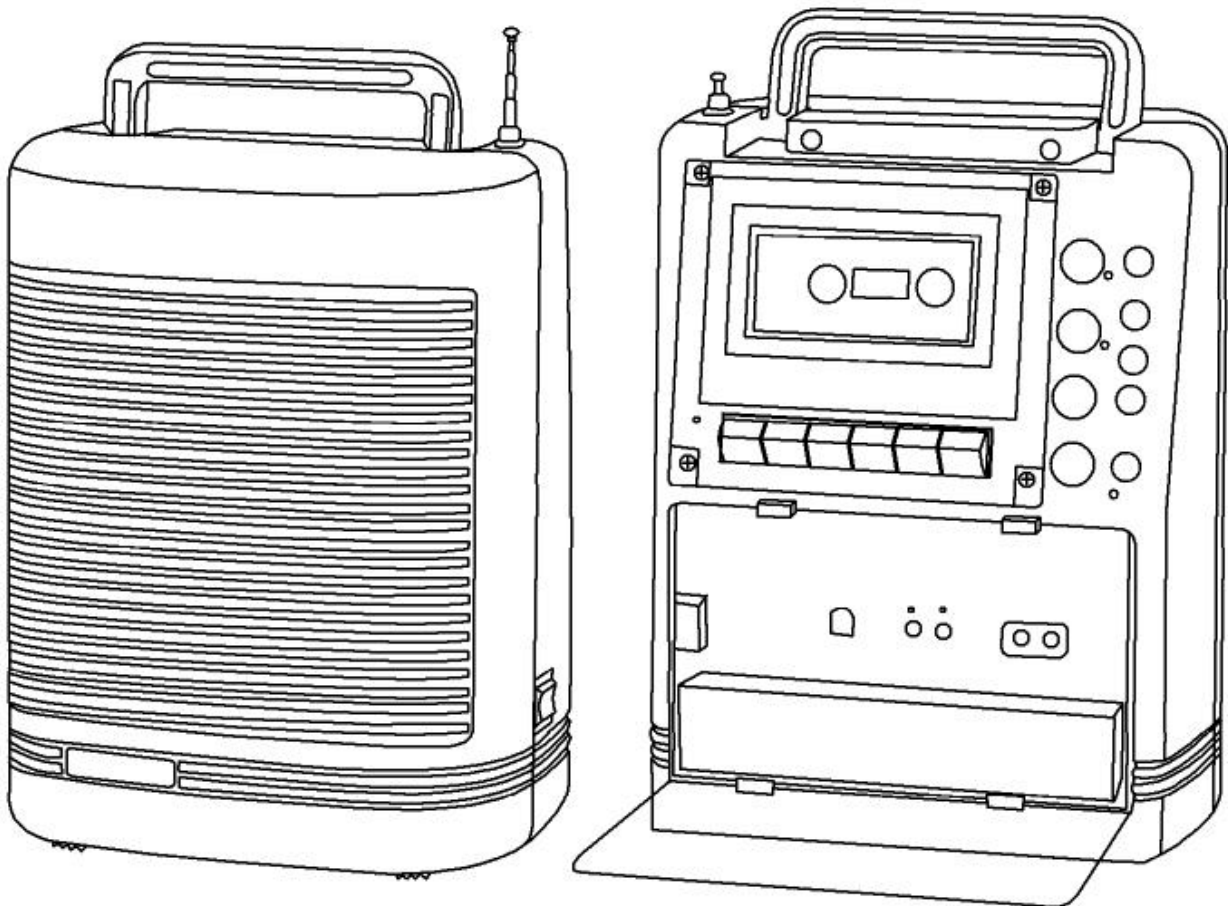


(Play & Record)

Portable wireless PA Amplifier



MANUAL

CE E/ECO495040519495
200301802099208

ISO 9001:2000
0504Q11762ROS

We thank you for your purchasing this amplifier system. Before start to use this amplifier system, please read the manual book thoroughly and carefully.

Please keep this instruction book in a safe place after reading for future reference.

FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

Basic Features of the Amplifier system

- SMD electronic components and SMT technology used in building this amplifier, the quality is very stable.
- VHF band 165-265MHz and 98 group different possible frequencies for choose, so 98 sets different channels amplifiers can be used at the same time.
- The system works on both AC and DC. You can also use the built in rechargeable battery, or with car cigarette lighter power for 12V DC. (The power cord for car is optional)
- Wired/wireless microphone can be used at the same time.
- Tone control.
- Aux input for connecting to MD/CD etc.
- Low voltage circuit protection for the built-in rechargeable battery to avoid the damage of it in case of incorrect operation.



aerobics

Notice:

- This machine can produce the electronic magnetic field because it's magnet speaker, please let this machine far from PC, TV set over 60cm, otherwise this magnetic field will effect their picture and voice.
- After use, please pull out the power cable from the power socket. This machine should be far from the high temperature or heat objects to avoid damage it.
- This machine should be far from the big power wireless transmitter tower to avoid the interference.
- For the built-in rechargeable battery:
 1. Should be charged over 6 hours before use, make sure it can be supplied power at any time.
 2. Should be charged over 6 hours after use to protect the battery and the power supply.
- Please don't use this machine if the following circumstances happen, refer servicing to qualified personnel only.
 1. Power cable or power socket be damaged.
 2. This machine was drenched by rain or other obstacles inside the machine.
 3. Some components were damaged.

*Make sure to keep 20cm distance around this machine, aeration is important for it's usage. Please replace the same spec battery if the built-in 12V/2.2AH battery was damaged otherwise will damage this machine and please handle this damaged battery appropriate to avoid pollue the environment.

Warning:

- Please don't put this machine in the rain, moisture and dusty place to avoid the fire or lightning struck.
- In order to avoid creepage and get electric shock before use AC power, please refer to:
 1. Please check the power cable, make sure it's in the good condition.
 2. The using AC voltage should be the same as we stated in the machine or manual.
- Please don't dismantle this product. The maintenance and inspection should be carried out by a qualified technician to avoid the risk of electric shock and damaging the components.
- Be sure to switch off the system main power after use, otherwise the battery will be over discharged and it can damage the Lead Acid rechargeable battery and shorten the battery life dramatically.
- After use the wireless transmitter, please take the battery out of it to avoid battery leaking to damage the transmitter.

FCC NOTE:

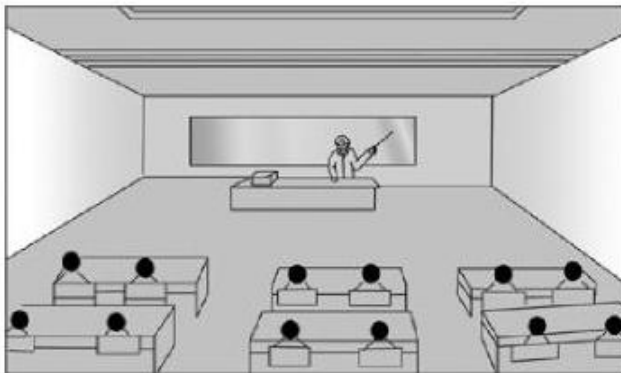
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The usage of the amplifier system

This unique designed amplifier speaker system with microphone is perfect for the following applications.

- Used as lecturing amplifier indoor or outdoor. (Especially for dancing and gym teachers).
- A perfect address delivery system for in and out door meeting, tourism and churches.
- It is a good amplifier for interpretation, class teaching and commercial vendor demonstrations.

With this amplifier system, you can make yourself a clear sound and heard from far!

