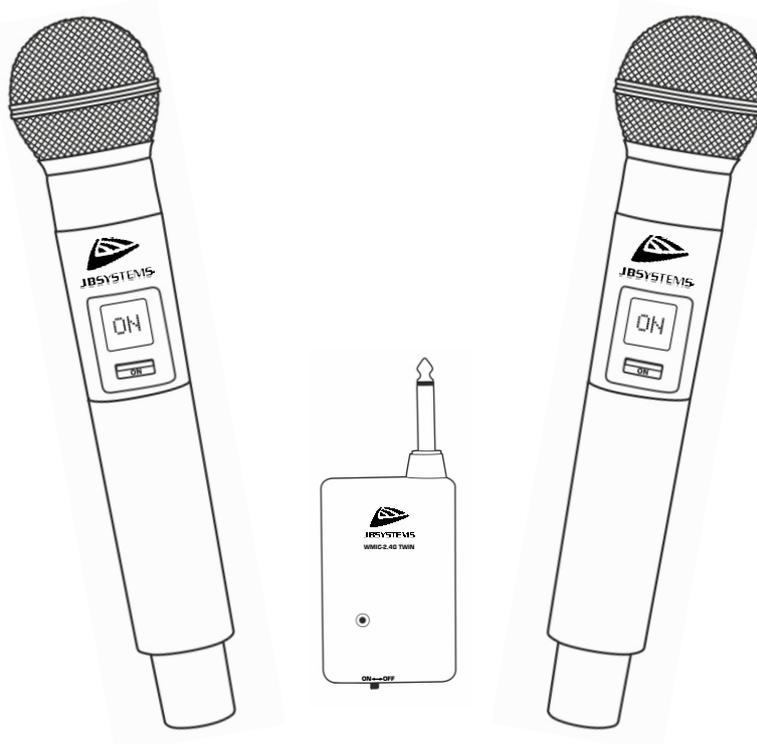


WMIC-2.4G TWIN

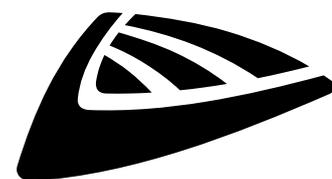


ENGLISH Operation Manual

Other languages can be downloaded from:
WWW.JB-SYSTEMS.EU



Version: 1.0



JBSYSTEMS



EN - DISPOSAL OF THE DEVICE

Dispose of the unit and used batteries in an environment friendly manner according to your country regulations.

FR - DÉCLASSER L'APPAREIL

Débarrassez-vous de l'appareil et des piles usagées de manière écologique Conformément aux dispositions légales de votre pays.

NL - VERWIJDEREN VAN HET APPARAAT

Verwijder het toestel en de gebruikte batterijen op een milieuvriendelijke manier conform de in uw land geldende voorschriften.

DU - ENTSORGUNG DES GERÄTS

Entsorgen Sie das Gerät und die Batterien auf umweltfreundliche Art und Weise gemäß den Vorschriften Ihres Landes.

ES - DESHACERSE DEL APARATO

Reciclar el aparato y pilas usadas de forma ecologica conforme a las disposiciones legales de su país.

PT - COMO DESFAZER-SE DA UNIDADE

Tente reciclar a unidade e as pilhas usadas respeitando o ambiente e em conformidade com as normas vigentes no seu país.

OPERATION MANUAL

Thank you for buying this JB Systems® product. To take full advantage of all possibilities, please read these operating instructions very carefully.

FEATURES

- You can add 2 wireless microphones on any system with a standard microphone 6.3mm jack input !
- The perfect solution for karaoke, mobile DJ's, street singers/musicians and anyone who quickly needs a wireless microphone for a speech
- Perfect in combination with portable audio systems like our Movil-1
- Easy plug & play thanks to ID MATCH technology between transmitters and receiver.
- 2 microphones and 1 receiver
- Can be used with rechargeable batteries!
 - 2 x AA battery for microphone
 - 1 x AA battery for receiver
- 6.3mm jack output with mixed signal from both microphones.
- Frequency range: 2.4GHz (free use in most European countries)

BEFORE USE

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- **Important:** This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling is not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the fixture, be sure to add this user manual.
- To protect the environment, please try to recycle the packing material as much as possible.

Check the contents:

Check that the carton contains the following items:

- User manual
- 1x WMIC-2.4G TWIN receiver
- 2x Microphone

SAFETY INSTRUCTIONS:



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



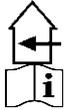
CAUTION: To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.



