

# MICROMIC

THE ORIGINAL

C 518 M  
C 518 ML



<b>BEDIENUNGSANLEITUNG</b> .....	S. 2
Bitte vor Inbetriebnahme des Gerätes lesen!	
<b>USER INSTRUCTIONS</b> .....	p. 12
Please read the manual before using the equipment!	
<b>MODE D'EMPLOI</b> .....	p. 22
Veuillez lire cette notice avant d'utiliser le système!	
<b>ISTRUZIONI PER L'USO</b> .....	p. 32
Prima di utilizzare l'apparecchio, leggere il manuale!	
<b>MODO DE EMPLEO</b> .....	p. 42
¡Sirvase leer el manual antes de utilizar el equipo!	
<b>INSTRUÇÕES DE USO</b> .....	S. 52
Favor leia este manual antes de usar o equipamento!	





## Table of Contents

Page

<b>1 Precaution/Description</b> .....	13
1.1 Precaution .....	13
1.2 Unpacking .....	13
1.3 Optional Accessories .....	13
1.4 Brief Description .....	13
1.5 C 518 M .....	14
1.6 C 518 ML .....	14
<b>2 Interfacing</b> .....	15
2.1 Introduction .....	15
2.2 C 518 M .....	15
2.3 C 518 ML .....	15
2.3.1 B 29 L or MPA V L .....	15
2.3.2 Connecting to a Bodypack Transmitter .....	16
<b>3 Using Your Microphone</b> .....	18
3.1 Mounting the Microphone .....	18
3.2 Aligning the Microphone .....	18
3.3 More Hints .....	18
<b>4 Cleaning</b> .....	19
<b>5 Troubleshooting</b> .....	20
<b>6 Specifications</b> .....	21






## 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 Unpacking

		
<b>1 x C 518</b>	<b>1 x W 44</b>	<b>1 x stabilizer knee</b>
		
1 x mini XLR to standard XLR connecting cable (10 ft./3 m)	1 x mini XLR to mini XLR connecting cable (5 ft./1.5 m)	1 x A 400 adapter for PT 400 or PT 400 body-pack transmitter
C 518 M only	C 518 ML only	


1 carrying bag
C 518 M & ML

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

### 1.3 Optional Accessories

- Visit [www.ake.com](http://www.ake.com) or refer to the latest MicroMic brochure.
- C 518 ML: B 29 L battery power supply

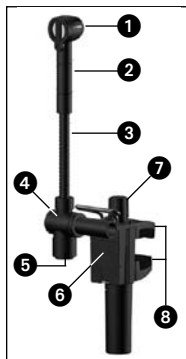
### 1.4 Brief Description

Refer to fig. 1 on page 14.

- 1 Cardioid microphone for high gain before feedback. Frequency response tailored to drum miking.
- 2 Shock mount reduces handling and cable noise.
- 3 50-mm (2-in.) gooseneck for accurate microphone alignment.
- 4 Swivel joint (135°).



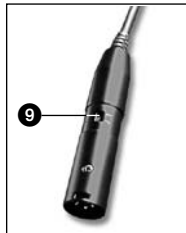
## 1 Description



- 5 Mini XLR output socket for connecting cable.
- 6 Mounting plate for the A 400 adapter allowing you to attach a PT 40 or PT 400 bodypack transmitter.
- 7 Knurled-head screw for opening and tightening the clamp jaws (8).
- 8 Clamp jaws for fixing the microphone on the top hoop.

Fig. 1: C 518 M/C 518 ML microphone

### 1.5 C 518 M



- 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 (9) (-4 dB at 100 Hz).

Fig. 1a: Phantom power adapter with bass rolloff switch (9).

### 1.6 C 518 ML

- For use with the B 29 L battery power supply, MPA V L phantom power adapter, or PT 40 or PT 400 transmitters.
- 5-ft. (1.5-m) plug-in connecting cable with 3-pin mini XLR connectors.
- A 400 adapter for attaching a PT 40 or PT 400 bodypack transmitter.

## 2 Interfacing



The C 518 M/C 518 ML is a condenser microphone and therefore needs a power supply.

### 2.1 Introduction

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

**Important!**

1. Use the supplied connecting cable to connect the output socket (5) on the gooseneck to a balanced XLR microphone input with phantom power.
2. Switch the phantom power on. (Refer to the instruction manual of the unit to which you connected your microphone.)

**2.2 C 518 M**  
Refer to fig. 1.

1. Use the supplied connecting cable to connect the output socket (4) on the gooseneck to one of the two mini XLR sockets on the B 29 L or the mini XLR socket on the connecting cable of the MPA V L.