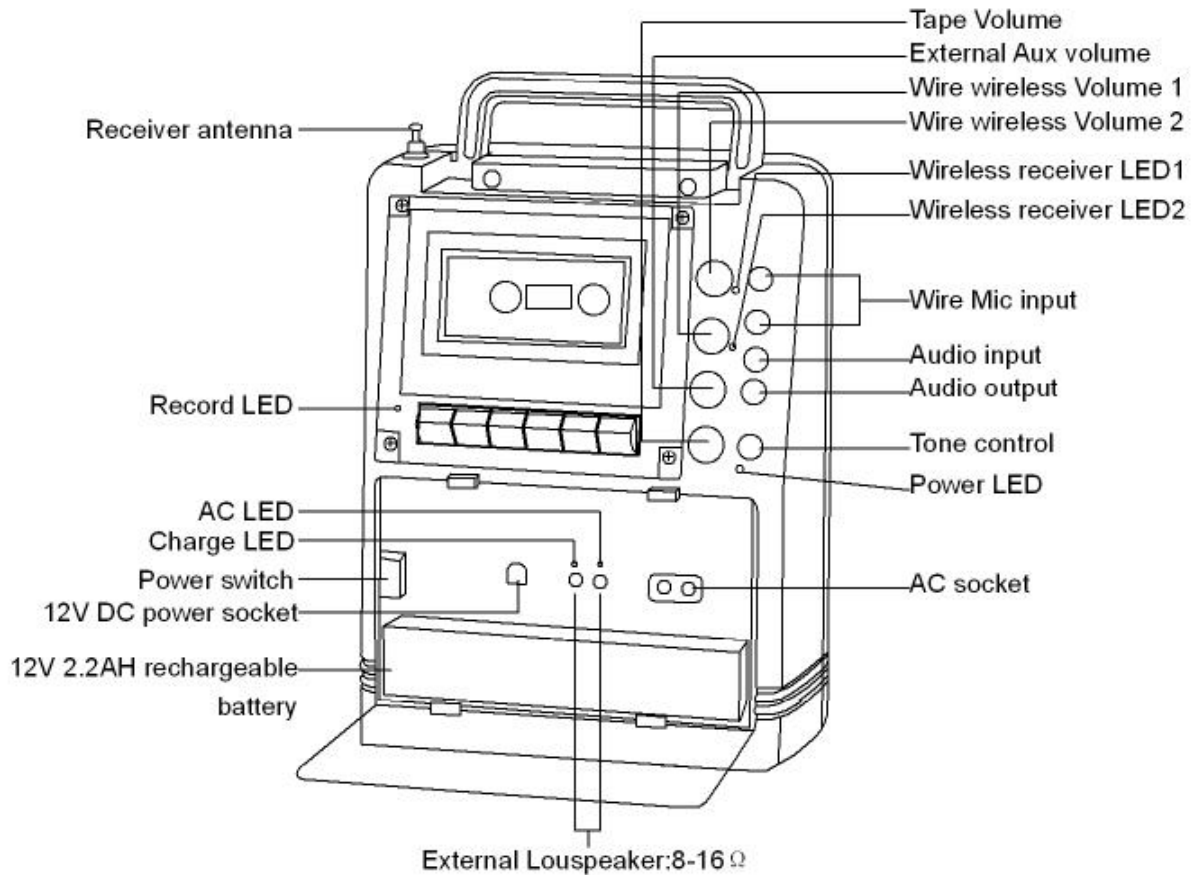


Classroom teaching



Tour

The system descriptions:

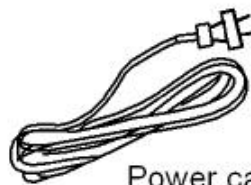


Standard match

1. One main receiving machine
2. One lavalier microphone with transmitter
3. One headset microphone
4. One power cable



Handheld wireless MIC
(Optional)



Power cable



Lavalier wireless Mic



Haversack
(Optional)



8.4 NI-MH rechargeable battery
(Optional)



Headset MIC

Technical specifications

Power supply:	AC 220V 50Hz/DC 12V/2.2 AH (Built-in rechargeable battery)
Peak power	60W(max)
Frequency Range	
Sensitivity	10dB/ μ V (S/N:>60dB above)
Oscillating Mode	\pm 0.005% quartz oscillating locked
Service range	35 meters
Dimension	210 X 140 X 270MM(WxDxH)

Operation of the system

Pull out the antenna to the highest point to get the farthest wireless MIC effective range and best result.

System operation on AC Power

1. Plug in the AC power to the power outlet from a power source. Make sure you are using 220V 50Hz voltage or the stated voltage on the machine. When you plug in the system to AC power.
2. Switch the main power on, the LED on the body will be lit. After using the system, make sure to turn the main power off to avoid over charge the battery built in.
3. When the AC power suddenly cut off, the built-in battery will power the system to work no delay.
4. Adjust the volume with the control knob to get the perfect sound.

Caution: You have to plug the system off the main power if you are not going to use it for a period of time.

Warning: Be sure to switch off the system main power after use, otherwise the battery will be over discharged and it can damage the Lead Acid rechargeable battery and shorten the battery life dramatically.

