mode. Please adjust the imbedded mic to the sound source.
- (2) Press “Audio Recording” button or click the pause button to save to save the recorded clips.
- (3) During the Audio Recording mode, press “Video Recording” button to end recording and save recorded audio clips, while shifting to the Video Recording mode. Press “Voice Recording” to end recording and save video clips, while shifting to the Audio Recording mode.

The reference audio recording interface is shown below:



Audio Recording Illustration



- | | |
|--------------------|-------------------|
| ① Return | ② Replay |
| ③ Recording Time | ④ Recording/Pause |
| ⑤ Recording Status | |

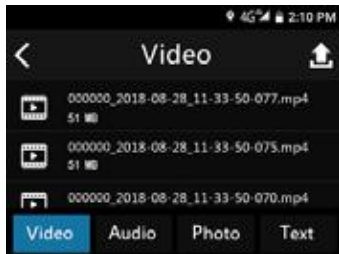


Reminder

- Please delete some unnecessary files before recording.
- Do not pull out the memory card during audio/video recording mode. Otherwise, damage might be caused to the files.
- Do not cut off power during audio/video recording mode. Otherwise, damage might be caused to the recorder and the files might be lost or damaged.
- If you intend to use the device for a long period of time, please charge the device before recording.

8 Video Mode

Click the Replay icon in the main menu or the replay icon during preview mode to enter the video file list as shown below:



Click the file you want to play and click “⏮” or “⏭” to change the file being played. Click the Play button to enter the video playing stop interface as shown below:



Recorded File Playing Illustration



- ① Play Progress Bar
- ② File Name
- ③ Total Time
- ④ Playback Speed
- ⑤ Next File
- ⑥ Play/Pause
- ⑦ Last File
- ⑧ Latitude/longitude
- ⑨ ID Water-Printing Info
- ⑩ Current Play Time

8.1 Video Playing

- (1) Click “◀” or “▶” button during play mode to change the file being played.
- (2) Click Play button on the screen to start playing and the indicator will show green light during working mode.
- (3) During playing mode, click Pause to suspend playing.
- (4) Press Return button to end playing and return to the file menu.
- (5) During playing, click 1X for normal playing speed. You can also choose 1x, 2x, 3x, 4x, 8x, 16x, 32x, and 64x playing speed.
- (6) You can also slide the playing bar to choose the playing point.



Reminder

- When earphone is inserted, the speaker will be shut down.

9 Photo Mode

Click the File Replay icon in the main menu or the file Replay icon under preview mode to enter the photo list as shown below:

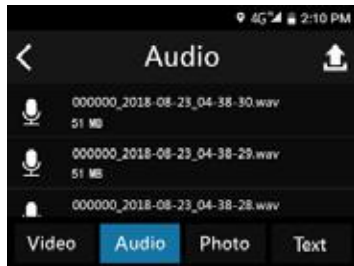
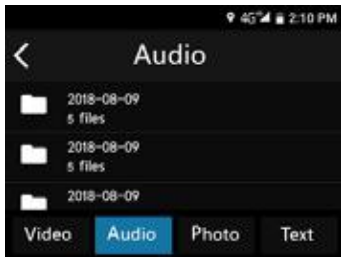


Click the photo for viewing and click “◀” or “▶” for choosing the photos.
Photo Replay Interface



10 Audio Mode

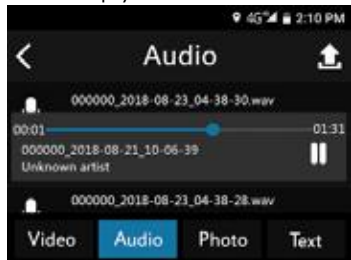
Click the File Replay icon in the main menu or the File Replay icon in the preview mode to enter the audio file list as shown below:



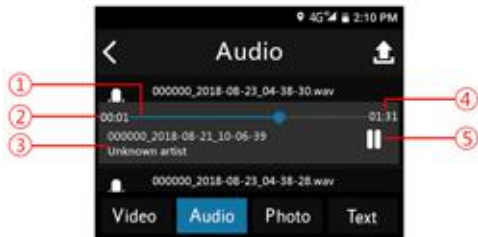
English

Click the file for playing, click Pause to stop playing and press 4G button to return to the playlist.

