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hayden BK-105

hayden BK-105 Dynamic Vocal Microphone Instruction Manual

Model: BK-105



1. PRODUCT OVERVIEW

The hayden BK-105 is a high-quality dynamic vocal microphone designed for clear sound reproduction in various applications such as karaoke, singing, speeches, and recording. It features a durable metal construction and a unidirectional (cardioid) pickup pattern to focus on the sound source while minimizing background noise.

1.1 Package Contents

Verify that all items listed below are included in your package:

- hayden BK-105 Dynamic Vocal Microphone
- 5-meter XLR to 6.35mm Cable
- Instruction Manual



Contents of the hayden BK-105 microphone package, including the microphone, XLR cable, and user manual.

2. SPECIFICATIONS

Model	BK-105
Microphone Type	Dynamic
Polar Pattern	Unidirectional (Cardioid)
Frequency Response	40Hz ~ 16KHz
Sensitivity	-52 ± 3dB
Impedance	600 Ω ± 30%
Output Connector	3-pin XLR (Male)
Cable Length	5 meters
Material	Metal
Item Weight	750 grams
Dimensions (L x W x H)	12 x 8 x 6 Centimeters
Power Source	Wired (Plug-In Power)
Compatible Devices	Amplifier, Karaoke Machine, Speaker

3. SETUP

3.1 Connecting the Microphone Cable

1. Insert the XLR connector end of the microphone cable into the microphone's input port.
2. If necessary, rotate the connector to align the key on the cable connector with the groove in the microphone's input port.
3. Push the connector firmly into the microphone until it clicks into place, ensuring a secure connection.
4. Connect the 6.35mm (1/4 inch) jack end of the cable to the microphone input of your amplifier, karaoke machine, or speaker.

Professional Wired Microphone



6.35mm-XLR connector



zinc alloy



anti-fall mesh net



no noise



magnetic switch



good compatibility



high sensitivity cartridge



fidelity sound



5 m cable



The 5-meter XLR cable included with the hayden BK-105 microphone, ready for plug-and-play use.

3.2 Disconnecting the Microphone Cable

To disconnect the cable from the microphone, grasp the connector firmly while depressing the release tab. Pull the connector straight away from the microphone.

4. OPERATING INSTRUCTIONS

4.1 Microphone Placement

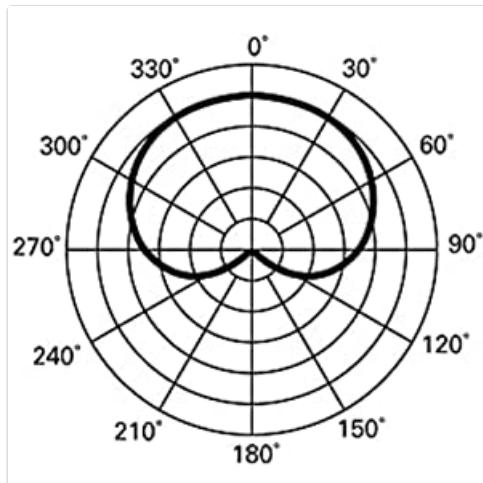
- For optimal sound quality and to minimize feedback, aim the microphone directly towards the desired sound source (e.g., your mouth) and away from unwanted sound sources or speakers.
- Avoid covering any part of the microphone grille with your hand. Covering the grille can alter the sound characteristics and polar pattern, increasing the likelihood of feedback.



Close-up of the microphone head, highlighting the metal mesh grille.

4.2 Unidirectional (Cardioid) Pickup Pattern

The BK-105 features a cardioid pickup pattern, which means it is most sensitive to sounds coming from directly in front of it and least sensitive to sounds from the rear. This design helps to isolate the main sound source and reduce the pickup of unwanted ambient noise.



A polar pattern diagram illustrating the unidirectional (cardioid) pickup pattern of the microphone, showing its sensitivity to sound from the front.

4.3 Noise Reduction

The microphone incorporates smart noise reduction technology to help filter out unwanted background noise, ensuring your voice remains clear and crisp.

5. MAINTENANCE

5.1 Cleaning the Grille

It is important to keep foreign particles out of the grille and windscreens as they can affect the microphone's frequency response. The grille should be periodically cleaned using warm, soapy water. Rinse thoroughly with plain water and allow it to dry completely before reattaching it to the microphone.

5.2 General Care

- Due to the high sensitivity of the cartridge, avoid dropping the microphone from a height or subjecting it to strong impacts.

- To maintain sensitivity and sound quality, avoid exposing the microphone to excessive moisture or extreme temperatures.

6. TROUBLESHOOTING

6.1 Preventing Howling Sound (Feedback)

If a howling sound is generated, typically when the microphone head is covered by hand or brought too close to a speaker, follow these steps:

1. First, decrease the volume on your connected audio device (amplifier, speaker, etc.).
2. Reposition the microphone so that it is not pointed directly at any speakers.
3. Ensure there is a sufficient distance between the microphone and the speakers.

6.2 No Sound Output

- Check all cable connections to ensure they are secure and fully inserted.
- Verify that the microphone's ON/OFF switch (if present) is in the 'ON' position.
- Ensure the volume on your connected audio device is turned up and not muted.
- Test the microphone with another compatible audio device or cable if possible, to rule out component failure.

7. SUPPORT INFORMATION

For technical assistance or inquiries, please contact the manufacturer or importer:

- **Manufacturer:** SPECTRUM AND CO. NEW DELHI - 9212347774
- **Importer:** HAYDEN AUDIO NEW DELHI 92123-47774