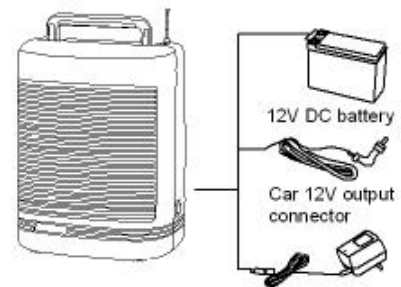
System works on DC power

1. Turn on the main switch to ON and the power LED will indicate the battery works well.

Caution:

- (1) Before start to use the main machine, the built-in accumulator must be full charged over 8 hours.
- (2) When the main machine is operating and occur noisy interruption and distortion voice, indicates the weak built-in battery, you should replace the DC power to AC power and charge the main machine in time.
- (3) Low voltage circuit protection for the built-in battery to avoid the damage of it in case of incorrect operation. When the main receiver is being used, if the voltage of the battery is less than $9 \pm 0.5V$, it is switched off its power automatically by its low voltage circuit protection. And need to be used with AC power or recharged in time, or the life span of it will be shorten.

2. You may use the car cigarette light power connector to connect the car and the main receiving machine or use an external 12V DC power connector to connect the main receiving machine and the external 12V battery to supply power source to the main receiving machine.



Warning: After use it, please make sure to switch the main power to OFF to avoid battery damage.

NOTE:

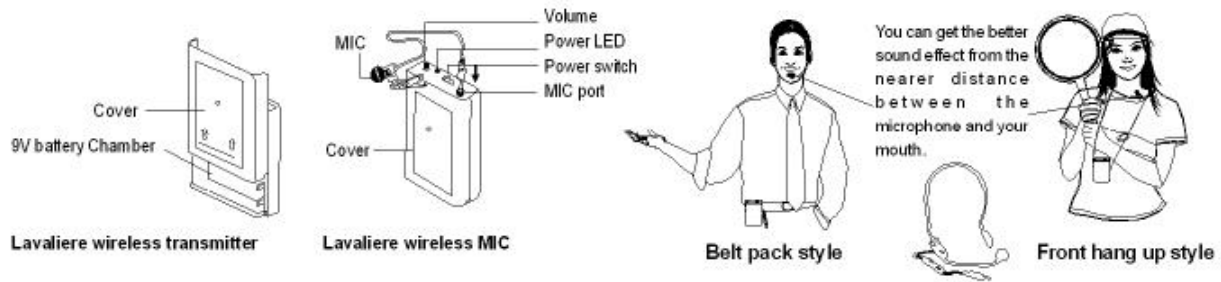
The replacement of AC power and recharged is needed in case of weak built-in batteries power and occurrence of noises and interruption of voice while using DC built-in batteries power.

Warning: Be sure to switch off the system main power after use, otherwise the battery will be over discharged and it can damage the Lead Acid rechargeable battery and shorten the battery life dramatically.

How to use the Lavalier Microphone

1. Open the battery compartment by sliding up the cover.
2. Put the battery into the compartment with correct polarity, and close the cover.
3. Plug the Lavalier microphone part to the jack.
4. Switch on the power of the transmitter and when the LED shows, it is ready to work.

5. Be careful to adjust the main control of the transmitter, start from least volume and slowly turn it to a appropriate level to hear your voice clearly and with feed back. The system is ready to use.
6. After use, you have to take the battery out of the transmitter to avoid battery leaking to damage the transmitter.



