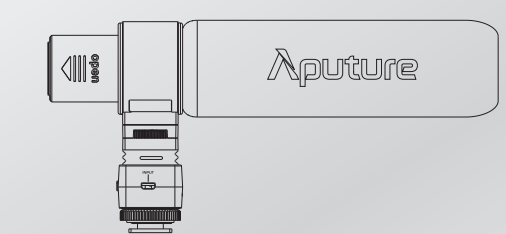


**Aputure**

# V-Mic D2

Sensitivity Adjustable Directional Condenser Shotgun Microphone



**Instruction Manual**

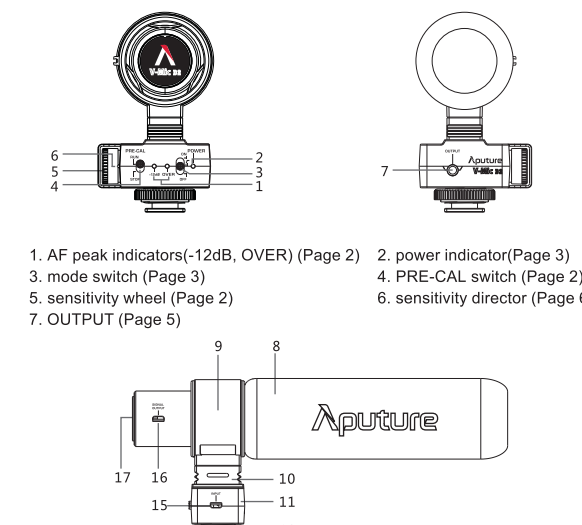
ENGLISH

Detailed instruction manual for the V-Mic D2 can be found on the movie solution page on [www.aputure.com](http://www.aputure.com).

**Tri-isolation system**

Tri-isolation system includes an anti-vibration ring for the mic, an anti-shock mount (Page4,9) and an anti-shock connector (Page4,10). It isolates V-Mic D2 from external physical factors that may cause unwanted rumbles and vibrations in the microphone.

**Product Overviews**



- AF peak indicators(-12dB, OVER) (Page 2)
- power indicator(Page 3)
- mode switch (Page 3)
- PRE-CAL switch (Page 2)
- sensitivity wheel (Page 2)
- sensitivity director (Page 6)
- OUTPUT (Page 5)
- wind screen (Page 3)
- anti-shock mount (Page 4)
- anti-shock connector (Page 4)
- locking wheel
- 1/4 jack
- 1/4 jack
- SIGNAL OUTPUT (Page 5)
- control unit
- cold shoe
- INPUT (Page 5)
- battery compartment (Page 5)

**Foreword**

Thanks for purchasing Aputure V-Mic D2, the perfect on-camera microphone for your video productions, capable of capturing broadcast-quality sound. This microphone will help elevate your DSLR film-making to the next level of production quality.

**Instructions :**

- Read this instruction manual.
- Keep this instruction manual. Always include this instruction manual when passing the products on to the third parties.
- Heed all warnings and follow all instructions in this instruction manual.
- Use only a microfibre cloth for cleaning the product.
- Operate carefully to not cause any damage by dropping it.
- Do not place the product near any heat sources such as radiators, stoves, or other devices (including amplifiers) that produce heat.
- WARNING:** To reduce the risk of fire or electric shock, do not use the product near water and do not expose it to rain or moisture.
- Do not touch the product during recording to not capture the unwanted noise of handling.
- Do not record using the V-Mic D2 when unmounted. It's easy to cause damages on product or your diversely device.
- When storing, keep the microphone in cool and dry place.
- Keep the V-Mic D2's volume at a reasonable, safe level. Rotate the sensitivity wheel to zero and then adjust the audio level of recording device before recording.

**Intended use of V-Mic D2 means:**

- The user has read the instructions of this manual.
- The user is using the products within the operating conditions and limitations described in this instruction manual.
- "improper use" means using the products other than as described in these instructions or under operating conditions which differ from those described herein. Improper use is not within the guarantee range.

Detailed instruction manual for the V-Mic D2 can be found on the movie solution page on [www.aputure.com](http://www.aputure.com).

**Installation and Operation**

Open the battery compartment lid (Page 4, 17) and place the batteries (Page 5, 21) inside as the arrows indicate.

