



# USER MANUAL

True Diversity UHF Wireless Microphone System



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Thank you for choosing our productions, please read the manual carefully before using.

Please contact the local dealer if any doubts.

## Transmitter infrared frequency description:



1. Press "POWER" button of receiver and handheld microphone, press "IR" button on the receiver, LCD screen will display "-----" status and IR Window red light will twinkle.
  2. Put handheld microphone IR port at the same level to receiver IR port, face to face, keep distance within 30cm.
  3. If handheld microphone frequency is same as receiver, it means frequency sync operation is successfully.
- Remark : If frequency sync fail, please repeat above steps.



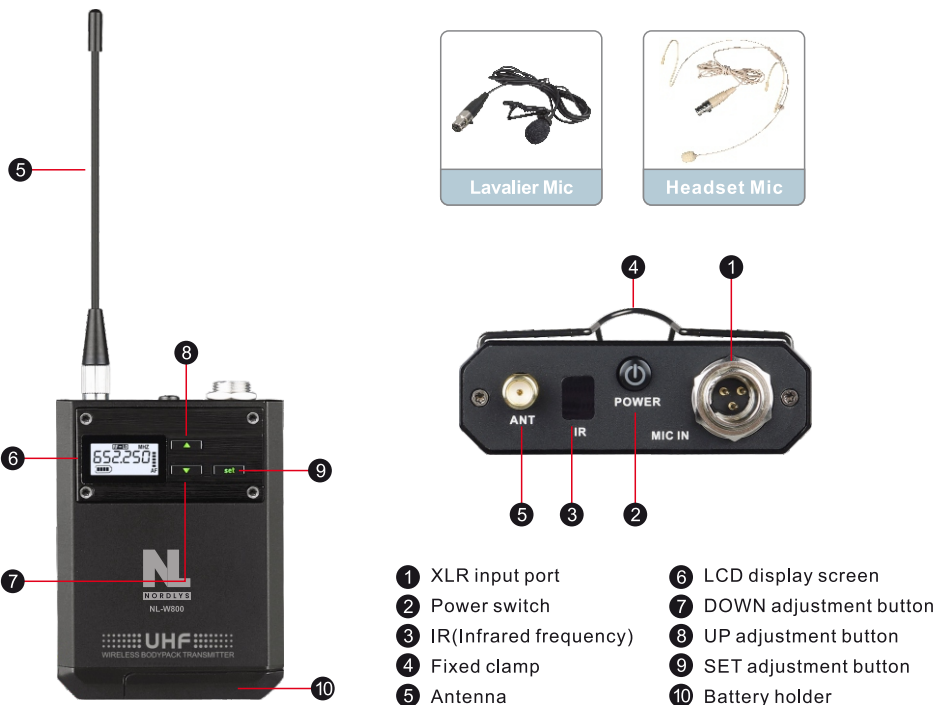
1. Press "POWER" button of receiver and body pack, press "IR" button on the receiver, LCD screen will display "-----" status and IR Window red light will twinkle.
  2. Put body pack IR port at the same level to receiver IR port, face to face, keep distance within 30cm.
  3. If body pack frequency is same as receiver, it means frequency sync operation is successfully.
- Remark : If frequency sync fail, please repeat above steps.