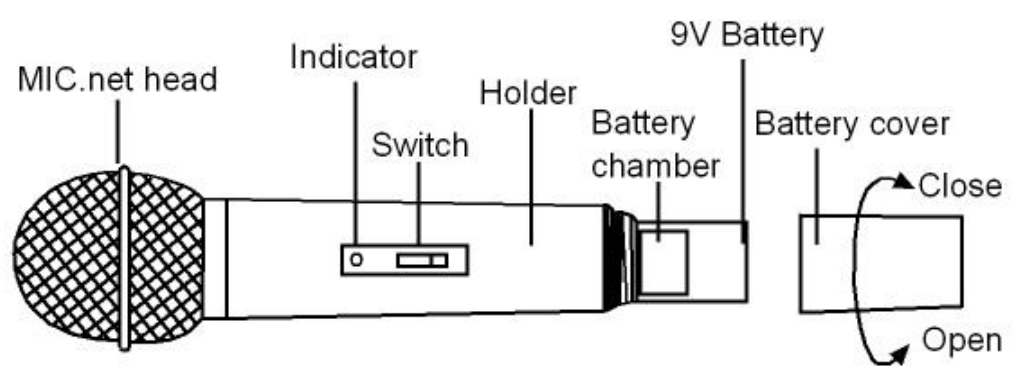
How to use the handheld Microphone

1. Open the battery cover.
2. Put the battery into the compartment and make sure you have a right polarity before you use it.
3. Turn the switch to **ON** and you can use the microphone now.
4. Please take the battery out if you are not going to use it for a period of time.



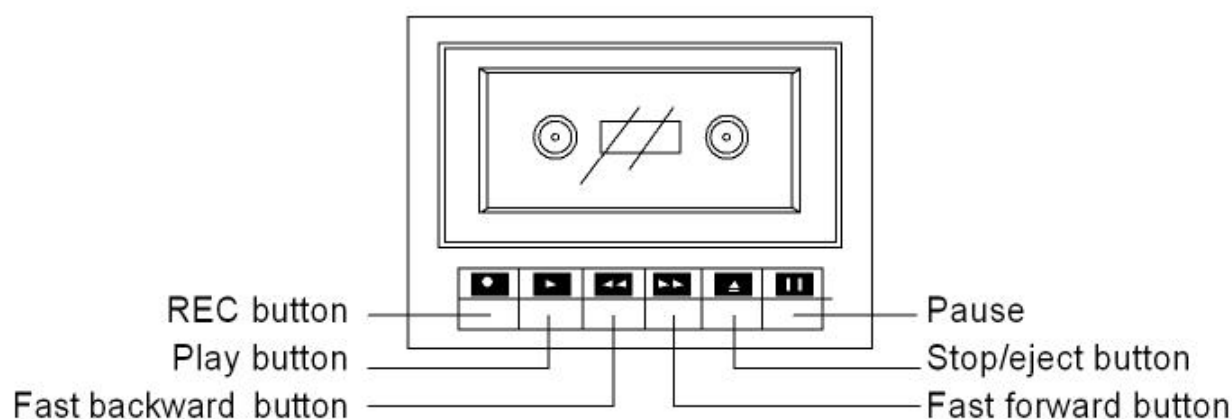
Don't put the microphone directly towards the horn of the main receiver in near distance, or it will occur screaming feedback.

Caution: If the LED flash up, it shows the battery is good to use. If the LED is on, it shows that the battery is low, you have to change the battery before you can use the system. If the LED does not flash and not on, it shows the battery is dead or polarities are wrong.



Handheld wireless MIC

How to use the Play & Record of cassette



1. Play

- 1) Adjust the TAPE/AUX volume to 1/3 position.
- 2) Press Eject button (\blacktriangle) insert the tape then press play button (\blacktriangleright) to play the tape. Press stop button (\blacktriangle) to stop the play.
- 3) Adjust TAPE/Aux to proper position and adjust the TONE knob to achieve perfect sound effect.
- 4) Press pause button (\parallel) to pause the play, press it again to re-start the play.
- 5) Press Fast forward button ($\blacktriangleright\blacktriangleright$), the tape plays forward rapidly. Press Fast backward button ($\blacktriangleleft\blacktriangleleft$) to play back the tape.
- 6) The application of tape calculator is needed according to your requirement while playing tape. Press the Reset button to re-calculate from zero.

2. Record

- 1) Insert the tape into Tape deck.
(Note: Record tape should be with erase-prevented chip.)
- 2) Press play (\blacktriangleright) and REC (\bullet) button simultaneously, the record can be carried out through wire or wireless MIC. Press pause (\parallel) or stop button (\blacktriangle) to pause or stop the record.
- 3) In most cases, adjust the volume of wire or wireless MIC. to 1/2 position while recording, the adjustment is carried out according to the sensitivity of MIC.

