



Front End мк-207 VOCAL CONDENSER MICROPHONE Instruction Manual

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MK-207
VOCAL CONDENSER MICROPHONE



OPERATION MANUAL

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ABOUT US

Oktava is a legendary brand, a leader in the production of unique electroacoustic equipment. The company develops and serially produces products for both civil and military-technical purposes, has many years of experience in the production of microphone equipment, headsets, and telephone equipment. Founded in 1927 in

the city of Tula, Oktava has become the iconic brand known all over the world. It was the Oktava microphone that Yuri Gagarin said his famous «Poyekhali!» (Let's go!) into. Products are popular worldwide and even such masters as U2, Sting, Iron Maiden, and Radiohead use the Oktava microphone equipment in their work.

SAFETY INSTRUCTIONS

- Please read the operation manual carefully before using the microphone.
- Keep the manual in a safe place that is accessible to all users.
- Give the microphone to third parties always with the operation manual.
- Use the microphone only for its intended purpose in accordance with this manual.
- Keep liquid away from the microphone, it may cause a short circuit in electronic components or damage mechanical components.
- Clean the microphone only with a soft, slightly moistened cloth. Solvents or cleaning agents may damage the surface or get inside the product.
- Do not expose the microphone to extremely low or extremely high temperatures, high humidity, and wind streams with a speed of more than 5 m/s.
- Keep an eye on the presence of earthing.
- Protect from bumps and falls.
- Do not open the microphone case by yourself. Microphones opened by customers themselves are not covered by the guaranty.

FUNCTION

MK-207 is a handheld condenser microphone with external polarisation of the capsule is designed for recording and amplifying vocals, speech, and musical instruments at concert venues, recording studios, and other events.

Special Features

- High level of maximum permissible sound pressure;
- Low level of nonlinear distortion;
- High sensitivity;
- Low self-noise level;
- A built-in composite pop filter;
- Low output impedance;
- High resistance to electromagnetic interference;
- The ability to work with unstable phantom power;
- Effective capsule shock absorbing;
- Durable and tough aluminum body and grille;
- Classic design combined with a modern ergonomic shape;
- Made in Russia.

AREAS OF USE*

- speech/vocal
- grand piano;
- strings;

- horns;
- percussion.

*Creativity has no borders – find your solution!

SCOPE OF SUPPLY

1. MK-207 microphone
2. Microphone clip
3. Storage bag
4. Windscreen
5. Operation manual
6. Package

PRE-STARTING PROCEDURE

INSTALLING THE MICROPHONE INTO THE HOLDER

1. Fix the microphone holder on a microphone stand (fig 6)
2. Install the microphone into the clip according to the scheme (fig. 7)
3. Install the microphone under required angle and tighten it by leafed clamping screw (fig. 8)



fig. 6

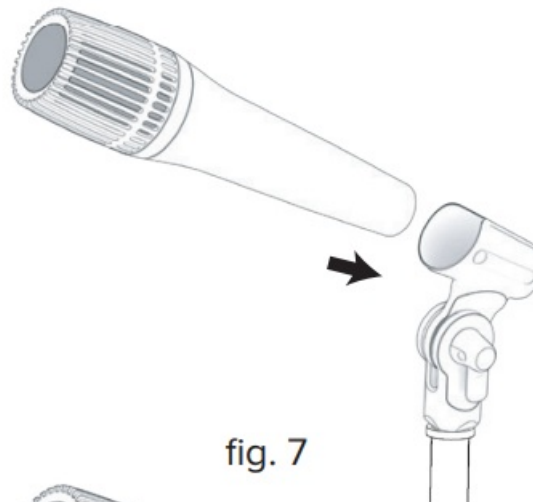


fig. 7



fig. 8

CONNECTION

MICROPHONE CONNECTION

1. Turn off the phantom power.
2. Connect the microphone to the mixing console or audio interface by XLR-3 microphone cable. Turn on the phantom power.
3. The microphone provides the stated specifications 60 seconds after the phantom power supply.

Attention! It is not recommended to connect and disconnect the microphone when the phantom power of the microphone input is turned on.