The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user or the presence of un-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.



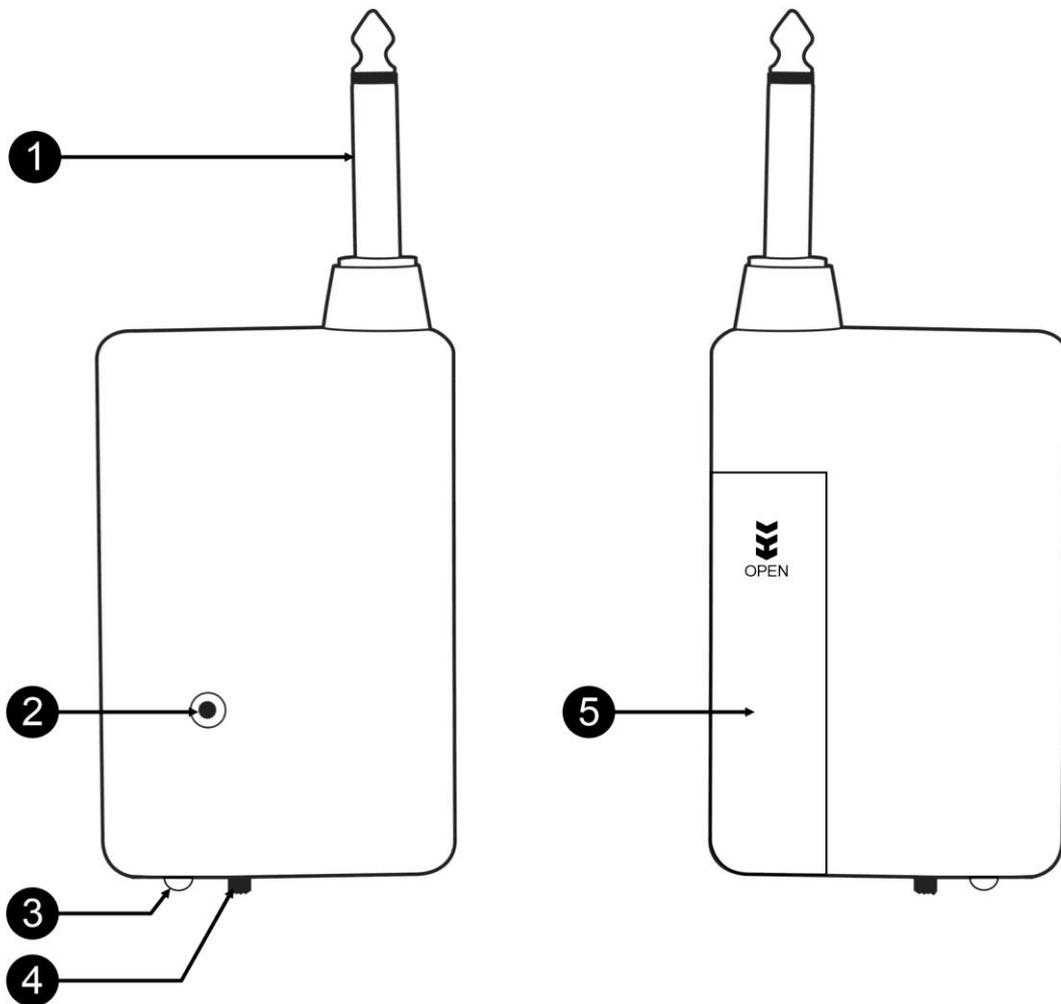
This symbol means: indoor use only



This symbol means: Read instructions

- To prevent fire or shock hazard, do not expose this appliance to rain or moisture.
- To avoid condensation to be formed inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport. Condense sometimes prevents the unit from working at full performance or may even cause damages.
- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. No objects filled with liquids, such as vases, shall be placed on this appliance. Electric shock or malfunction may result. If a foreign object enters the unit, immediately disconnect the mains power.
- No naked flame sources, such as lighted candles, should be placed on the appliance.
- Don't cover any ventilation openings as this may result in overheating.
- Prevent use in dusty environments and clean the unit regularly.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum save ambient temperature is 40°C. Don't use this unit at higher ambient temperatures.
- Minimum distances around the apparatus for sufficient ventilation is 10cm.
- Always unplug the unit when it is not used for a longer time or before you start servicing.
- The electrical installation should be carried out by qualified personal only, according to the regulations for electrical and mechanical safety in your country.
- Check that the available voltage is not higher than the one stated on the rear panel of the unit.
- The socket inlet shall remain operable for disconnection from the mains.
- The power cord should always be in perfect condition. Switch the unit immediately off when the power cord is squashed or damaged.
- The socket inlet is used as the disconnect device, the disconnect device shall remain readily operable
- This appliance must be earthed to in order comply with safety regulations.