## ⚠ Safety precautions ⚠

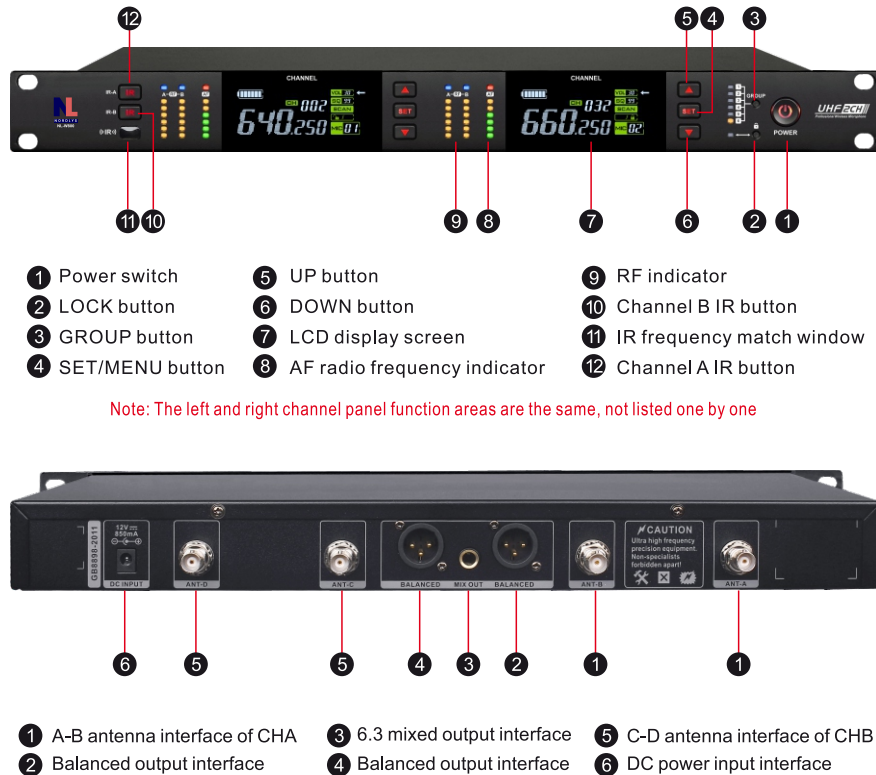
- △. For full ventilation, the minimum clearance around the equipment is 10cm;
- △. Ventilation holes should not be covered with articles such as newspapers, tablecloths, and curtains to impede ventilation;
- △. No exposed flame source, such as lighted candles, should be placed on the equipment;
- △. There should be no water drops or splashes on the equipment, and there should be no objects filled with liquid, such as vases, placed on the equipment;
- △. Do not let broken wire, iron powder, water, etc. into the case. Otherwise there is the danger of fire and malfunction.
- △. In the installation, removal and wiring of this machine, be sure to cut off the power supply. Otherwise there will be a risk of electric shock.
- △. Do not disassemble the machine. Otherwise, a failure will occur.
- △. Please use the machine in the range of service conditions (temperature, humidity, vibration, direction of installation, environment, etc.) specified in the specifications. Otherwise there is the danger of fire and malfunction.
- △. Please correctly wire the machine according to the standard wiring, specified power supply and construction method. Otherwise there will be electric shock, fire, fault risk.
- △. Terminals marked with a hazard warning sign "⚡" on the equipment are warnings of dangerous live life. External leads connected to these terminals need to be installed or used by a directed person with ready-made leads or flexible wires.



# Body pack introduction



# Receiver introduction

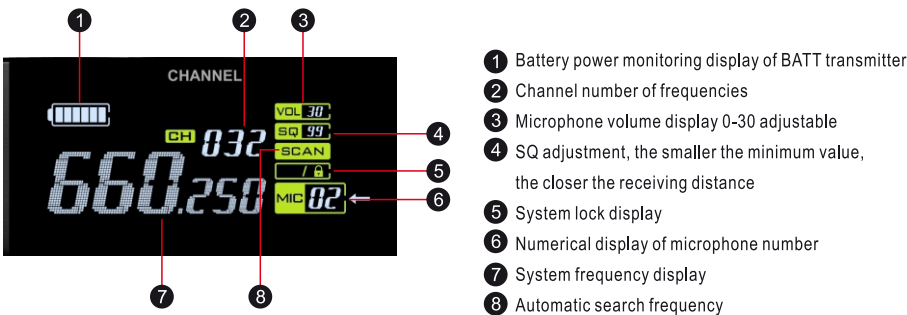


# System technical parameters

**Technical parameters of receiver:**  
Frequency range: UHF 610-670MHz  
Channel number: 200 × 2  
Frequency stability: 0.002ppm  
Receiving sensitivity: - 100dB  
Audio frequency response: 60Hz-18KHz (± 3dB)  
Harmonic distortion: < 0.5%  
SNR: > 105dB  
Dynamic range: 105dB  
Maximum frequency offset: ± 48KHz  
Spurious suppression: ≥ 75dB  
Audio output: balanced output and unbalanced output  
Power supply: 12-18V DC / 1000mA

**Technical parameters of transmitter:**  
Frequency range: 610-670MHz  
Maximum channels: 200 × 2  
Output power: 5MW / 30MW  
Sidewave suppression: > - 70dB  
Bandwidth: 60MHz  
Maximum modulation depth: ± 48KHz  
Frequency response: 60-15KHz  
SNR: > 105dB  
Distortion: < 0.5%  
Input voltage range: mic1vMax  
Power supply: 2 × 1.5V (AA)  
Battery life: 10h

# Receiver screen display





## Menu description of receiver system



**System menu 1: Adjust frequency by hand**  
Press "SET" button one time, frequency number on LCD screen will twinkle, then press ▼ or ▲ button to change or adjust frequency. Total has 100 channels and bandwidth is 25MHz can adjust to use. When IR operation is finished, system will automatically lock after 3 seconds, then can begin to use transmitter for IR operation.



