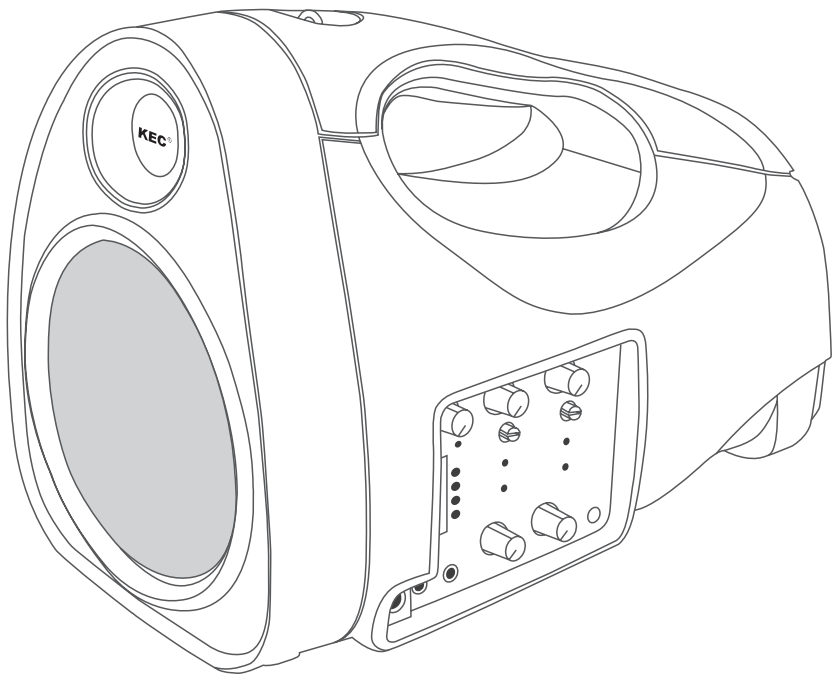


### WPA-3516 UHF Series

### Hand-carry or Shoulder-carry Wireless Portable Amplifier Speaker



[www.kecinnovations.com](http://www.kecinnovations.com)



**RoHS**  
conform



CE06810 R&TTE WEEE ISO 9001



## WARNING

### Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

**FCC Caution:** To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example use only shielded interface cables when connecting to computer or peripheral devices).



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

**WARNING** :To prevent fire or electric shock, do not expose this equipment to rain or moisture.

### EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.

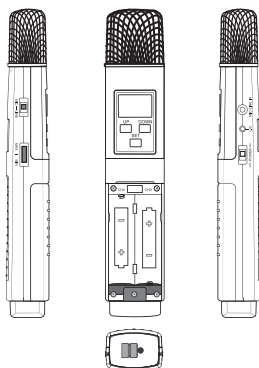


The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.

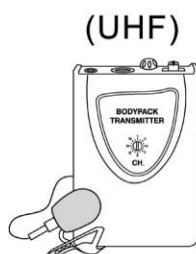


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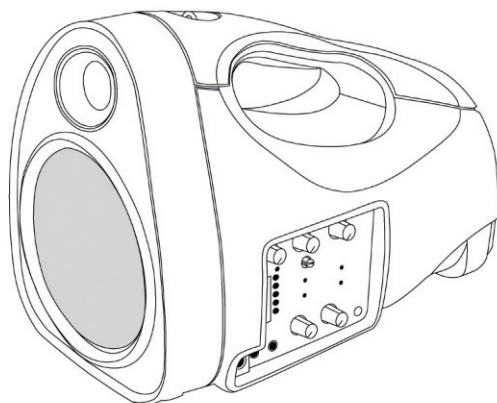
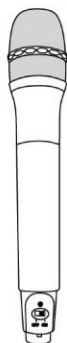
(UHF)



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(UHF)