- In order to prevent electric shock, do not open the cover. There are no user serviceable parts inside.
- In order to avoid a hazard, the unit shall only be used with the AC-adaptor delivered with it. If the AC-adaptor is damaged, a same model adaptor shall be used only.
- **Never** repair a fuse or bypass the fuse holder. **Always** replace a damaged fuse with a fuse of the same type and electrical specifications!
- In the event of serious operating problems, stop using the appliance and contact your dealer immediately.
- Please use the original packing when the device is to be transported.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.

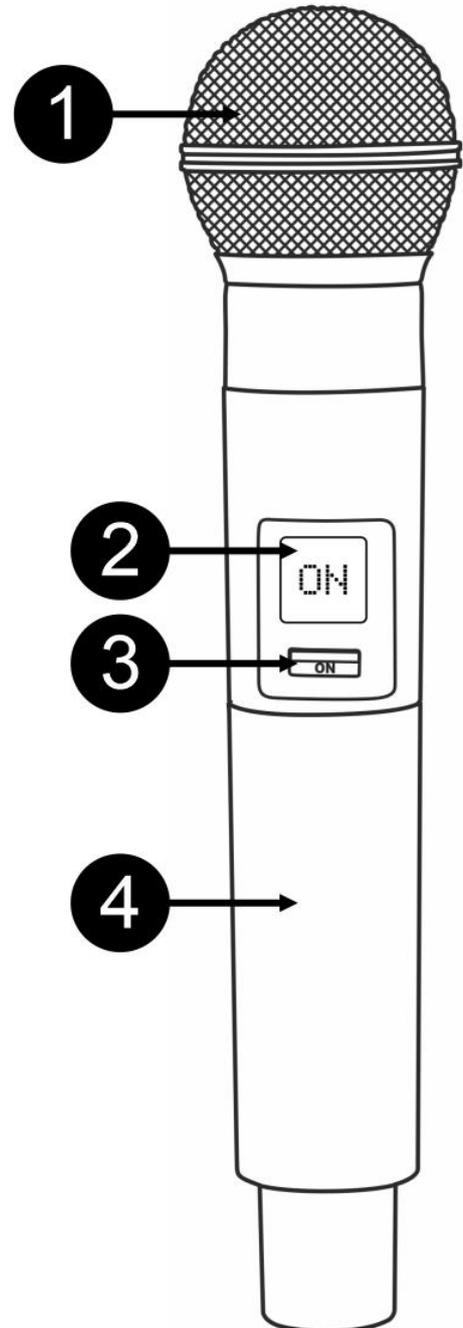
RECEIVER FUNCTIONS



1. **INPUT CONNECTOR:** 1/4" (6,3mm) Jack (TRS) connector.
2. HOLE in the cover : no purpose.
3. **LED:** indicates the status of the receiver.
4. **POWER switch:** used to switch on and off the receiver.
5. **BATTERY COMPARTMENT:** Insert a 1.5V AA rechargeable or dry (Alkaline) battery into the compartment by sliding the battery cover gently down. Make sure that the polarity of the batteries is correct.

HANDHELD MICROPHONE FUNCTIONS

1. **GRILL:** Protects the unidirectional microphone capsule and helps reduce breath sounds and wind noises.
2. **DISPLAY:** shows the status of the microphone.
3. **ON/OFF SWITCH:** to turn the microphone on and off.
4. **BATTERY COMPARTMENT:** Insert two 1.5V AA rechargeable or dry (Alkaline) batteries into the compartment by unscrewing the battery cover gently and slide it down. Make sure that the polarity of the batteries is correct.



SETUP AND CONNECTIONS

! Some important notes before we start !

- The maximum working distance between receiver and transmitter(s) is 25 meters. (depending on the ambient conditions)
- To minimize interferences install the receiver away from big metal surfaces/objects, TV and other wireless appliances as much as possible.
- Try to minimize the number of obstructions (thick concrete walls, big metal objects, ...) in the path between the transmitter and receiver.