**V-Mic D2 Installation and Operation**

- Connect "SIGNAL OUTPUT" (Page 4,16) with "INPUT" (Page 4, 15) on the V-Mic D2 using the included signal cable(Page 5,19). (The wire is only designed for the V-Mic D2.)
- Optional operation: Put on windshield (Page 5, 18) for better clarity and less unwanted noise.
- Connect "OUTPUT"(Page 4,7) on the V-Mic D2 with your camera or external audio device through the included audio cable (Page 5,20).
- Affix the V-Mic D2 on the hot shoe mount of your camera.
- Turn on both the V-Mic D2 and the camera. Turn the sensitivity wheel (Page 4, 5) on the V-Mic D2 to zero. Switch "PRE-CAL"(Page 4, 4) to "RUN" on the V-Mic D2. The V-Mic D2 will send a beeping signal to the camera so that you can view its audio level on your camera's audio display. Adjust the camera's recording level till the beeping signal peak is at 0dB. Turn "PRE CAL" off on "STOP". Now you can use the V-Mic D2's AF peak indicators (-12dB, OVER) (Page 4,1) to monitor whether the audio you are recording is clipping or not.
- Adjust the V-Mic D2's sensitivity wheel (Page 4,5) so that the audio peak level you are capturing is within the V-Mic D2's AF peak indicators (-12dB, OVER) (Page 4, 1). As you record, you can use the sensitivity wheel to easily change your audio levels and capture a wide range of differently leveled sound.
- If your power indicator (Page 4,2) begins blinking, your battery life is going to be at zero. Please replace both of the batteries (Page 5,21) ASAP.

**Introduction**

Aputure V-Mic D2 is a directional condenser shotgun microphone that features a super-cardioid polar pattern, line gradient acoustics, tri-isolation system, and features that easily filters unwanted background noise, vibrations, and low frequencies. With AF (Audio Frequency) peak indicators, you can sync up your camera's peaking level to the V-Mic D2, and adjust the audio output sensitivity of the V-Mic D2. It also has a low power indicator and is equipped with a cold shoe, making it compatible with most DSLRs and camcorders.

**Main Features**

- Adjustable sensitivity
- Super-cardioid recording pattern
- AF peak indicators(-12dB,over)
- Adjustable AF Peak to synchronize with any device
- Low self-noise
- Low-cut filter
- Power indicator
- Tri-isolation system
- Windscreen and windshield

**Adjustable AF Peak to synchronize with any device**

Turn the sensitivity wheel (Page 4,5) on the V-Mic D2 to zero. Switch "PRE CAL" (Pre-calibration) (Page 4,4) to "RUN". The V-Mic D2 will send a beeping signal to the camera so that you can view its audio level on your camera's audio metering. Adjust the camera's recording level so that the beeping signal peak is at 0dB. Turn "PRE CAL" off on "STOP". Now you can use the V-Mic D2's AF peak indicators (-12dB, OVER)(Page 4, 1) to monitor whether the audio you are recording is clipping or not.

**Adjustable Sensitivity**

Adjust the sensitivity wheel (Page4,5) so that the audio peak level you are capturing is within the AF peak indicators(-12dB, OVER). As you record, you can use the sensitivity wheel to easily change your audio levels and capture a wide range of differently leveled sound.

**Synchronization and sensitivity adjustment**

**Setting up the V-Mic D2 can be different for each device you set it up with. Here is how to set up the V-Mic D2 with a Canon 5D Mark III:**

- Synchronization with Canon 5D Mark III**
  - Connect the V-Mic D2 with the Canon 5D Mark III by audio cable (Page 5, 20).
  - Turn on both the V-Mic D2 and the camera.
  - Adjust the sensitivity wheel (Page 4, 5) of the V-Mic D2 to make the sensitivity director (Page 4,6) point at zero. Both of the AF Peak Indicators (Page 4,1) will blink. Switch "PRE-CAL" (Page 4, 4) of the V-Mic D2 to "RUN".
  - Set "Sound recording" of the 5D Mark III to "Manual". The V-Mic D2 will begin to send a beeping signal to the camera so that you can view its audio level on your camera's audio display. Adjust the camera's recording level till the beeping signal peak is at 0dB.
  - Switch "PRE-CAL" (Page 4,4) on the V-Mic D2 to "STOP". The synchronization Maximum SPL is finished.
- Sensitivity adjustment**

During recording, you can turn the sensitivity wheel (Page 4,5) to adjust audio output level into an appropriate range that is suitable for your sound source by checking the AF Peak indicators (Page 4,1) of the V-Mic D2. The sensitivity director (Page 4,6) is provided to remember your audio output level.