## ➤ Introduction

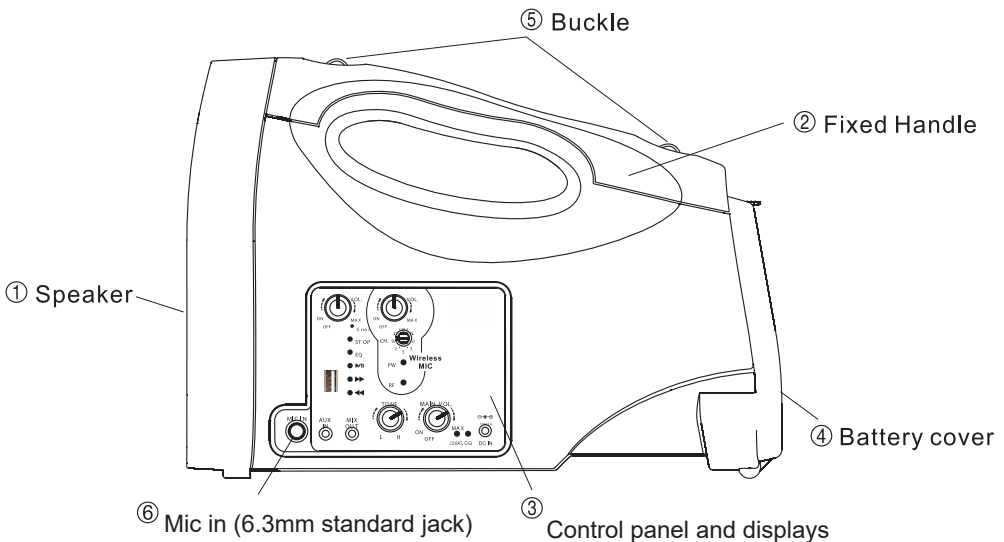
Thank you for purchasing WPA- 3516 Series UHF PA Speaker. With proper care, this speaker will provide many year satisfactions. Therefore, please read this user manual carefully before using the device and also keep this manual for future needs.

WPA-3516 works with both voltage standard (AC 100-240V). It is a simple and aesthetic design with robust materials, which makes it strong, waterproof and resistant to wear and tear. Besides that, it is lightweight and yet, the sound is clear, excellent and quality. It includes rechargeable lithium battery (14.4v/2.6ah), which can be used for up to 8 hours without charging but it depends on the volume. It could take about 4.5 hours to be fully charged.

WPA-3516 is ideal application for Classroom, Office, Conference, Places of worship, Music hall, Lecture hall, Broadcasting, Indoor/outdoor gatherings, Company tours and Tour guide. It can also connect to another amplifier/speaker.

The WPA-3516 provides stable and anti-interference 16 channels for use. It also supports USB but it is optional.

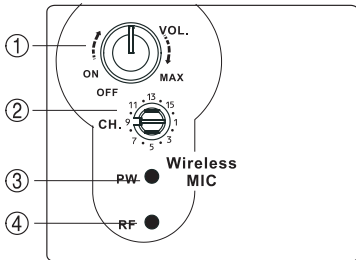
## ➤ Controls and indicators



# WPA-3516 UHF PA Speaker

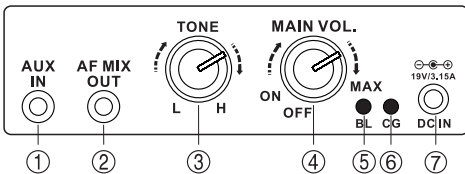
## ➤ Operational instruction (UHF)

### A. Wireless Receiver Module (WPA-3516/U1, WPA-3516/USB/U1)



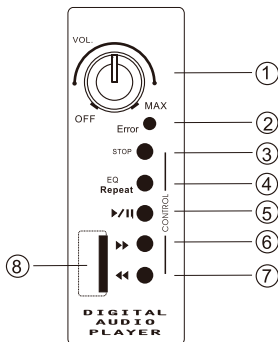
1. Microphone Power Switch on/off and Volume Control : Turn clockwise past the click for power-on and volume control.
2. Channel Selector: There are 16 channels available and channel can be set from 1 to 16.
3. Microphone Power Status : LED is lit when the power is on, and vice versa.
4. RF Signal Indicator: LED illuminates when the device receives RF signal from microphone, and vice versa.