The reference audio play interface is shown below:



Audio File Playing Interface Illustration:



- ① Play Progress Bar
- ② Current Play Time
- ③ File name
- ④ Total Time
- ⑤ Pause

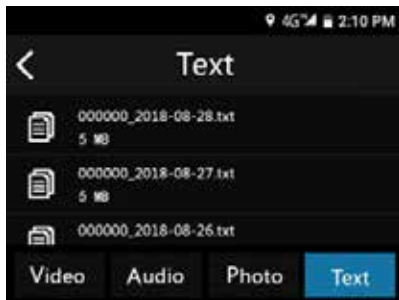


Reminder

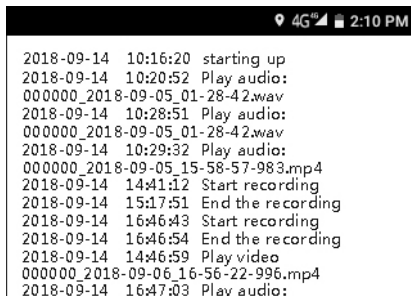
- When the earphone is inserted, the speaker of the device will be shut down.

II Text Mode

Click the File Replay icon in the main menu or the File Replay icon in the preview mode to enter the text file list as shown below:

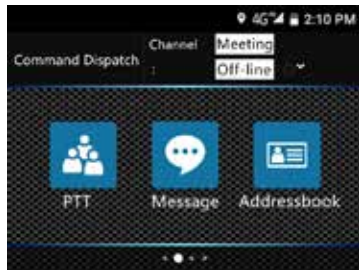



The reference text interface is shown below:

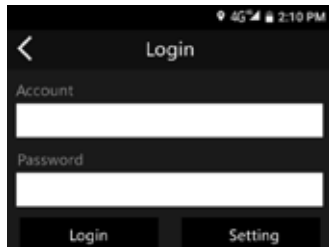


12 Group Chat Function

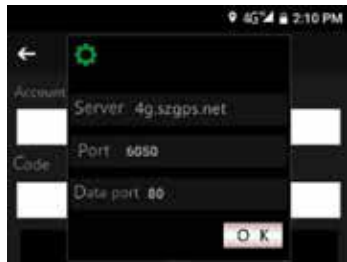
12.1 Login



(1) Click the desk icon  to enter the group chat interface and press PTT button to go to the login page.



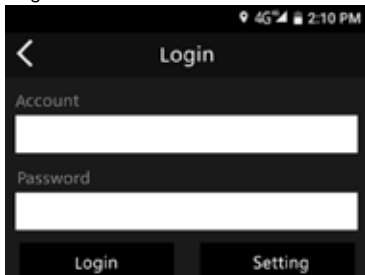
(2) Set the parameters, click Settings and enter relevant information.



- Server: default address: 4g.szgps.net.
- Port: enter the server communication port, default: 6050.

- Data port: enter the data interaction port, default: 80.
- After entering information, click “Confirm”.

(3) User Login



- Enter the account number, default number is the last six digits of the device serial number.
- Enter the password, default password is 123456.
- After entering credentials, click Login.



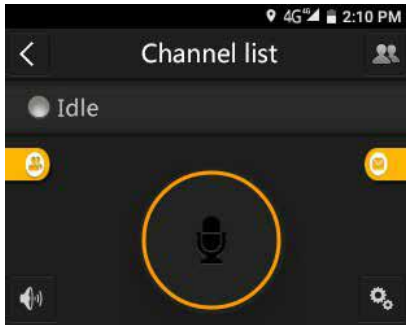
Reminder


- Please ensure normal network connection. If there is network, the prompt “Login Failure” appears.
- To ensure your account security, please change the default password (TBD).