3. Maintenance and notice

- 1) Dust or dirt may attach to the tape head, pinch roller and capstan because of the frequent movement of these parts, and it may lead to the distortion or mutation of the sound. Cotton swab dipped with pure alcohol can be used to clean these parts.
- 2) Insert the tape into the proper position to avoid the damage of auto-stop lever.
- 3) TAPE winding is because tape wheel can't move or the tape is too tight and irregular. Rewind the tape several times to solve this problem.
- 4) Check the TAPE head to see if it's dirty, make sure the erase-prevented chip of the tape is not removed when recording. Cleaning of the tape head and seal of the chip with plastic sticker is needed when necessary.

How to use a wired microphone

Just plug the microphone to the wired mic input jack, you hear your voice immediately.

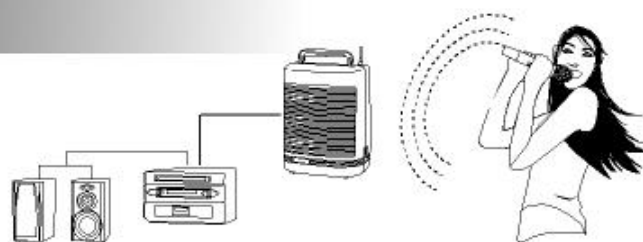


How to adjust the TONE

You may turn the Tone knob to its best position for your satisfactory.

How to connect recording system to the amplifier system

Audio output will go to the recording system and you can record while using the amplifier system.



How to adjust the volume

The speaker volume control will adjust the amplifier volume to its best sound level.

How to use the multiply volume

In order to multiply volume, a or two wireless microphones with several wireless amplifiers of the same frequency can be applied to receive simultaneously in circumstances of large hall or stadium for hundreds or thousands of persons.

How to charge the battery built in?

1. It is recommended to charge the battery for the first time use for 12 hours.
2. Turn the main switch to "Charge" and the battery will be charged with a consistent current and voltage.
3. The charging indicator will change to from bright to dim with the battery charging, the LED will die of when the battery is fully charged. When the battery is getting low, you will hear a buzz reminder from the system, asking you to charge the battery immediately. Recharge the battery over 8 hours before you are going to use it. When it is full charged over 8 hours, it can operate for 6 hours.

Caution:

1. If the battery is over discharged, the LED will not work till the battery is rejuvenated. When the voltage is less than 210V, the "CHARGE LED" will not light. When the voltage is more than 230V, "CHARGE LED" will keep light and it is normal. You have to charge the battery when the built-in alarm warns you to charge the battery.
2. If you do not use system for 90 days, we recommend charging the system every three months over 8 hours.

Trouble shooting

If you have any problem with the system, please check the main power and batteries for microphone sets and rechargeable battery built-in. If you are using a new 9V battery, please make sure you have put it in a correct polarity.

For the following problems:

Screaming from the speaker

1. Please adjust the speaker volume to the minimum.
2. Adjust the transmitter volume control to a low level.
3. Change the speaker direction to avoid direct feedback.
4. Turn the TONE to the lowest level.

When you low the volume to a level that no feedback can be heard.

Noise or abrupt stop

1. Check the accumulator to see if it is low in voltage.
2. Built-in Battery low, please use AC power instead to power the system.

3. Check the cable connection to the speaker. The cable might be broken after a long time use.
4. Possible frequency interference with local transmission. Please contact the dealer to change channels for better reception.

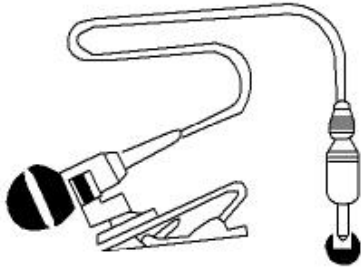
No voice heard

1. One of the powers is not turned, please check all power source and make sure they are all on.
2. The volume control knobs are turned to lowest level. Make sure they are proper in sound.
3. Lavalier cables are broken after a long time use.

Take out the 9V battery to avoid its acid damaging the components of the transmitter if you are not going to use it for a period of time.



Options of accessories



Lavalier Microphone



12V/2.2AH
rechargeable
battery



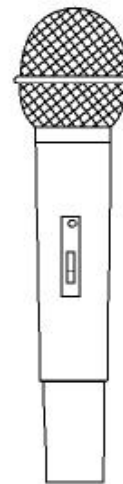
Lavalier wireless Mic
with transmitter



Haversack



Headset Microphone



Handheld
wireless MIC

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