### B. Control Panel (WPA-3516/U1, WPA-3516/USB/U1)



1. 3.5 mm Audio Input Jack : For USB-MP3/CD/DVD/TAPE devices.
2. 3.5 mm Mixer Output Jack : For external recording or connecting to another PA system.
3. Tone Control : Turn clockwise for desired tone.
4. Device Power Switch on/off and Main Volume Control : Turn clockwise past the click for power-on and volume control.
5. Device Power Status: LED is lit when the power is on, and vice versa.
6. Charging Status: LED illuminates when the device is charging.
7. DC IN/ DC Power Input Jack : connects to DC 19V, 3.15Ah.

### C. USB Port and audio Control Panel



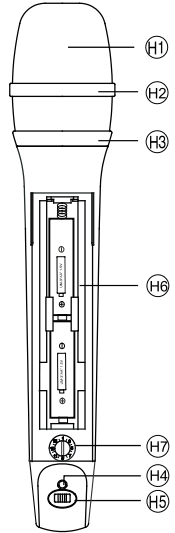
1. Power Switch on/off and Volume Control : Turn clockwise past the click for power-on and volume control.
2. Error indicator : LED blinks when devices cannot recognize USB device or access audio files.
3. Stop Button : Stop track.
4. EQ/Repeat Button : Pressing the button, it can switch to different equalizer effect and there are 6 equalizer effects to opt, which are natural/ jazz/ pop/ classic/ rock/ country. Also, Pressing the button for 3-5 seconds to switch the repeat mode and it is in the following sequence : single track repeat/folder repeat/ all track repeat/ random track play/ turn off repeat mode.
5. Play/Pause Button : Play or pause track.
6. Forward Button : Skip to next track or hold the button to fast-forward track.
7. Backward Button : Revert to previous track or hold the button to rewind track.
8. USB Port : Plug a USB Type -A connector to play audio files.

