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BOYA
PRO AUDIO SERIES



BY-VM190

Camera Mounted Shotgun Microphone

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Instruction Manual

Instruction Manual

We would like to thank you for your trust in us and wish you much fun and success with your new equipment.



- Please read these instructions for use thoroughly before you use this new equipment for the first time. It contains everything you need to know in order to avoid damage to persons or property.
- Strictly follow all notes on safety in these instructions for use.
- Keep these instructions for use in a safe place. If you sell your equipment or pass it on to someone else, you should also pass on these instructions for use.

1. Understanding these instructions for use correctly

1.1 Markings on the device



This symbol indicates, that your device meets the safety requirements of all applicable EU-directives.



Waste disposal and protection of the environment

Electric and electronic appliances as well as batteries must not be disposed of together with domestic waste. The user is legally obliged to return electric and electronic appliances as well as batteries to specially set up public collecting points or the sales outlet once they have reached the end of their service life. Details are regulated by national law. The symbol on the product, the instructions for use or the packaging refers to these provisions. The recycling, the material-sensitive recycling or any other form of recycling of waste equipment/ batteries is an important contribution to the protection of our environment.

1.2 Identifications in these instructions for use

Identification	Meaning
	Draws your attention to the dealing with and the effect of safety information.
WARNING	Draws you attention to a dangerous situation, which can result in severe or even fatal injury, if not avoided.
NOTE	Draws your attention to possible material damage and other important information in connection with your equipment.

2. Important safety information

WARNING

Danger of fire and short-circuit

A short-circuit may, amongst others, be caused by defective cables or by dampness or moisture. In case of a short-circuit the cable wires may heat up to such an extent, that the insulation or even the wires themselves will melt. This may cause fire.

- Do not operate the device with wet hands or feet.
- Clean the equipment only in the way described in the instructions for use.
- Take care to prevent the equipment from dropping down. Make sure that the device is properly fastened and reliably mounted.
If the device has dropped down on the floor have it inspected by a skilled electrician before you switch it on again.

- Should the equipment be damaged or defective, or if you notice a scorching smell:
Interrupt the electric power supply immediately by removing the batteries. Do not operate the device with a damaged housing, do not repair the device yourself. Have the device only repaired by a skilled electrician
- Always keep your device in good condition, as specified in these instructions for use.
- Do not open the device.

⚠ WARNING

Danger of suffocation caused by small parts

Keep the device out of the reach of children and pets.



Precautionary measures when using batteries

Batteries/power packs, if inappropriately handled, can run out or explode. Please observe the following notes on safety when handling batteries to be used in this device:

- Use only batteries mentioned in these operating instructions.
- Do not lay the batteries in a fire and do not expose them to direct heat.
- In order to avoid damage to the product you must make sure that you remove the batteries, if you do not use the product over a longer pe-riod of time or if the batteries have been discharged.
- If battery fluid comes into contact with skin or clothes, rinse it off immediately with fresh water.

3. Unpacking and checking the device

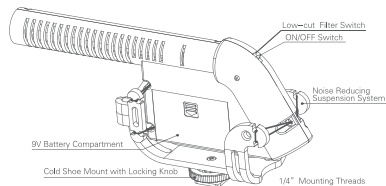
1. Carefully unpack the scope of delivery.
2. Check whether the scope of delivery is complete:
 - Directional microphone
 - Dead Kitten Windscreen
 - Spare Rubber Bands
 - Bag
 - Wind shield
3. Check whether the scope of delivery is free of damage.

⚠ NOTE

If the scope of delivery is incomplete or damaged, please contact sales@boya-mic.com or call our service hotline under the number +86 755 28435910

Within the scope of product improvements we reserve the right for technical and optical changes.

4. Overview of components and control elements of the device



Features

- Broadcast-Quality Condenser Mic
- Super-cardioid Polar Pattern
- Integrated Shock Mount and Foam Windshield
- Two step High Pass Filter (Flat/80Hz)
- 1/4" Threaded Mount
- 3.5mm Output Plug
- Uses 9V Lithium or Alkaline Battery
- Durable ABS Construction
- DeadKitten windscreen included

High Pass Filter/ Low-cut filter

The power/HPF switch lets you turn the mic off, set it for a flat frequency response, or engage the 80Hz high pass filter. The filter minimizes the impact of low frequency hum, camera motor noise, and similar distractions

5. Preparing the devices for use

- Insert a 9V lithium or alkaline battery into the battery compartment. For this purpose slide the battery compartment lid in direction of arrow and lift off the battery compartment lid. Ensure correct polarity when inserting the battery.
- For use on the camera: Slide the microphone with the camera shoe on to the camera and turn the fastening wheel to securely fasten the microphone.
- For use on a tripod: Fasten the microphone with the camera shoe on a stable tripod (1/4 inch thread).
- Connect the 3.5mm microphone connection cable to your camera.

NOTE

Read the operating instructions for your camera concerning possible ways of connecting to the camera.

6. Using the microphone

- Switch on your camera.
- Switch on the microphone. Slide the On/Off switch to On.
- Switch off the microphone. Slide the On/Off switch to Off.
- For the Low-Cut filter (max. setting). Slide the On/Off switch fully up.

7. Troubleshooting

Problem	Possible cause	Remedy
No microphone function	Battery empty or defective	Replace the battery

8. Maintaining the device



Do not bring the device into contact with moisture or water.



Use only detergents listed in the following table

Cleaning

Device	Cleaning
Housing	Remove light and intractable dirt with a dry micro-fibre cloth

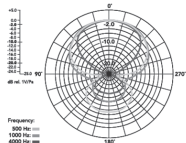
9. Accessories and options

You find optional accessories for your device in our website.

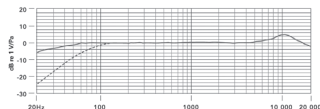
10. Technical specifications

Type	Condenser Microphone(Directional)
Polar Pattern	Super-Cardioid
Frequency Response	40-20,000HZ
Sensitivity	-40dB +/- 1dB / 0dB=1V/Pa, 1kHz
Signal to Noise Ratio	75dB or more
Output Impedance	200Ohm or less
Power	9V lithium or alkaline battery
Plug	Mini-pin plug (3.5mm)
Filter	Controlled by low-cut filter switch
Dimensions(L*H*D)	220mmL × 102mmH × 58mmD
Net Weight	121g

Polar curve



Frequency response



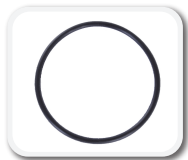
11. Reference to the Declaration of Conformity:

Boya Audio Equipment (Shenzhen) Co.,Ltd. hereby declares that this device is compliant with the general requirements and all other applicable regulations of the directive 2004/108/EC". The Declaration of Conformity is available from the following address: sales@boya-mic.com.

Accessories included:



Dead Kitten Windscreen



Spare Rubber Bands



Bag



Wind shield