

# MICROMIC

THE ORIGINAL

# C 555 L



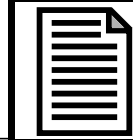


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# 1 Precaution/Description



Please make sure that the piece of equipment your microphone will be connected to fulfills the safety regulations in force in your country and is fitted with a ground lead.

## 1.1 Precaution

## 1.2 Packing List

|   |   |   |
|---|---|---|
|  |  |  |
| <b>1 x C 555 L</b>  | <b>1 x W 444</b>  | <b>1 moisture shield</b>  |

Check that the packaging contains all of the components listed above. Should anything be missing, please contact your AKG dealer.

## 1.3 Optional Accessories

## 1.4 Brief Description

- B 29 L battery power supply
- For more accessories visit [www.ake.com](http://www.ake.com) or refer to the latest MicroMic brochure.

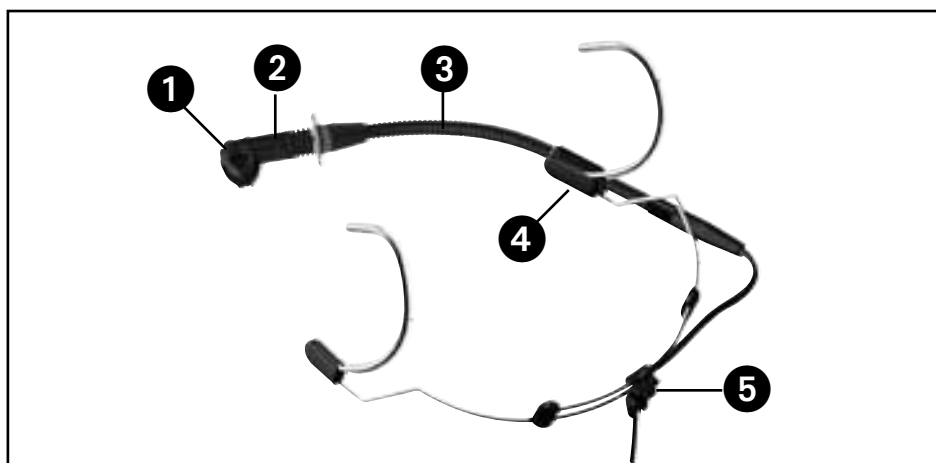


Fig. 1: C 555 L microphone.

- 1** Cardioid microphone for high gain before feedback. Frequency response tailored to vocal use and flute miking.
- 2** Shock mount reduces handling and cable noise.

Refer to fig. 1.



# 1 Description

Refer to fig. 1 on page 13.

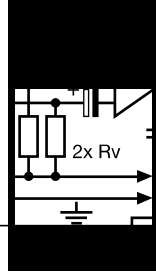
- 3 Adjustable, detachable 5-inch (125-mm) gooseneck for precise microphone positioning.
  - 4 Removable microphone arm holder for placing the microphone to the left or right of your mouth.
  - 5 Microphone cable strain relief.
- For 9 to 52 V universal phantom power.
  - 10-ft. (3-m) plug-in connecting cable with phantom power adapter with integrated 3-pin XLR connector and switchable bass rolloff (6) (-4 dB at 100 Hz).

## 1.5 Moisture Shield



A special moisture shield on the microphone capsule makes it difficult for moisture and makeup to penetrate into the microphone. This barrier prevents the microphone sound entries from being clogged by perspiration or makeup which would make the sound dull and reduce the sensitivity of the microphone. Therefore, never remove the moisture shield from the microphone!

## 2 Interfacing



The C 555 L is a condenser microphone and therefore needs a power supply.

**Using any power supply other than those recommended by AKG may damage your microphone and will void the warranty.**

1. Plug the mini XLR connector on the microphone cable all the way into one of the two mini XLR sockets on the B 29 L, the mini XLR socket on the connecting cable of the MPA V L, or the input jack on your bodypack transmitter. The connector will lock automatically.

  - To disconnect the cable, press the unlocking button on the mini XLR connector (1) and pull the connector (1) out of the socket.