# WPA-3516 UHF PA Speaker

## ➤ UHF Transmitters (Optional)

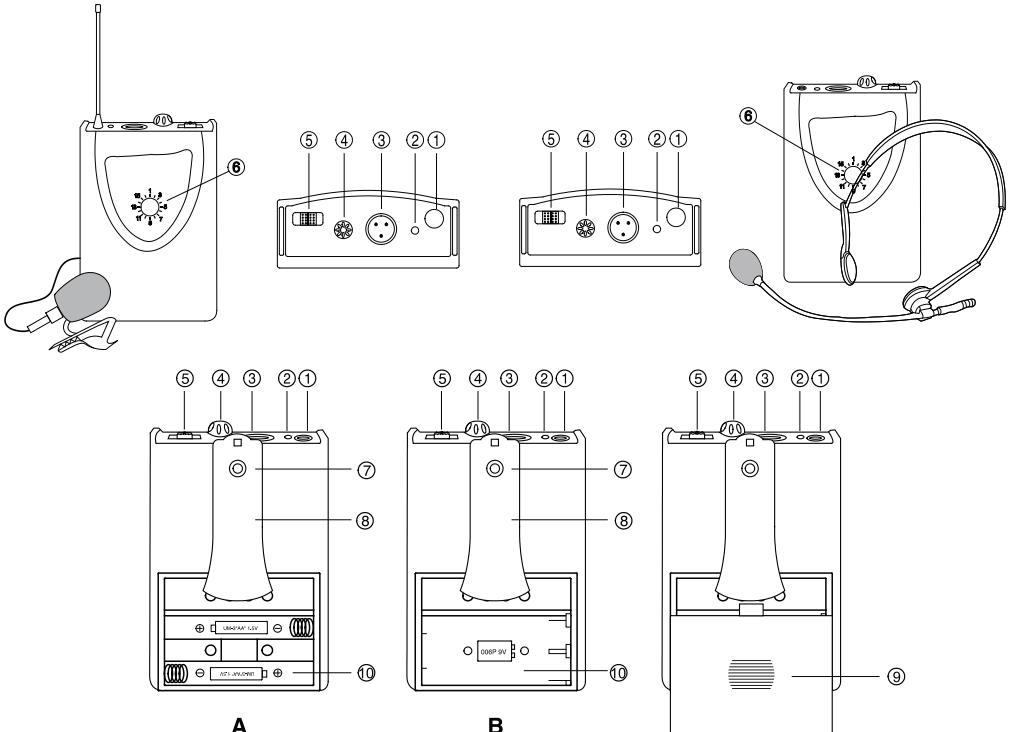
### A. Wireless handheld microphone

- H1. Microphone ball head: Prevent dynamic capsule from any damage.
- H2. Dynamic capsule: Uni-directional type.
- H3. Aluminum neck ring.
- H4. Battery status: Glows green indicates the microphone is on and glows red indicates you need to replace the battery.
- H5. Power switch on/off.
- H6. Battery compartment : 2 pieces 1.5V battery.
- H7. Channel Selector: There are 16 channels available and channel can be setted from 1 to 16.



Note: Take out batteries if you plan to leave the microphone unuse for a long period of time and switch the power off.

### B. Body-pack transmitters



1. ¼" External antenna jack.
2. Battery status : Glows green indicates the transmitter is on and glows red indicates you need to replace the battery.
3. Mini XLR microphone input jack.
4. Volume control : control the volume level and adjust to desired volume.
5. Power switch on/off.
6. Channel Selector: There are 16 channels available and channel can be set from 1 to 16.
7. Battery Compartment : 2 pieces 1.5V battery or 2 pieces 1.2V rechargeable battery.

Note: Take out batteries if you plan to leave the body pack transmitter unused for a long period of time and switch the power off.

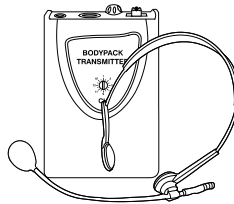
## Body Pack Transmitter with Matching Microphone

### A. Tie Clip Microphone



Tie Clip Microphone  
● BM-306 (3 pin)

### B. Headworn Microphone



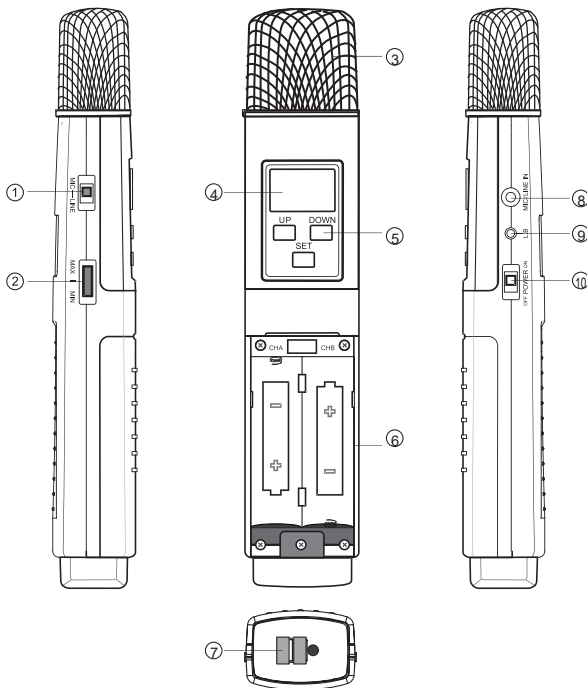
Headworn Microphone  
● HM-22 (3 pin)



## C. Wireless handheld microphone

1. Function selections : switch on Mic when use input/output Mic or switch Line on when use audio input.
2. Sound volume control : volume runner up(louder)/down.
3. Built-in microphone.
4. LCD display.
5. Channel selections : channel up/down selection.
6. Battery Compartment : 2 pieces 1.5V battery or 2 pieces 1.2V rechargeable battery.
7. Recharge joint.
8. Output Mic/Line in jack.
9. LED Power display
10. Power switch on/off.

Note: Take out batteries if you plan to leave the microphone unused for a long period of time and switch the power off.