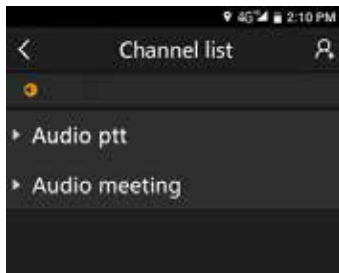
12.2 Group Chat Function


(1) Initiate a Group Chat

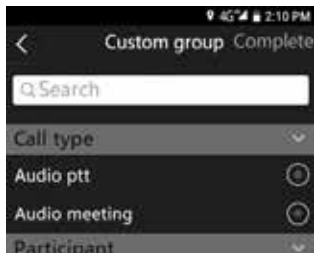
Through the terminal you can initiate a group chat with the steps shown below:



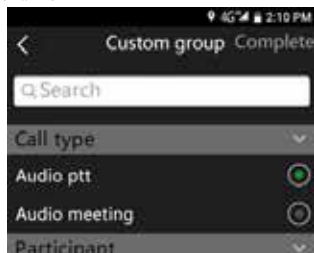
- Click the icon  in the upper right corner and enter the channel list as shown below.



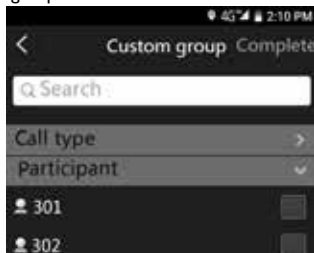
- Click the upper right icon  and enter the group chat initiation interface as shown below:



- Select Channel



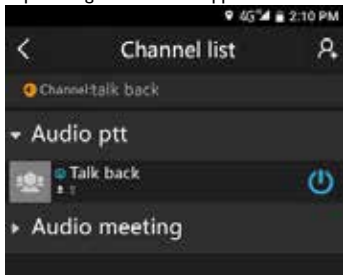
- Choose group members.



- Create a group name.



- After confirming group type and members, click “OK” and the group naming interface will appear as below:

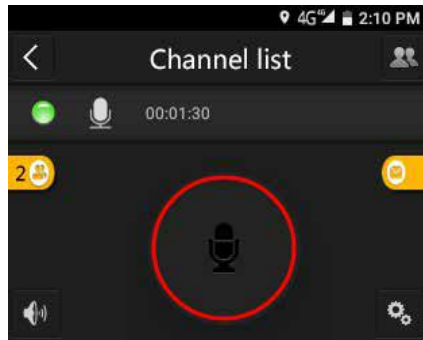


- (2) During talk mode, press the round circle in the middle or

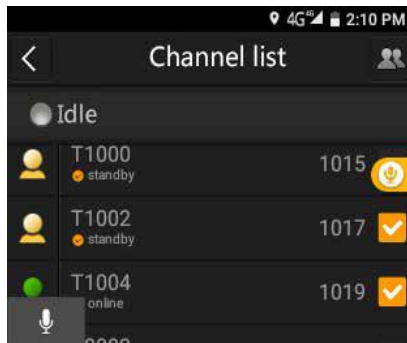
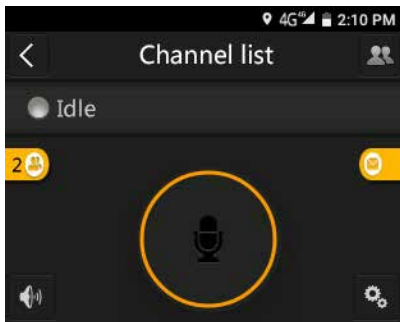
the PTT button on the left side of the recorder to talk to other members.

- The number **20** shows the number of people in the talk mode.
- "Idle" means no one is in talk mode.


English



- (3) To end talk mode, release the round-shaped circle or release the PTT button on the recorder.





(4) Member Status

Click icon  to check the status of group members, in order to initiate voice chat, video chat or text messages.

- ONLINE means the user is in the voice chat group.
- Background Online means the user has logged in but has not entered the voice chat group.
- Click to return to the main interface.