**• To avoid damaging the cable, never pull at the cable itself!**

2. **B 29 L:** Connect the B 29 L to the desired input.  
**MPA V L:** Connect the MPA V L to a balanced XLR microphone input with phantom power and switch the phantom power on.

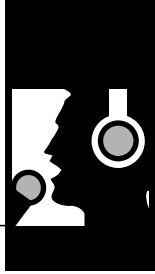
### 2.1 Introduction

 **Important!**

### 2.2 Connecting the Microphone

**Disconnecting the cable:**

 **Important!**



## 3 Using Your Microphone

### 3.1 Mounting the Microphone Arm on the Left or Right

As delivered, the microphone arm is fitted on the right side of the behind-the-neck headband. To mount the microphone arm on the left side of the headband:

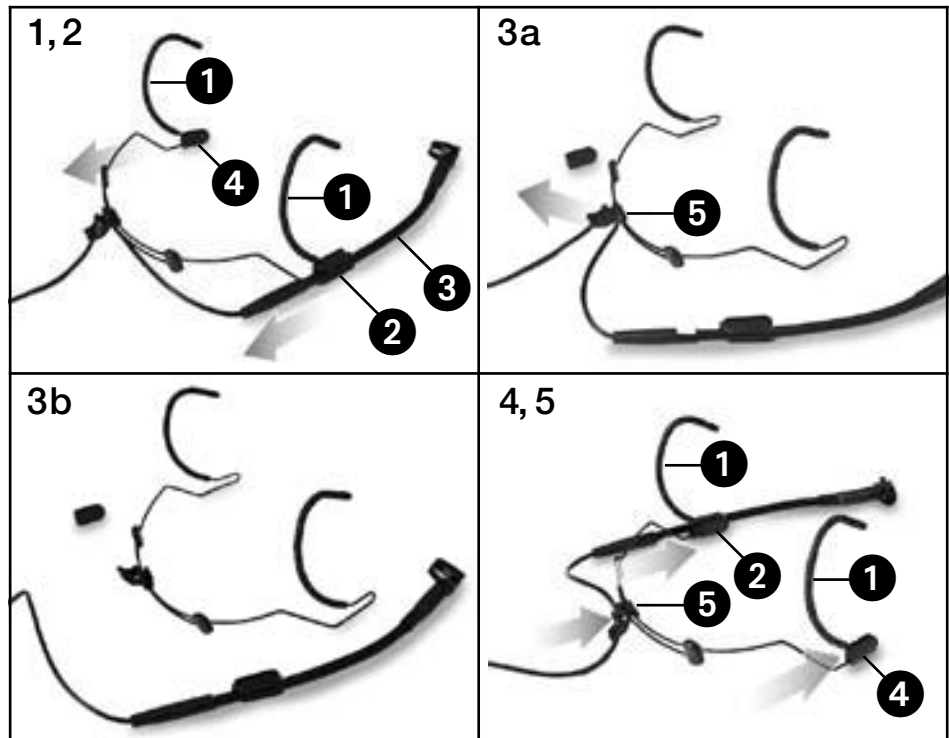


Fig. 2: Removing the microphone arm.

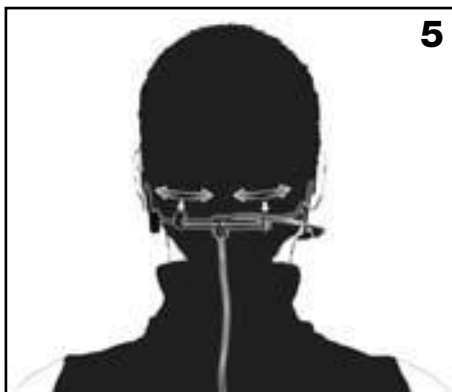
Refer to fig. 2.

1. Pull the microphone arm holder (2) with the microphone arm (3) from the temple piece (1) in the direction of the arrow.
2. Remove the cover (4) from the other temple piece.
3. Remove the cable from the cable holder (5).
4. Insert the microphone arm holder (2) and the cover (4) all the way into the respective wire loop below the opposite temple piece (1). (The cover (4) stabilizes the temple piece and prevents your hair from getting caught in the wire loop.)
5. Press the cable back into the cable holder (5).

