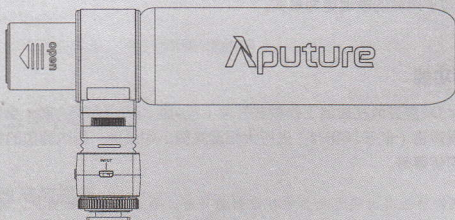


**Aputure®**

# V-Mic D2

Sensitivity Adjustable Directional  
Condenser Shotgun Microphone



## Instruction Manual

ENGLISH

## 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 microfiber 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 diversity 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

### 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).

## 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

1. Adjustable sensitivity
2. Super-cardioid recording pattern
3. AF peak indicators(-12dB,over)
4. Adjustable AF Peak to synchronize with any device
5. Low self-noise
6. Low-cut filter
7. Power indicator
8. Tri-isolation system
9. 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 (Page 4,5) 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.



## **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 both a windscreen (Page4,8) and windshield (Page5, 18) to eliminate the noise caused by wind or plosives while still capturing audio.



## **Power indicator**

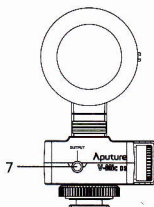
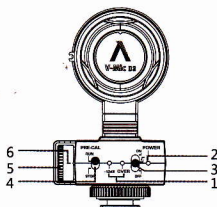
The power indicator (Page4,2) of the V-Mic D2 blinks to warn you when the batteries' life are low.



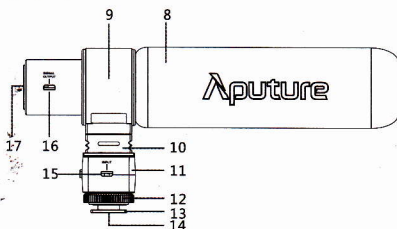
## Tri-isolation system

Tri-isolation system includes an anti-vibration ring for the mic, an anti-shock mount (Page 4,9) and an anti-shock connector (Page 4,10). It isolates V-Mic D2 from external physical factors that may cause unwanted rumbles and vibrations in the microphone.

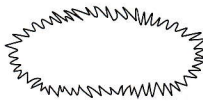
## Product Overviews



- |   |                                  |
|---|----------------------------------|
| 1. AF peak indicators(-12dB, OVER) (Page 2) | 2. power indicator(Page 3)       |
| 3. mode switch (Page 3)                     | 4. PRE-CAL switch (Page 2)       |
| 5. sensitivity wheel (Page 2)               | 6. sensitivity director (Page 6) |
| 7. OUTPUT (Page 5)                          |                                  |



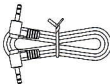
- |                                   |                                  |
|-----------------------------------|----------------------------------|
| 8. wind screen (Page 3)           | 9. anti-shock mount (Page 4)     |
| 10. anti-shock connector (Page 4) | 11. control unit                 |
| 12. locking wheel                 | 13. cold shoe                    |
| 14. 1/4 jack                      | 15. INPUT (Page 5)               |
| 16. SIGNAL OUTPUT (Page 5)        | 17. battery compartment (Page 5) |



18. windshield (Page 3)



19. signal cable (Page 5)



20. audio cable (Page 5)

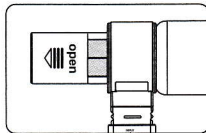


21. batteries (Page 5)

## Installation and Operation

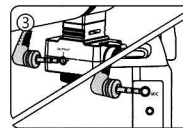
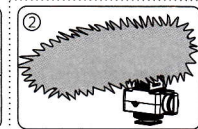
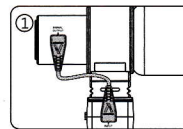
### Battery Installation

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

1. 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.)
2. Optional operation: Put on windshield (Page 5,18) for better clarity and less unwanted noise.
3. 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).
4. Affix the V-Mic D2 on the hot shoe mount of your camera.
5. 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.
6. 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.
7. 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.



## 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:

### 1. Synchronization with Canon 5D Mark III

- 1) Connect the V-Mic D2 with the Canon 5D Mark III by audio cable (Page 5,20 ).
- 2) Turn on both the V-Mic D2 and the camera.
- 3) 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".
- 4) 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.
- 5) Switch "PRE-CAL" (Page 4,4) on the V-Mic D2 to "STOP". The synchronization Maximum SPL is finished.

### 2. 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.

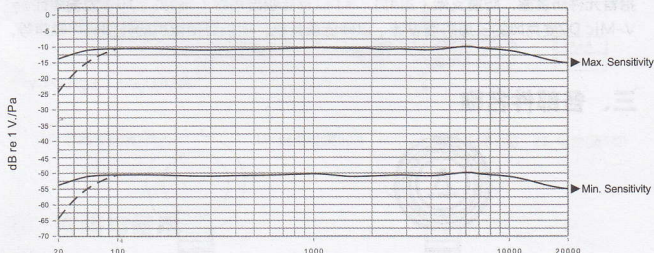
Note:

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

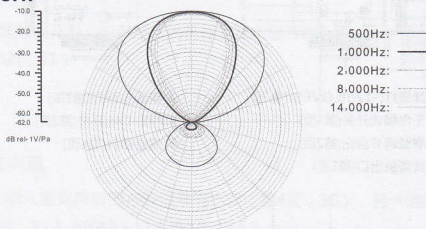


# Specifications

## Frequency response



## Polar pattern



|                       |  |                        |                                    |
|-----------------------|--|------------------------|------------------------------------|
| Transducer Principles | Back Electric Condenser                | Dynamic Range          | 114dB<br>(per IEC651)              |
| Directional Pattern   | Super Cardioid                         | Maximum SPL            | 134dB<br>(@ 1kHz, 1% THD into 1kΩ) |
| Frequency Range       | 20Hz~20kHz                             | THD                    | ≤0.5%                              |
| Output Impedance      | 200Ω                                   | LCF                    | 100Hz                              |
| Sensitivity           | -50dB~-10dB<br>re 1V/Pa @1kHz          | Power                  | DC3. 0V(AAA1. 5Vx2)                |
| Signal/Noise          | 74dB SPL<br>(@1kHz,rel 1Pa per IEC651) | Dimension              | 194mmx 44mmx 92mm                  |
| Battery Life          | > 100h                                 | Weight<br>(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.