**2.3 C 518 ML**  
**2.3.1 B 29 L**  
**or MPA V L**

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.

**Disconnecting the cable:**

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

**Important!**

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 Interfacing

### 2.3.2 Connecting to a Bodypack Transmitter

- Use the supplied connecting cable to connect the output socket on the gooseneck to the input socket on the bodypack transmitter.

**Note:**

- You can attach the bodypack transmitter to your belt or to the instrument. The PT 40 and PT 400 bodypack transmitters will also mount directly on the microphone (see below).

#### Attaching the Bodypack Transmitter to the Microphone:

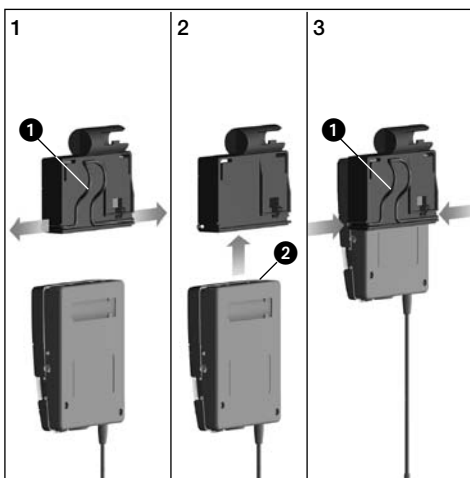


Fig. 2: Inserting the transmitter into the adapter.

Refer to fig. 2.

1. Pull the ends of the fixing clip (1) out of the adapter.
2. Slide the transmitter (2) all the way into the adapter.
3. Reinsert the ends of the fixing clip (1) into the openings in the adapter. The ends of the fixing clip engage the locating holes in the transmitter case to hold the transmitter in place.

## 2 Interfacing

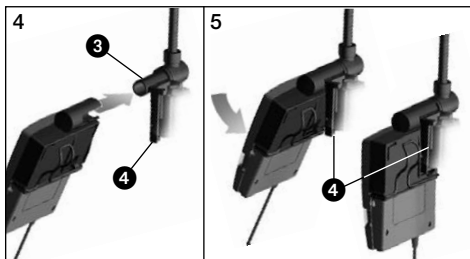


Fig. 3: Mounting the adapter and transmitter on the microphone.

4. Slide the adapter with the transmitter on the shaft (3) on the mounting plate (4).
5. Press the adapter against the mounting plate (4). The adapter will lock with an audible click.

Refer to fig. 3.

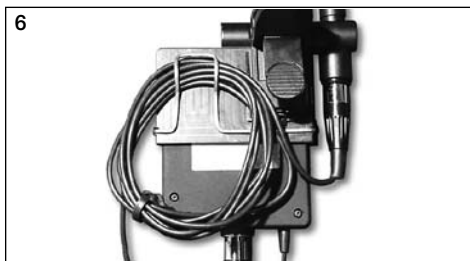


Fig. 4: Coiling and stowing the connecting cable.

6. Coil the connecting cable and stow it beneath the fixing clip.

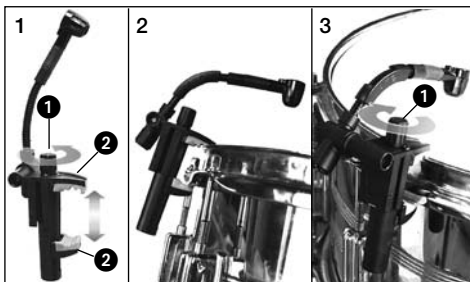
Refer to fig. 4.



## 3 Using Your Microphone

### 3.1 Mounting the Microphone

Fig. 5: Fixing the microphone on a snare drum, tom-tom, or Roto tom.



- Refer to fig. 5.
1. Turn the knurled-head screw (1) CCW to open the clamp jaws (2).
  2. Hang the microphone on the top hoop of the drum.
  3. Tighten the knurled-head screw (1) CW.

### 3.2 Aligning the Microphone

- To get a tight, punchy sound, aim the microphone at the perimeter of the skin.
- To get a rounder, more open sound, aim the microphone at the center of the skin.
- To get a very dry sound, you can tape a strip of felt or a piece of tissue paper to the skin in an off-center position.

### 3.3 More Hints

C 518 M only!

- When miking up small-diameter drums, we recommend aiming the microphone at the perimeter of the top skin to keep the microphone clear of the sticks.
- To keep the ringing of the top skin from becoming audible, you can switch in the bass rolloff on the phantom power adapter.