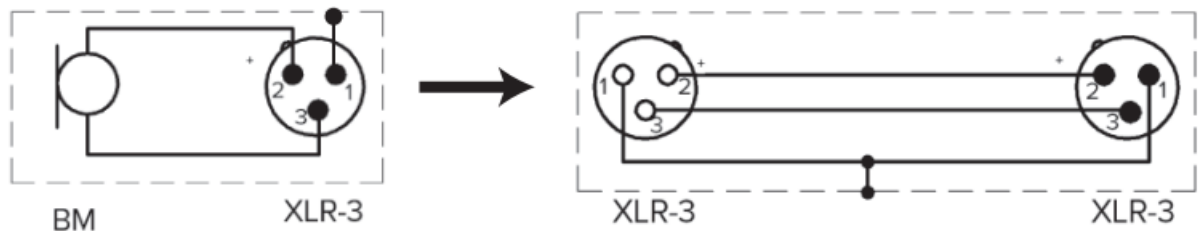


fig. 9

APPLICATION FEATURES

1. Install the microphone on the microphone stand using the holder
2. Connect microphone to the equipment using the microphone cable
3. Point microphone at the sound source
4. To ensure external noise cancelling, make sure that there are no external sound sources in the active zone of the microphone
5. To increase the service life of the microphone when working with vocalists, it is recommended to use a windscreen (Fig. 10)

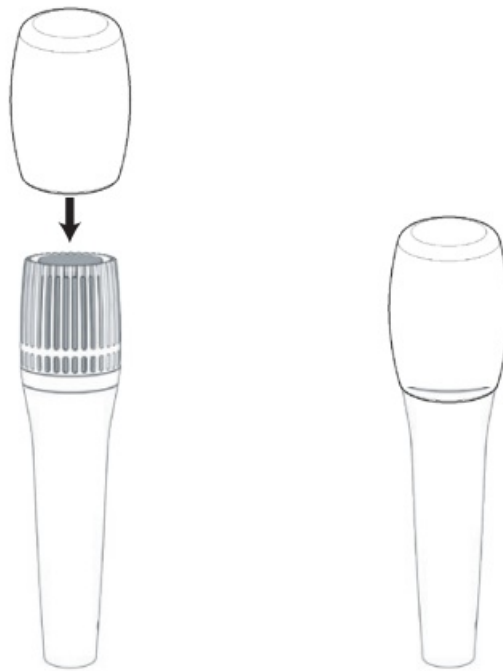


fig. 10

OPERATION AND STORAGE

- The microphone is designed for use in closed rooms and open areas (no precipitation is allowed on the microphone), at ambient temperatures from 1 °C to 45 °C and relative humidity of up to 98% at 35°C.
- Do not expose the microphone to sharp shocks or impacts.
- Keep liquid away from the microphone.
- Do not use organic solvents (gasoline, dichloroethane, alcohol, etc.) to wipe the microphone.
- Do not use or store the microphone in rooms that contain acidic or other aggressive substances in the air.
- When using the microphone in the presence of air streams with a speed of more than 0.5 m/s, it is recommended to use a microphone with an external wind noise reducer included in the delivery set or a wind noise reducer with similar properties.
- When using a microphone to record speech or vocals, it is recommended to use an additional pop filter, if possible.
- To avoid interference with the microphone signal, it is not recommended to use the microphone near sources of strong electromagnetic radiation (power transformers, welding machines, etc.).
- Store the microphone in a dry, clean, and dust-free room at room temperature using the packing or case provided.
- After keeping the microphone in climatic conditions that do not correspond to the operating conditions, before starting work, it is necessary to withstand the microphone for at least 1 hour in climatic conditions that correspond to the operating conditions.
- It is recommended to fix the microphone in devices (stands, tripods) that minimize the transmission of vibrations to the microphone body.
- It is not recommended to blow into the microphone when checking it, it is better to say a control phrase or swipe over the surface of the grille or wind noise reducer.