RECEIVER – AUDIO CONNECTIONS

First determine which audio inputs are available on your mixer.

- **To an unbalanced MIC-input of the audio mixer:** close the gain of the mixer input. Switch on the receiver and the hand microphone(s) and bring the input gain(s) of the mixer slowly up.
- **To an unbalanced LINE-input of the audio mixer or hifi stereo set:** close the gain of the mixer input. Switch on the receiver and the hand microphone(s) and bring the input gain(s) of the mixer slowly up.

NOTE: the output level of the receiver is not a microphone nor a line level but something in between (300mV).

SYSTEM SETUP

- Open the battery compartment of the microphone(s) (4) and receiver (5) and insert the AA batteries (alkaline or rechargeable battery).
- Switch on the receiver with the ON/OFF switch (4). The LED (3) will lit in blue (if no microphone is on).
- Switch on the hand microphone(s) by sliding the ON/OFF switch (3) towards the display. The display (2) will light up.
- The receiver and hand microphone(s) will pair automatically when they will be switched on and the system will be ready for use.
- The color of the LED (3) on the receiver will change according to 1 or 2 microphones are on.
- When the battery power is low, the display on the microphone starts blinking. On the receiver the LED will start blinking when the battery power is low.

TROUBLESHOOTING

<u>Problem</u>	<u>Solution</u>
No sound	<ul style="list-style-type: none"> • Check if the transmitter and receiver are switched on. • Check the condition of the batteries. • Check if the hi-fi appliance or audio mixer is switched on and the receiver output is connected to the desired audio input. Mixer: is the gain open? • Check if the transmitter is too far away from the receiver. • Check if the receiver is located near a large metal object or if there are large obstructions (ex. large metal object or thick wall) between transmitter and receiver.
Distortion	<ul style="list-style-type: none"> • Check if the volume level on your mixer is set too high or too low. • Check if the interference comes from other wireless microphones, TV, radio, PC, etc.

CLEANING THE APPLIANCE:

Clean by wiping with a polished cloth slightly dipped with water. Avoid getting water inside the unit. Do not use volatile liquids such as benzene or thinner which will damage the unit.

SPECIFICATIONS

This device carries the prescribed CE marking. It was tested for this purpose in a specialized CE lab and fully complies with all currently valid European and national standards. The corresponding CE conformity declarations can be found on the product page of this product on our website.

RECEIVER

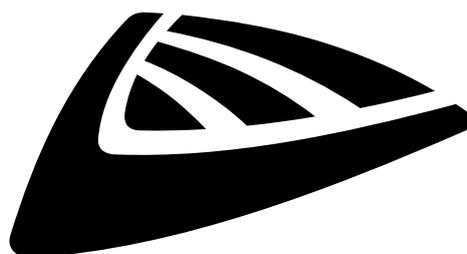
Carrier Frequency Range:	2.4GHz
Modulation Mode:	GFSK and DQPSK
Working distance:	+/-25m (depending on ambient conditions)
S/N ratio:	101dB
AF Response:	70Hz to 13kHz
Sampling rate:	48kHz
Bit rate:	24 bit
Battery:	1 x 1,5V AA size battery
Audio Output:	300mV on unbalanced 6.3mm jack
Output impedance:	560 Ohm (+/-10%)
Current consumption:	110mA

MICROPHONE

Carrier Frequency Range:	2.4GHz
Cartridge sensitivity:	-54(+/-3)dB (at 1kHz)(OdB=1V/Pa)
Current consumption:	30mA
Frequency Response:	70Hz – 13kHz
Microphone Capsule:	Unidirectional
Battery:	2 x 1,5V AA size batteries

Every information is subject to change without prior notice

You can download the latest version of this user manual on our website: www.jb-systems.eu



JB SYSTEMS

MAILING LIST

EN: Subscribe today to our mailing list for the latest product news!

FR: Inscrivez-vous à notre liste de distribution si vous souhaitez suivre l'actualité de nos produits!

NL: Abonneer je vandaag nog op onze mailinglijst en ontvang ons laatste product nieuws!

DE: Abonnieren Sie unseren Newsletter und erhalten Sie aktuelle Produktinformationen!

ES: Suscríbete hoy a nuestra lista de correo para recibir las últimas noticias!

PT: Inscreva-se hoje na nossa mailing list para estar a par das últimas notícias!

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