### 3 Using Your Microphone

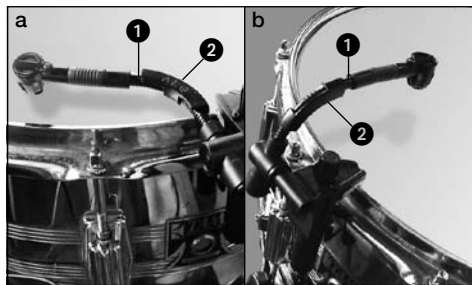


Fig. 6: Stabilizer knee: a) horizontal, b) vertical orientation.

- To prevent the gooseneck (1) from straightening after you bent it, you may snap the stabilizer knee (2) on the gooseneck in a horizontal (a) or vertical (b) position.

Refer to fig. 6.

### 4 Cleaning



To clean the microphone case, use a soft cloth moistened with water.



## 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. Phantom power supply: connect to power outlet or insert battery (batteries). Check cable and replace if necessary.</li></ol>
Distortion:	<ol style="list-style-type: none"><li>1. Gain control on the mixer set too high.</li><li>2. Mixer input sensitivity too high.</li></ol>	<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>
<b>C 518 ML:</b> Also read the transmitter and receiver manuals!		

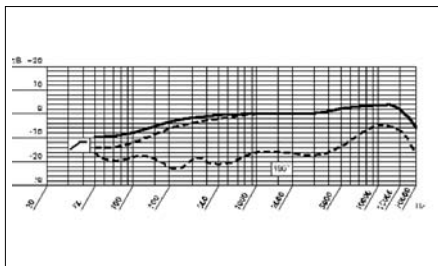
## 6 Specifications



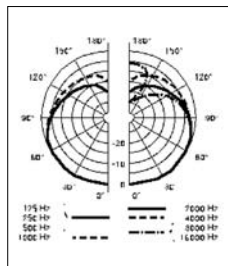
Type:	pre-polarized condenser microphone
Polar pattern:	cardioid
Frequency range:	60 Hz to 20,000 Hz
Sensitivity at 1 kHz:	5 mV/Pa (-46 dBV re 1 V/Pa)
Impedance:	≤ 200 ohms
Recommended load impedance:	≥ 2000 ohms
Max. SPL for 1%/3% THD:	130/132 dB SPL
Equivalent noise level:	31 dB(A) to IEC 60268-4
Power requirement:	B 29 L battery power supply, MPA V L phantom adapter, AKG WMS bodypack transmitters
Cable length / Connector:	1.5 m (5 ft.) / 3-pin mini XLR
Finish:	matte black
Size (microphone only):	length: 200 mm (7.9 in.) max. width: 47 mm (1.9 in.)
Net weight (microphone and cable):	C 518 M: 220 g (7.8 oz.) C 518 ML: 110 g (3.9 oz.)
Shipping weight:	C 518 M: 450 g (15.9 oz.) C 518 ML: 330 g (11.7 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



Mikrofone · Kopfhörer · Drahtlosmikrofone · Drahtloskopfhörer · Kopfsprechgarnituren · Akustische Komponenten  
Microphones · Headphones · Wireless Microphones · Wireless Headphones · Headsets · Electroacoustical Components  
Microphones · Casques HiFi · Microphones sans fil · Casques sans fil · Micros-casques · Composants acoustiques  
Microfoni · Cuffie HiFi · Microfoni senza filo · Cuffie senza filo · Cuffie-microfono · Componenti acustici  
Microfonos · Auriculares · Microfonos inalámbricos · Auriculares inalámbricos · Auriculares con micrófono · Componentes acústicos  
Microfones · Fones de ouvido · Microfones s/fios · Fones de ouvido s/fios · Microfones de cabeça · Componentes acústicos

## AKG Acoustics GmbH

Lemböckgasse 21–25, A-1230 Vienna/AUSTRIA, phone: (+43-1) 86654-0\*  
e-mail: sales@akg.com

For other products and distributors worldwide visit [www.akg.com](http://www.akg.com)



## **H** A Harman International Company

Technische Änderungen vorbehalten. Specifications subject to change without notice. Ces caractéristiques sont susceptibles de modifications.  
Ci riserviamo il diritto di effettuare modifiche tecniche. Nos reservamos el derecho de introducir modificaciones técnicas. Especificações sujeitas a mudanças sem aviso prévio.

Printed in China (P.R.C.) on recycled paper.

12/09/9100 U 11990