## 3 Using Your Microphone



### 3.1 Putting the Microphone on



1. Put the behind-the-neck headband on as shown in figs. 3 through 5.

Figs. 3 to 5: Putting on and tightening the headband.

2. Should the microphone fit loosely, you may bend the behind-the-neck headband and the temple pieces inward:

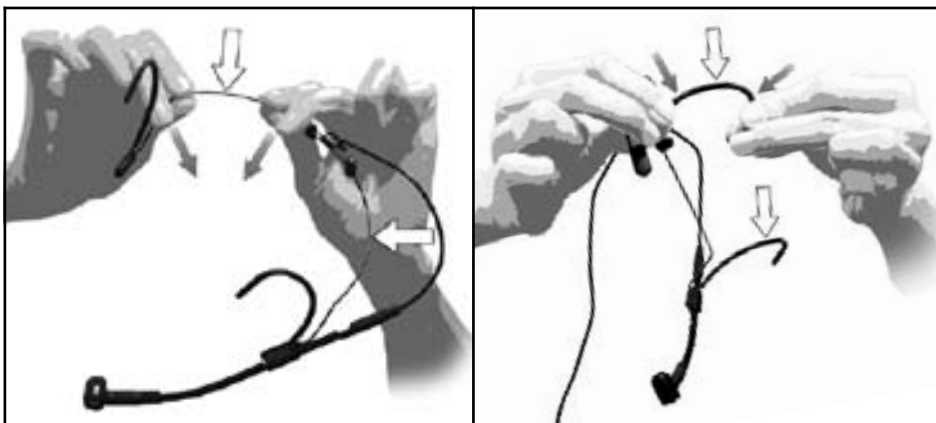


Fig. 6: Bending the headband and temple pieces to fit.

- Hold the headband or temple piece firmly at the points marked in fig. 6 and bend inward **with extreme care**.
- Check whether the microphone fits better. If it does not, bend the wire some more, again **with extreme care**.

Refer to fig. 6.



## 3 Using Your Microphone

### Note:

- Both the headband and temple pieces are made of spring steel wire. If you bend the wire too hard it may be extremely difficult to bend the wire back to the desired shape.

### 3.3 Aligning the Microphone



Fig. 7: Adjusting the gooseneck.

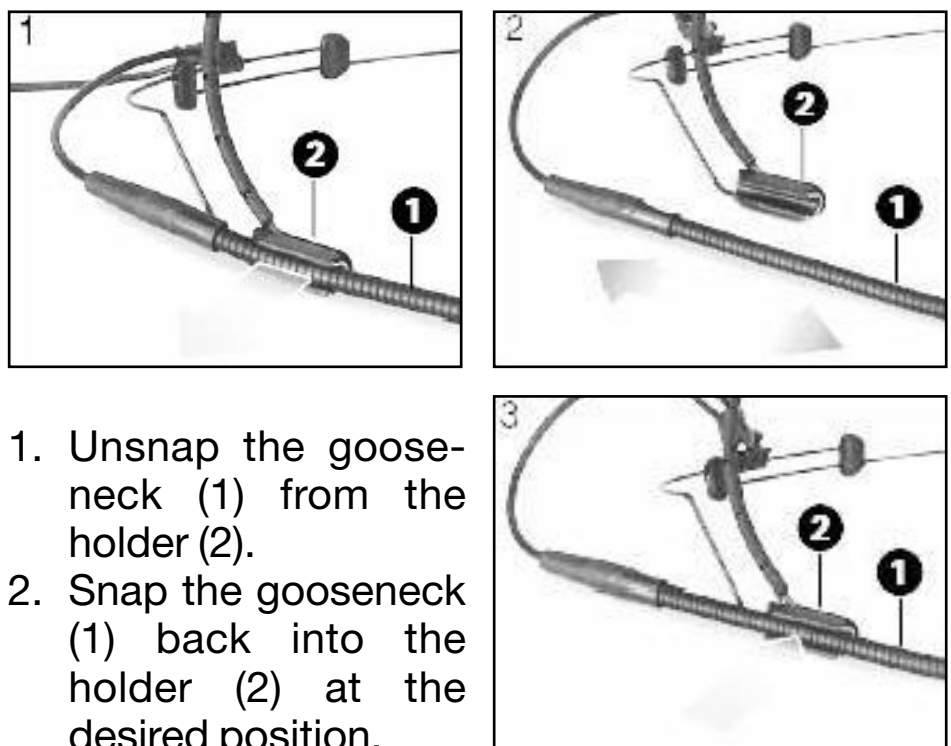
Refer to fig. 7.