(5) Channel Management

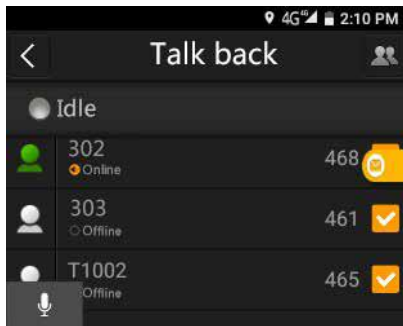
- Click  to enter Channel Management. The users can choose to enter or exit certain channel.
- Click  to exit certain channel.
- Click the name of the channel or long press the channel name to enter such channel.


(6) Dynamic Initiation of Temporary Voice Chat Group

Click some contacts and click to initiate a voice chat. Click

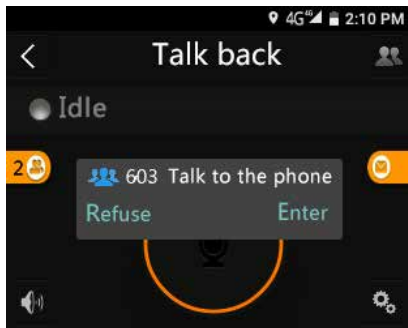
two or more of the contacts in the contacts list or the talking contacts list, click the voice button in the bottom and invite others to enter the voice chat.

Initiate a temporary voice chat in the fixed talk groups:




Select contacts, click  and invite the contacts to enter the temporary voice chat groups.

The invited contacts get incoming calls:

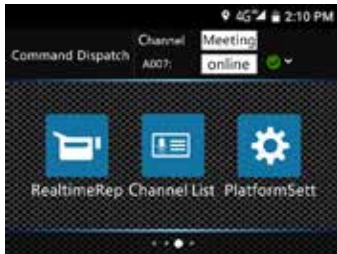


English

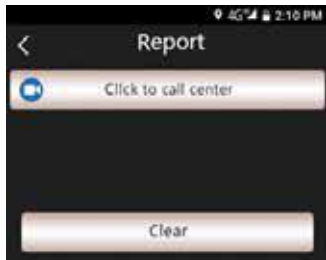
After answering the calls, the interface is shown below. Click  to exit the Temporary Voice Chat Group. After exit, the default group is automatically selected.

12.3 Real-Time Transmission

After login at the device, the field personnel can use this function to transmit real-time image to the command center.



- Click Real-Time Transmission and the interface below appears.

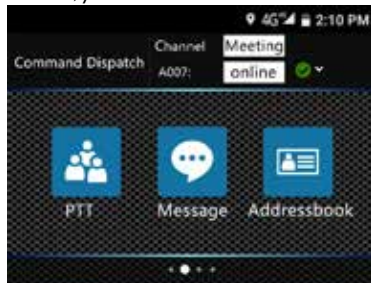


- Click "Click to Call Command Center", select the dispatcher you want to report to at the command

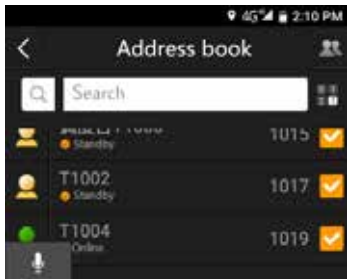
center, initiate a video call and the command center will automatically answers the call.

12.4 Contacts


In the Contacts, you can see all the members.






Click the Contacts icon, and the Contacts interface props up.




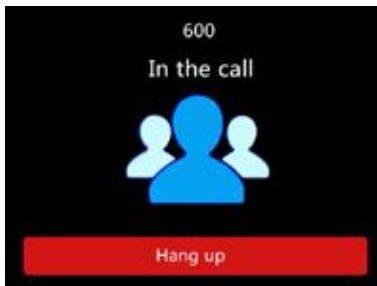
In the Contacts, you can view the basic information and status of the members. You can also initiate a voice call, a video call or a text message with other members to view such member's real-time location.

Click  to enter the dial page as shown below:


Enter the number of the member in the dial page, click  to initiate a voice chat, click  to initiate a video chat and click  to initiate text messages.