□ Note:

- 12dB (green): distortion will not occur. Recording level is between -12 to -1dB.
- OVER (red): Recording level is more than -1dB. Lower the level to prevent clipping.

**Super-cardioid pattern**

The V-Mic D2 is sensitive to audio direction. It records the audio directly in front of it more than the audio behind it or on its sides.

**Low self-noise**

The V-Mic D2 is exceptionally quiet even when recording at a high sensitivity level.

**Suitable for a dynamic range of sensitivity**

The V-Mic D2 is designed to operate at all various sensitivities. It performs well when capturing frequencies from 20Hz to 20000Hz.

**Low-cut filter**

The V-Mic D2 can filter out background frequencies lower than 100Hz when switching the mode switch (Page4,3) to the stop between "ON" and "OFF". This will turn on the V-Mic's low-cut filter, which will stop the microphone from recording low frequencies, especially noise produced by wind, focusing, operating and traffic.

□ Note: Recording may also be adversely affected by using the low-cut filter, so only use as needed.

**Windscreen and windshield**

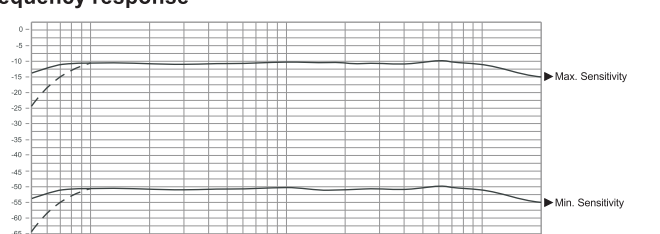
The V-Mic D2 comes with a both a windscreen (Page4,8) and windshield (Page5, 18) to eliminate the noise caused by wind or plosives while still capturing audio.

**Power indicator**

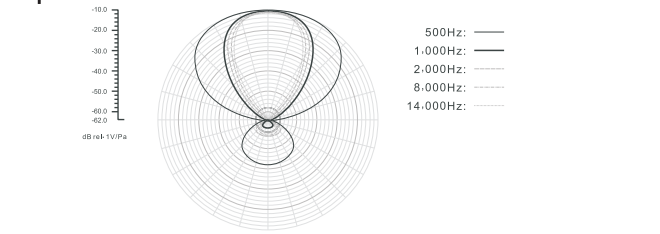
The power indicator (Page4,2) of the V-Mic D2 blinks to warn you when the batteries' life are low.

**Specifications**

**Frequency response**



**Polar pattern**



Transducer Principles	Back Electric Condenser	Dynamic Range	114dB (per IEC60511)
Directional Pattern	Super Cardioid	Maximum SPL	134dB (SPL@1m, 1% THD into 16Ω)
Frequency Range	20Hz~20kHz	THD	±0.5%
Output Impedance	200Ω	LCF	100Hz
Sensitivity	50dB~100dB @ 1kHz	Power	DC3.0V(AAA1, 5Vx2)
Signal Noise	74dB SPL (20mPa, 1% THD into 16Ω)	Dimension	194mmx 44mmx92mm
Battery Life	> 100h	Weight (No Battery)	126g

The instructions and information in this manual are based on thorough, controlled company testing procedures. Further notice will not be given if the design and specifications change. Canon is a trademark or registered trademark of Canon INC in the P.R.C. and other countries. Canon 5D Mark III is registered of Canon INC in the P.R.C. and other countries.

**Aputure**  
爱图仕

# V-Mic D2

可调增益超指向电容麦克风



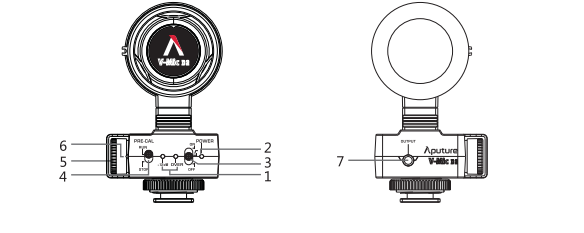
**使用说明书**

中文

**三重防震**

拾音元件防震、防震支架 (第4页, 9) 以及硅胶连接器 (第4页, 10) 为爱图仕 V-Mic D2 麦克风的三重防震设计, 以降低录音机、相机或摄像机的外部操作噪声等。