- Adjust the gooseneck so as to point the microphone at the corner of your mouth.

### 3.4 Adjusting the Microphone Arm

Fig. 8: Adjusting the microphone arm.

Refer to fig. 8.



1. Unsnap the gooseneck (1) from the holder (2).
2. Snap the gooseneck (1) back into the holder (2) at the desired position.



## 3 Using Your Microphone



- **Never try to shift the gooseneck inside the holder. This would damage the gooseneck and/or holder.**



### 3.5 Replacing the Moisture Shield

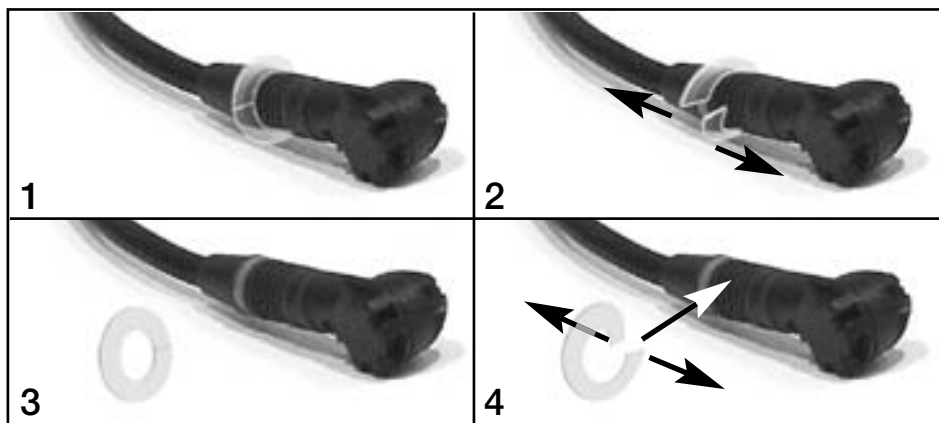


Fig. 9: Replacing the moisture shield.

- If the moisture shield gets damaged, replace it with the supplied extra moisture shield as shown above.

Refer to fig. 9.

## 4 Cleaning



- To clean the microphone surface, use a soft cloth moistened with water.
- Clean the foam windscreen in mild soap suds. You can use the windscreen again as soon as it has dried.