**System menu 2: Receiving distance adjustment**  
Press "SET" button twice, SQ will flashes, then press UP or DOWN button to adjust SQ. The maximum value is 95 (ideally, receiving distance is about 150 meters). The minimum value is 68 (ideally, receiving distance is about 60 meters). The higher the value is, the farther the receiving distance is. Please flexibly set the receiving distance value according to working environment. Note: the larger the receiving distance is, the more interference sources is.



**System menu 3: Search frequency automatically**  
Press "SET" button three times, "SCAN" will flicker, then press ▼ or ▲ button to search frequency. System can automatically search the least disturbed frequency and lock it. This process is about 40 seconds, don't turn off receiver POWER or press other function keys during frequency searching, then put transmitter IR Window and receiver IR Window on a straight line to finish IR operation.



**System menu 4: Microphone number**  
Press "SET" button four times, MIC will flashes, then press UP key or DOWN key to number. The maximum number is 99, please number the microphone according to actual demand.



**System menu 5: Electronic volume adjustment**  
Press "SET" key five times, VOL will flashes, then press UP key or DOWN key to adjust electronic volume. The highest volume is 30 and the lowest volume is 0. Please control the volume flexibly according to working environment.



**System menu 6: Stacking and marshal function**  
Press "GROUP" key to marshal. There are six sets of frequencies have built in. Please group them according to actual using occasion. Maximum 6 sets of receivers can use at same time same place.



**System menu 7: System lock key**  
Press "LOCK" key to lock system (the lock icon on the right side of display screen means system is on lock status). After locking, all function keys cannot be used, but it does not affect the transmitters which are on working. If need unlock, press the system LOCK key again (the unlock icon on the left side of display screen means system is on unlock status).



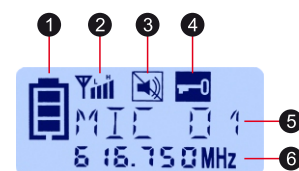
### LCD Display Screen Dual Color Indication

1. When microphone is turn off, receiver display screen is red. It indicates system is in standby status, and no microphone signal is received.
2. When turn on microphone, receiver display screen is white. It indicates system has received good signal and is on normal working.

## Hand-held Transmitter:



- 1 Protection net head
- 2 LCD display
- 3 Infrared matching window
- 4 Menu key
- 5 Frequency DOWN key
- 6 Frequency UP key
- 7 ON/OFF key
- 8 Dynamic Cartridge Capsule
- 9 Battery compartment
- 10 Battery cover



- 1 Battery level display
- 2 Transmitting high and low power display
- 3 Microphone mute display
- 4 Microphone lock display
- 5 Working channel display
- 6 Working frequency display

## Intriduction of handheld transmitter



**System menu 1: Adjust frequency by hand**  
Press "Menu" key one time, frequency number on LCD screen will flicker, then press ▼ or ▲ button to change or adjust frequency. Each handheld microphone has 200 channels and bandwidth is 50MHz can adjust to use.



**System menu 2: Sensitivity adjustment**  
Press "Menu" key twice, VOL in display screen will flicker, then press ▼ or ▲ button to adjust sound sensitivity of the microphone. There are 3 sound levels can be adjusted: VOL1, VOL2 and VOL3. This setting can be understood as adjusting the volume of microphone.



**System menu 3: Transmitting power adjustment**  
Press "Menu" key three times, RF on the display screen and the above signal will flicker at same time, then press ▼ or ▲ button to adjust transmitting power. Total has four grids of signal, two grid signal means low power L, four grid signal means high power H, and factory default setting is high power H.



**System menu 4: System lock key**  
Press "Menu" key four times, LOCK on the display screen will flicker, then press ▼ or ▲ button to lock or unlock the microphone. When microphone is locked, can not turn off, adjust frequency and change other functions.