**三、各部件名称**



- 峰值灯(-12dB, OVER)(第2页)
- 电源指示灯(第3页)
- 工作模式开关(第3页)
- PRE-CAL开关(第2页)
- 增益调节旋钮(第2页)
- 增益指针(第6页)
- 音频输出孔(第5页)
- 防风罩(第3页)
- 防震支架(第4页)
- 硅胶连接器(第4页)
- 冷靴座
- 输入孔(第5页)
- 电池仓(第5页)
- 防风罩(第3页)
- 信号线(第5页)
- 音频线(第5页)
- 电池(第5页)

**四、安装与使用**

**安装电池**

打开电池仓 (第4页, 17), 按电池仓内所标示正负极方向安装电池 (第5页, 21)

**安装与使用麦克风**

- 将信号线一端插入麦克风后方的信号输出接口 (第4页, 16), 另一端插入麦克风风险控制组件 (第4页, 11) 上的输入接口 (第4页, 15)。
- 可选步骤: 推荐在所有环境中均使用防风毛衣, 以得到更完美音质。将防风毛衣 (第5页, 18) 完整装入麦克风并将按钮压紧至安装处。
- 将音频线 (第5页, 20) 一端插入麦克风控制组件 (第4页, 11) 上的音频输出接口 (第4页, 7), 另一端插入录音机、摄像机或单反相机的录音输入接口。
- 将麦克风装入摄像机或单反相机的标准热靴座上, 并固定。
- 打开相机及麦克风, 开始录制。
- 依据峰值灯(-12dB, OVER) (第4页, 1) 的指示调节增益调节旋钮 (第4页, 5) 进行实时调整, 以期获得最佳录音效果。
- 当电源指示灯 (第4页, 2) 闪烁, 说明电池即将耗尽, 需要尽快更换电池 (第5页, 21)。

**前言**

感谢您选购爱图仕V-Mic D2麦克风, 本产品专为摄像、采访等场合设计, 指向性强, 能够实时调整增益, 具有良好的抗噪效果。为您的视频拍摄提供优质的声音输入, 是独立制片人、录音师的最佳选择。

**重要提示**

- 请认真阅读本使用说明书。
- 请妥善保管本使用说明书。将设备交给他人使用时, 请务必附带本使用说明书。
- 请注意所有警告指示并遵守使用说明书内的所有指令。
- 用布清洁设备。
- 本设备属于精密仪器, 请避免使用时掉落、碰撞或承受重击。
- 勿将本设备放置在热源附近, 如散热器、烤箱或其他装置 (包括扩音器) 等。
- 请尽量减少在录制时接触本设备, 以避免录入杂音。
- 请避免用手触摸本设备表面, 麦克风可能会受损或录音机、相机等可能会掉落。
- 本设备应在干燥环境下保存。
- 过大的音量可能会损伤听力, 特别是用头戴式耳机连接相应设备进行监听时, 监听前建议先将本设备增益调至0, 并将监听设备增益由小到大调节至合适的数值。
- 警告:** 不要在雨中或潮湿的环境中使用设备, 否则有短路的风险。

**设备的规范使用**

爱图仕V-Mic D2设备的规范使用包括:

- 仔细阅读本使用说明书, 特别是“重要提示”部分。
- 在本使用说明书规定的工作条件下使用和保存本设备。
- 如不按本使用说明书使用设备, 或不遵守规定的操作或保存条件, 将被视为违规使用, 不列入保修范围。

您可以在本网站 [www.aputure.com](http://www.aputure.com) 中的摄影视频系列产品栏目下找到本设备的详细使用指南。

**一、产品简介**

爱图仕V-Mic D2麦克风是一款超心型指向麦克风, 具有低切功能、低电噪功能, 可根据峰值指示调整增益, 并具有三重防震设计, 适用于各种摄像机、单反相机及收音机等具有录音功能的设备。

**主要特点**

- 连续可调增益
- 超心型指向
- 专业音频峰值指示
- 音频峰值校准功能, 适配各类相机、摄像机、录音机
- 超低底噪
- 低切消噪功能 (低切功能)
- 低电噪功能
- 三重防震结构设计
- 配备防风罩和防风毛衣, 方便各种环境使用

**二、产品主要功能介绍**

**峰值校准与指示**

爱图仕V-Mic D2麦克风在拨动PRE-CAL开关 (Pre-calibration的简称, 第4页, 4) 至RUN时, 可通过调节录音机、相机、摄像机和电影相机的内部增益使录音设备的峰值指示与麦克风的峰值灯 (第4页, 1) 同步, 完成校准。爱图仕V-Mic D2麦克风就能实时指示拾音过程中声音的峰值水平。拾音优质时, 峰值灯-12dB亮绿色; 音量过数时, 峰值灯(OVER)亮红色。