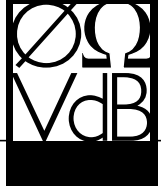
### 4.1 Microphone Surface

### 4.2 Windscreen



## 5 Troubleshooting

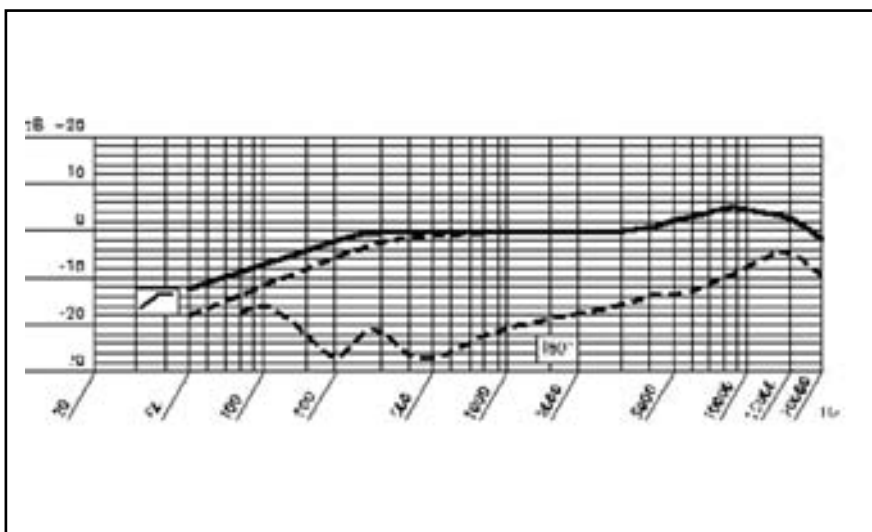
| Problem  | Possible Cause   | Remedy  |
|--|--|---|
| No sound:  | <ol style="list-style-type: none"> <li>1. Power to mixer and/or amplifier is off.</li> <li>2. Channel or master fader on mixer, or volume control on amplifier is at zero.</li> <li>3. Microphone is not connected to mixer or amplifier.</li> <li>4. Cable connectors are seated loosely.</li> <li>5. Cable is defective.</li> <li>6. No supply voltage.</li> </ol> | <ol style="list-style-type: none"> <li>1. Switch power to mixer or amplifier on.</li> <li>2. Set channel or master fader on mixer or volume control on amplifier to desired level.</li> <li>3. Connect microphone to mixer or amplifier.</li> <li>4. Check cable connectors for secure seat.</li> <li>5. Check cable and replace if damaged.</li> <li>6. Switch phantom power on.<br/>Phantom power supply: connect to power outlet or insert battery (batteries).<br/>Check cable and replace if necessary.</li> </ol> |
|  | <p>control on the<br/>too high.<br/>out sensitivity<br/>too high.</p>  | <ol style="list-style-type: none"> <li>1. Turn gain control down CCW.</li> <li>2. Connect a 10-dB preattenuation pad between microphone cable and input.</li> </ol>   |
| <p>Also read the transmitter and receiver manuals!</p> |  |   |



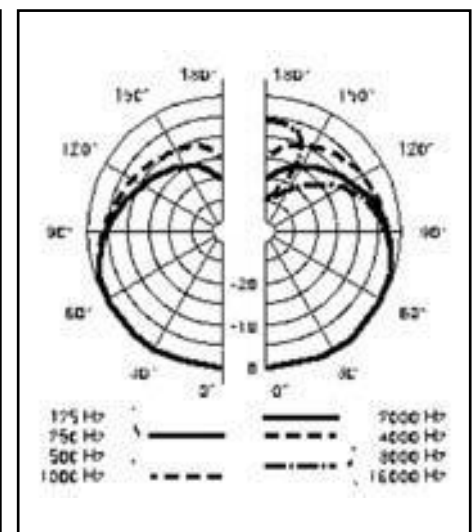
|                                  |   |
|----------------------------------|---|
| Type:                            | pre-polarized condenser microphone  |
| Polar pattern:                   | cardioid  |
| Frequency range:                 | 80 Hz to 20,000 Hz  |
| Sensitivity:                     | 35 mV/Pa (-46 dBV re 1 V/Pa)  |
| Electrical Impedance at 1000 Hz: | ≤ 200 ohms  |
| Recommended load impedance:      | ≥ 2000 ohms   |
| Max. SPL for 1% / 3% THD:        | 126 dB / 130 dB   |
| Equivalent noise level:          | 22 dB(A) to IEC 60268-4   |
| Supply voltage:                  | B 29 L battery supply, MPA V L phantom power adapter, or AKG WMS bodypack transmitter |
| Current consumption:             | approx. 2 mA  |
| Cable length/Connector:          | 1.5 m (5 ft.) / 3-pin mini XLR  |
| Finish:                          | matte black   |
| Size (microphone only):          | length: 195 mm (7.7 in.);<br>max. dia.: 134 mm (5.3 in.)                              |
| Net weight (microphone l/cable): | 26 g (0.9 oz.)  |
| Shipping weight:                 | 260 g (9.2 oz.)   |

This product conforms to the standards listed in the Declaration of Conformity. To order a free copy of the Declaration of Conformity, visit <http://www.akg.com> or contact [sales@akg.com](mailto:sales@akg.com).

## Frequency Response



## Polar Diagram



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