(I) Real-Time Dual-Way Voice Chat

Choose the contacts from the Contacts or voice chat group members and click  to initiate a two-way voice chat as shown below:



(2)Real-Time Two-Way Video Chat

Choose one member from the Contacts List or the voice chat group, and click  to initiate a video call. During video call, the camera can be switched. By default the Hands Free mode is initiated for any video call. In case of bad network connection, click "Audio Mode" button to shift from audio to video mode. If network connection becomes normal, you can shift to video call mode. During video call, you can take photos and take snapshots.

12.5 Message Manager

Choose one member from the Contacts List, click the following icon to enter the chat interface. The device supports

audio, text, picture, location and video messages.



To check all multimedia messages, photos and videos, click the third icon in the upper right corner.

I3 GPS Positioning

The device supports GPS function and Beidou dual-mode positioning. The longitude and latitude are shown on the screen to produce a real-time location file. The tracking record can be obtained at the dispatcher. Before use you need to start the GPS function in the menu first.

14 Video Setting

Click the screen setting icon in the preview mode and the system enters video recording setting menu, including segment recording, pre-recording, recording resolution, automatic recording upon start, night vision recording, recycling storage, photo resolution and continuous photos.

14.1 Segment Recording

Choose the segment recording to choose the duration of each video clip. The options include 5, 10 and 30 minutes.

14.2 Video Pre-Recording

Use the video pre-recording function and you can record images dozens of seconds prior to the triggering of events. The settings include shutdown, 10s, 15s, 20s, 30s and 60s. You can slide on the screen to what the option you want.

14.3 Delayed Recording

If you want to use Delayed Recording function, you can press Save button to save the recorded clips and proceed to set the

video recording duration. The options include shutdown, 10s, 15s, 20s, 30s and 60s. You can slide on the screen to what the option you want.

14.4 Recording Resolution

The resolution options include 640×480, 1280×720 and 1920×1080. These options can meet most of your needs under various scenarios. You can slide on the screen to choose the appropriate resolution.

14.5 Automatic Recording upon Start

When the device is turned ON, the system enters automatic recording mode.

14.6 Night Vision Mode

When this mode is turned on, you can manually or automatically enter into Night Vision mode when the light is dim.

14.7 Recycling Storage

When this function is enabled, in case of full storage and if

you want to continue recording, the new recorded clips will cover the existing clips.

14.8 Photo Resolution

The resolution options include low, medium and high, which can meet most of your needs under various scenarios. For the same number of photos, the high resolution photos will take up more internal storage.

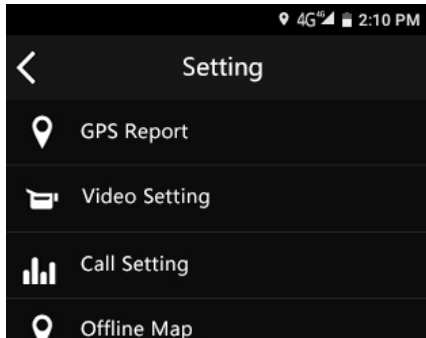
14.9 Continuous Shooting

Continuous shooting means press the photo button to take multiple photos during preview or recording mode. This function includes shutdown, 2-photo, 3-photo and 5-photo options.

15 Platform Setting

Click the screen platform setting icon in the main menu and the system enters the Platform Setting page, including location reporting, video setting, general setting, offline map, SOS, message setting, etc. You can slide the screen to choose what you want and click to enter.

The Platform Setting page is shown below:



15.1 Location Reporting

(1)Reporting Status

Click this option to enter the sub-menu to turn on or off the Location Reporting function.

(2)Positioning Mode

Choose this mode to enter the sub-menu for positioning. This mode has low-energy consumption (only network positioning), high-precision (GPS+ network) and only device GPS options for your selection.

(3)Reporting Frequency

Choose this mode to enter the sub-menu for frequency reporting, which has eight options: 5s, 30s, 1min, 3min, 5min, 10min, 15min and 20min. You can choose the appropriate option according to your need.

15.2 Frequency Setting

(1)Call Resolution

The call resolution has three options for your selection: 320X240, 640X480 and 1280X720.