**可调增益**

依据上述峰值灯的显示, 用户可以准确并及时调整爱图仕V-Mic D2麦克风的增益调节旋钮 (第4页, 5), 修正整个录音系统的增益, 从而达到目标声音的最佳动态范围录制和对各种录音状况的从容应对。

**超心型指向**

爱图仕V-Mic D2麦克风的拾音特性为超心型, 对麦克风正前方音频信号辨识度远高于麦克风侧面和后方, 能够清晰地拾取较远距离的对白, 并且能够有效地避免嘈杂的环境噪声。

**超低底噪**

爱图仕V-Mic D2麦克风在正常录音或大增益模式下, 电路自身不会产生或产生极少噪声, 以保证录音效果清晰悦耳。

**平坦的频率响应**

爱图仕V-Mic D2麦克风在各种增益情况下均提供极为优异平坦的频率响应。从20Hz到20000Hz, 对于声音的表现更为真实。

**低切功能**

爱图仕V-Mic D2麦克风在拨动工作模式开关 (第4页, 3) 至“广”时, 会对录制过程中低频的背景声音 (低于100Hz) 进行大幅度衰减。如风声、相机调焦的机械声、远处汽车的发动声音等等。

□ Note: 低切功能有时候可能会破坏录制的内容, 如某些音乐的歌词, 具体情况而定。

**防风罩和防风毛衣**

为防止空气流动时产生的噪音影响录音效果, 我们为爱图仕V-Mic D2麦克风配备专业的防风罩 (第4页, 8), 在户外录制、拍摄时, 配合防风毛衣 (第5页, 18) 使用能极大的降低由风造成的有害噪声。

**低电噪**

爱图仕V-Mic D2麦克风在开机状态下, 电池电量不足时, 电源指示灯 (第4页, 2) 会闪烁。

**五、峰值设置与增益调整**

**不同设备有不同的操作界面和方法, 以下使用Canon 5D Mark III为例进行说明:**

**1.峰值设置**

连接爱图仕V-Mic D2和Canon 5D Mark III。将爱图仕V-Mic D2的PRE-CAL开关 (第4页, 4) 拨至“RUN”位置, 旋转增益调节旋钮 (第4页, 5), 使增益指针 (第4页, 6) 指向“0”, 此时V-Mic D2的峰值灯 (第4页, 1) 开始闪烁。将Canon 5D Mark III “录音”设置到“手动”, 按5D Mark III的按钮调节液晶电平, 使5D Mark III的电平表 ([::::|:::|:::|:::|:::|:::|]) 峰值刚好在0dB位置 (即0dB位置刚好闪烁红色)。将爱图仕V-Mic D2 PRE-CAL开关 (第4页, 4) 拨至“STOP”一端, 完成峰值设置。

**2.增益调整**

录音过程中, 旋转增益调节旋钮 (第4页, 5), 根据峰值灯 (第4页, 1) 的显示调节增益, 增益调节旋钮在增益指针 (第4页, 6) 所指的数字可用于辅助记忆增益水平。

□ Note: 如“[::|:::|:::|:::|:::|:::|]”灯亮起 (表示音量超过-10dB), 应降低、保持并持续即可。如“[::|:::|:::|:::|:::|:::|]”灯亮起 (表示音量超过-10dB), 可能发生失真, 需降低增益。

**六、技术参数**

**频率响应**



**指向性**



单元	背板式驻极体	动态范围	114dB (per IEC60511)
指向性	超心型	最大声压级	134dB (SPL@1m, 1% THD into 16Ω)
频率响应	20Hz~20kHz	总谐波失真	±0.5%
阻抗	200Ω	低切频率	100Hz
灵敏度	-50dB~100dB @ 1kHz	电池/电压	AAA1.5Vx2/DC3.0V
信噪比	74dB SPL (20mPa, 1% THD into 16Ω)	产品尺寸	194mmx 44mmx92mm
电池使用时间	> 100h	重量	126g

此说明书依据本公司严格测试制定, 设计和规格如有变更, 恕不另行通知。Canon 5D Mark III等最佳佳能公司在中国或其他国家的商标及产品型号。

**Aputure** 深圳爱图仕影像器材有限公司

设计项目	027B 麦克风说明书	图号	
尺寸 (mm)	300*280mm, 折页尺寸为100*140 mm	版本	A1版
材质工艺	70g书纸	设计师	宋 曼 玉
		日期	2014年8月5日
备注			