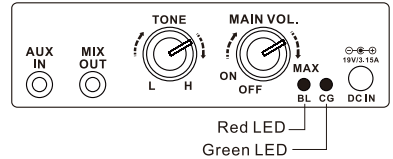
# WPA-3516 UHF PA Speaker

## ➤ Battery Charging and Maintenance

### A 、 Charging (Refer to figure 1 )

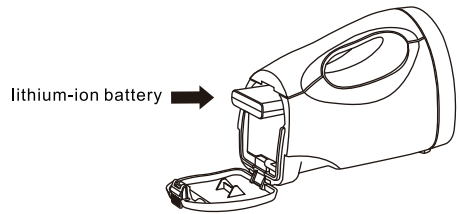
1. The device is charging: CG indicators (glows green) is flashing  
The device is fully charged : CG indicator (glows green) will remain lit.
2. Battery is running low while using the device :BL indicators (glows red) is flashing  
Battery is sufficient while using the device:BL indicators (glows red) will remain lit.

Figure 1



#### Notes:

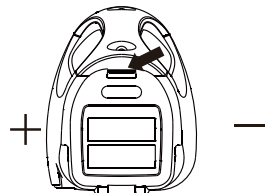
- 1) It is safe for using WPA-3516 while charging.
- 2) WPA-3516 will shut down when the battery gets way too low. Hence, when this happens, user should replace the battery or charge the device immediately.
- 3) Please do not use the battery other than SENRUN's.
- 4) Be sure to use the specified type of battery.



### B 、 Maintenance

1. Lead-acid battery's positive pole is marked red (+) and the negative pole is marked black. When Inserting the battery into battery compartment, note the correct polarity as figure 2 shown below. WPA-3516 will not turn on if the batteries are incorrectly installed.
2. If the battery is not in use, WPA-3516's power should be switched off.
3. Battery discharge naturally according to a certain pattern even not in use. For best performance and a prolonged lifespan, it should be recharged/discharged every month even when not in use.

Figure 2



※ Lead-acid battery's positive pole is marked red (+) and the negative pole is marked black. When Inserting the battery into battery compartment, note the correct polarity

#### Note:

Battery is considered as consumable parts; thus, it is not under warranty.

## ➤ Cautions and Recommendations

1. To performance sound its best, we suggest WPA-3516 should be 1~1.5 meter above the ground and it works great with tripod stand.
2. When microphone and USB are not in use, switching off the power could make the battery last longer.
3. It is normal that the bottom of device is hot when it has been used over 30 minutes with high power output. If user requires higher power output to apply in large venue, we suggest you can connect one or many speakers/amplifiers to volum up the sounds. (e.g.  $35W*2=70W$ ;  $35W*4=140W$ )
4. Unauthorized modification would make WPA-3516 no longer under warranty. Thus, if there is problem with it, please send back to authorized distributors or SENRUN.
5. Avoid locations exposed to the direct sunlight, high temperature and high humidity when operating the WPA-3516.
6. Handle WPA-3516 with care as it can be damaged if dropped or crush.
7. Power supply voltage should not be less than 100V and not higher than 240V



# Specifications

Product Code	WPA-3516/U1, WPA-3516/USB/U1
Carrier frequency range	UHF600~960MHz
Sensitivity	12dBuV
Oscillation mode	PLL Synthesized(16 Channel)
Speaker	5 1/4" 4Ω full range loudspeaker
Deviation range	UHF:±40KHz
Audio inputs	USB port (optional) / 3.5Ø Line in Jack / 6.3Ø microphone jack
Power output	50W 4Ω Load
Frequency response	50Hz - 22 KHz±3dB
Matching microphone	Wireless Hand-held Transmitter: UH-916
T.H.D	< 1%
S/N ratio	>90dB
Power supply	Built in 14.4V/2.6Ah Dismantable Lithium battery x 1, and 19V DC/2.63A/100~240V AC switching power
Charging time	Approx. 4.5hours.
Operating time	UP to 2-8 hours continous use (Depending on the volume)
Dimension(m/m)	290(D) x160(W) x210(H)mm
Weight (with battery installed)	2.2 Kgs (Lithium battery)
Accessories	<p>Standard accessories:  Switching power supply, instruction manual, storage bag,  Shoulder strap,wireless microphone+3V batteries *2 pieces.</p> <p>Optional accessories:  Body pack transmitter (UBP-916) with tie-clip microphone,  Body pack transmitter (UBP-916) with headworn microphone.</p>

Notice: specifications are subject to change without notice.

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