(2)Frame Rate

There are five frame rate options for you: 7, 10, 15, 20 and 24. The higher the frame rate, the more smooth the video image and the higher the power and data consumption.

(3)Code Rate

The higher the code rate, the better the video quality and the higher the power and data consumption. The user can choose to click the white box to set the code rate according to real uplink broadband and resolution. 300kb is recommended for 320X240; 700kb is recommended for 640X480.

(4)Video Packet Loss Prevention

Click this function when the light goes on. When using public internet you are advised to activate this function. 15% in packet loss ensures smooth image and 30% in packet loss ensures reasonable video quality.

(5)Packet loss redundancy

There are five options for packet loss redundancy. Enter the sub-menu and slide the screen to choose the options you want: 1,2,3,4 and 5. The higher the value is, the stronger the anti-packet loss capability is. However, higher value also means more broadband width. The default value is suggested.

(6)Photo Resolution

Click the function and enter the sub-menu. The higher the resolution the better clarity the image is. The three available options include 1920X1080, 1280X720 and 640X480.

(7)Use USB Camera

Click this function and the video transmission mode will shift to the USB Camera Channel.

15.3 General Setting

(1)Automatic Answering

Whenever there is an incoming call, the device answers automatically.

(2)No Disturbance

All incoming calls will be rejected.

(3)PTT Button

Press PTT button to start PTT voice chat.

(4)Volume Amplifier

Amplifier can increase the speaker volume.

(5)Horizontal Screen

The horizontal screen mode is turned on during video call.

(6)Encrypted Call

You need to re-log in in order to make a call. The data transmission is encrypted to ensure data security.

(7)No Messages Mode

No reminder on messages received.

(8)Full Screen

The Full Screen is chosen to play the video.

(9)Automatic Start

If chosen, automatic start upon the booting of the device.

15.4 SOS Message Setting

You can set the content of the SOS message here.

15.5 Quick SOS

In case of any emergency, you can share your real-time video and location to the command center. The Command Center can view the video and location of the patrol person. The other mobile devices within the same group will also receive the preset text messages regarding this SOS. They can also know the GPS location of the patrol person in danger and come to his/her rescue as per map navigation.

15.6 Changing your password

Select this menu to modify the login password. The device has to be signed in to an account to be successfully modified.

15.7 Exit

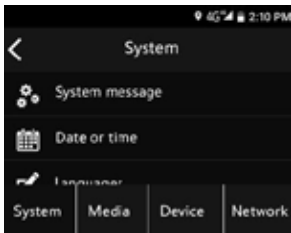
After you exit the Platform, choose whether to automatically log on during next device start.

16 System Setting

The system setting menu includes: system, media, device and network. Click on the screen to choose the option for setting.

16.1 System

The System interface is shown below:



(1) System Information

The system information menu includes: system updates, software version, user number, device number, battery volume, time and TF card available volume.

(2) Date/Time Setting

After entering the password, you can change the system date and time. The default password is 123456.

(3) Language Setting

In the Menu, please choose one language as the system language.



(4) Standby Mode Setting

The standby time options include 10s, 15s, 1min, 5min and 30 min. If no operation is done to the device within the given time, the screen will black out.

(5) User Number Setting

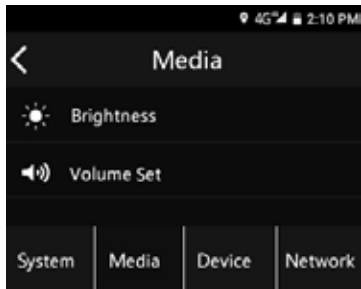
You can set the user number and device number here.

(6) Password setting

You can change the login password here (Default password: 123456).

(7) Legal information

16.2 Media



(1) Brightness

When you want to use this function, you can adjust the brightness of the screen. The setting includes five levels and you can press "+" or "-" to increase or decrease the brightness. After completing the setting, you can confirm and exit.

(2) Volume Setting

When you use this function, you can adjust the volume of the device. The setting includes seven levels and you can press "+" or "-" to increase or decrease the volume. After completing the setting, you can confirm and exit.