SPECIFICATIONS

Polar pattern	Cardioid
Frequency range	20 — 20 000 Hz
Sensitivity at 1000 Hz, minimum	18 mV/Pa (typical value is 24 mV/Pa)
YpoBeHb 3KB141312fleHTH010 3ByKOB010 qaHnerws, odychno bneHHbiR co6creeHHum wumom, He 6onee	16 dBA
Impedance, maximum	50 Ohm
Average sensitivity difference for acceptance angles 0-90° in the frequency range of 250-4,000 Hz, minimum	5,5 dB
Average sensitivity difference for acceptance angles 0-180 ° in the frequency range of 250-4,000 Hz, minimum	17 dB
Maximum permissible sound pressure level, at the frequency of 1 000 Hz, with a total coefficient of nonlinear distortion (harmonics) equal to 0.5%, minimum	140 dB
Current consumption, maximum	5 mA
Power supply	48 V phantom power ICE61938
Connector type	XLR-3
Overall dimensions	0 44×185 MM
Weight	350 g

FREQUENCY RANGE

Particular sensitivity frequency response

See Appendix A

POTENTIAL FAILURES

Problem	Potential reason	Troubleshooting recommendations
Microphone is not working	Mixing console is not connected to the network. Power supply on the mixing console is turned .	Check your network connection. Check the corresponding buttons on the mixing console.
Sound distortions	Input sensitivity or preamplification of the subsequent amplifier are adjusted incorrectly. Transmission of structure-borne noise. In case of 50 Hz background noise	Reduce the input sensitivity or pre amplification of the next device so that there is enough modulation reserve. Use appropriate fastening for microphone boom (see page 28). please check the earthing connection.
A dull sound	Polar pattern is not taken into account.	Check if microphone is installed correctly.

MANUFACTURER'S GUARANTEE

- The manufacturer guarantees compliance with the technical characteristics of the microphone if the consumer complies with the conditions and rules of operation and storage set out in this manual.
- The product guarantee period is 24 months from the date of purchase to the consumer.
- During the guarantee period, the manufacturer guarantees free replacement or repair of the microphone that does not meet the requirements of this manual due to the fault of the manufacturer.
- Claims for the microphone are accepted only with sale/acceptance certificate.
- The average service life of the microphone is 10 years, after this period, it is necessary to replace the foam inserts and recheck the microphone parameters.
- Please dispose of the microphone at your local recycling center after the end of its service life.



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ACCEPTANCE CERTIFICATE

item brand

serial number

Manufactured and classified as fit for service

Chief controller personal signature clarification of signature L.S. year, month, day

SALE CERTIFICATE

item brand_____

serial number_____

name of the trade organization_____

seller's signature_____

clarification of signature_____

L.S._____

year, month, day_____

customer's signature_____

clarification of signature_____

GUARANTEE CARD

Guarantee service (repair) No 1

MK-207 condenser microphone

No_____

product serial number_____

date of receipt for repair_____

person responsible for the repair full name_____

signature_____

L.S._____

GUARANTEE CARD

Guarantee service (repair) No 1
MK-207 condenser microphone No _____
product serial number _____
date of receipt for repair _____
person responsible for the repair full name _____
signature _____
L.S. _____

GUARANTEE CARD

Guarantee service (repair) No 1
MK-207 condenser microphone
No _____
product serial number _____
date of receipt for repair _____
repair reason _____
sold by _____
signature _____
L.S. _____
information about repair performed _____
L.S. _____
signature, description _____
repair contractor _____
owner's address _____
owner's name and signaturer _____


GUARANTEE CARD

Guarantee service (repair) No 2
MK-207 condenser microphone
No _____
product serial number _____
date of receipt for repair _____
repair reason _____
sold by _____
signature _____
L.S. _____
information about repair performed _____
L.S. _____
signature, description _____
repair contractor _____
owner's address _____
owner's name and signaturer _____



Call-center: 8 800 755 3 559
Web-site: www.oktavatula.ru
Instagram: oktava_russia
Facebook: oktava.russia
Vkontakte: oktava.russia
OK: oktava.russia

Documents / Resources

	<p>Front End мк-207 VOCAL CONDENSER MICROPHONE [pdf] Instruction Manual -207 VOCAL CONDENSER MICROPHONE, -207, VOCAL CONDENSER MICROPHONE, CO NDENSER MICROPHONE, MICROPHONE</p>
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References

- [Oktava Microphones](#)
- [Октава - производитель электроакустического оборудования | Профессиональные микрофоны российского производства](#)