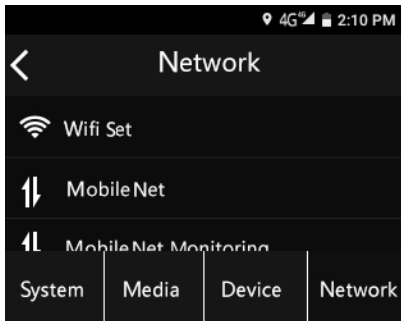
16.3 Device

In the Device menu you can activate the Power saving setting as shown below:




After activation, the brightness of the device will decrease and the Airplane Mode will be turned on to reduce power consumption.

16.4 Network



(1)WIFI Setting

Choose to open WIFI and the device will start automatic search to initiate a WIFI connection. After successful connection, the screen will show the  icon.

(2)Cellular Network

You can choose to activate the cellular network roaming service and conduct relevant settings.

(3)Data Monitoring

You can check the data usage of the device and places restrictions on data use. When the data is limited the device will

shift to the cellular network. Before using cellular network for downloading large-sized files, you will get a warning.

(4)Location Setting

When using this function, you can apply for using the location information.

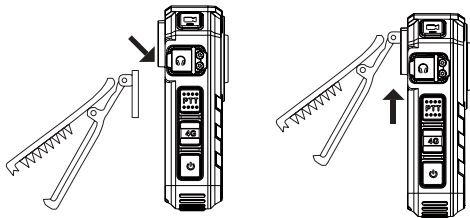
(5)Bluetooth Setting

After you initiated Bluetooth, the device can communicate with the nearby devices with Bluetooth function.

17 Mounting of Shoulder Clip

17.1 Mounting of Shoulder Clip

Adjust the clip and the slot of the device: (1) to make them face each other; (2) to insert the clip according to the arrow below:

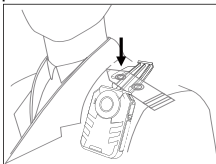


17.2 Dismounting of clip

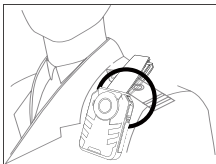
When dismounting the clip, pull the clip upward and drag it out in the opposite direction.

18 Wearing Shoulder Clip

- (1) Press the hand clamp to make it open and insert the shoulder clamp.



- (2) Unleash the hand clamp to clip the shoulder clamp and adjust the device to an appropriate position.



19 FAQ

This section has listed all the frequently asked questions to help you address the simple issues during use of the device. If such issues persist, please consult our dealers or visit our official website: www.philips.com/support.

Failure to start the recorder

The batter has run out and you need to charge your device.

Incorrect time/date

It means inaccurate timing setting. Please reset the time and date in the menu.

Unclear image

Unclean lens has caused it. Please use clean cloth to clean it.

Failure to record audio/video

The internal storage has run out and no recycling shooting

mode has been turned on. Please delete some of the files or transfer such files to external storage device.

Recorder is unable to play audio or video files

The batter is used up, please charge your device.

How to respond to recorder failure

If you are unable to start the device, face black screen and operational failure, the normal technique is to reset: Pull out the clip and there is a small hole in the slot. Use a sharp tool to drill into the small hole.

Note: This operation will not cause data loss or destruction.

20 Technical Parameters

Memory

External Memory

Standard Recording Hours (64GB): 217 hours for stereo sound mode

Type of Internal Storage: C10 TF card

Dimensions & Weight

Width* Height*Depth: 64×95×27 (mm)

Weight (including Battery): 176g

System Requirements

Operating System: Windows 10/8/ 7/XP

Port: MICRO USB Port

Recording

Stereo: bit rate 1411 kbps; WAV format

Operational Conditions

Temperature: -30°–60°C

Humidity: 10%-90%, uncondensed

Warranty card

质保书

1

year warranty

一年质保

Type: VTR8400

Serial nr: _____

Date of purchase

购买日期

Dealer's name, address and signature

销售商名称、地址及签字

www.philips.com/welcome

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