WIRELESS MICROPHONE SYSTEM

User's Manual

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Preface

Because of the excellent and skilled in manufacture technique of wireless, the wireless sytem can be your best choice.

The newly UHF wireless system uses the up-to-date PLL synthesized technology, can bate the interferential signal.

And using automatic signal-selected receiving mode can reinforce the reception of the receiver, avoid break off signal.

It's the firm and durable material of the microphone head. With high influence, wide frequency response, the tone is clear and silvery.

Thank you very much for purchasing our products.

Our company proudly presents this high-technological professional microphone to music lovers as a further proof of our company's pursuit of the ultimate in sound quality. The high quality performance and easy operation are certain to provide you with happy hours of listening and singing pleasure.

Specifications of this system

1. High precision PLL synthesized technology, UHF dual channel automatic signal-selected receiving system
2. The receiver has two channels. There are eight mnemonic channels and 1280 frequencyies in each channel. The mnemonic channel can keep the frequency which you have set before in each channel, covenience for using.
3. The system frequency is 785.1MHz-811MHz.
4. The perfect design of the exterior, fit for the 19 inches audio equipment chest, the detached antenna is easy for connect and take down.

5. Wide and clear LCD, can display RF, AF incoming signal level and other function.
6. Ascendant selectivity, can avoid interfere each other when use many sets at the same time. There is SQELCH in the receiver, using for the complicated surroundings.
7. The battery of MH-502 transmitter is 1.2V NI-MH rechargeable battery. The rechargeable battery can be used for 8 hours.
8. The perfect indication circuit can shows you the state of the bttery.
9. The receiver can be set by system or direct by manpower.
10. The blance and imbalance output, can connect the mixed and amplifier.
11. 10~150 meters receiving distance.
12. Suitable for the stage, nigtclub, disco, meeting room, classroom, and the family Karaoke entertainment.


UHF DUAL CHANNEL RECEIVER


UHF DIVERSITY RECEIVER

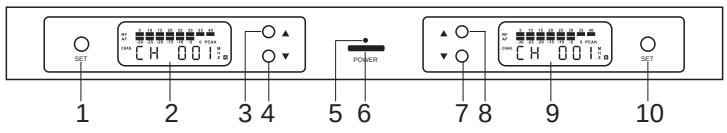

UHF DIVERSITY RECEIVER

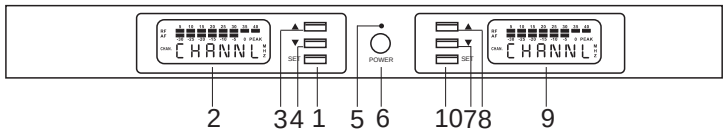

UHF DIVERSITY RECEIVER

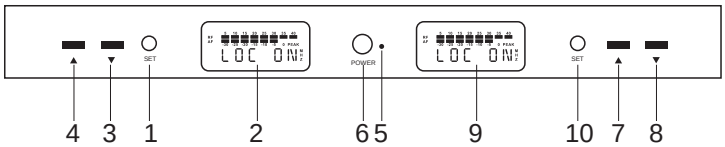
The user guide of the Receiver

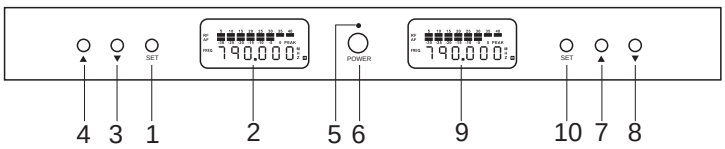
A. Part manes and their functions

Front



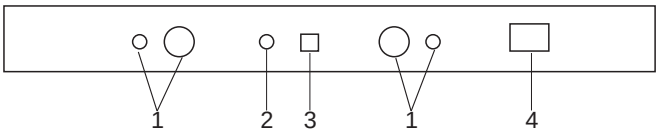






1. CHA Function Key
2. CHA LCD Indicator
3. CHA up select Key
4. CHA down select Key
5. Power indicator light
6. Power Switch
7. CHB up select Key
8. CHB down select Key
9. CHB LCD Indicator
10. CHB Function Key

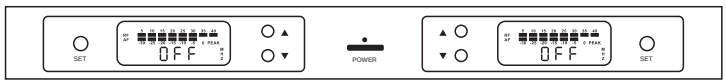
Back



1.Independent Audio Output Connectors: There is a separate balanced XLR connector and unbalanced 1/4-inch phone jack for each channel.
2.Mixed Channels Audio Output Connector: An unbalanced, 1/4-inch phone jack connector mixes both channels into a single output.
3.Power input connector: Connects to a PS20(120Vac) or PS20E(230Vac) power adapter.
4.Alternating current jack: can use for 110V-230V.

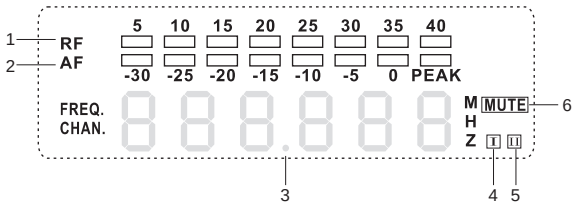
B. The installation of the receiver

1.Put the two antennas into the socket A B at the back panel separately in a vertical (990) angle.
2.Put the power plug into the power socket at the back of the machine (NOTE: The power supply must comply the requirement of the system).
3.Turn volume smallest. Press the power switch for 1~2 seconds and then relax. At that time, LCD appears normal picture.
4.Adjust all the function key for ready position you want (See the description LCD or the control panel).
5.After using press the power switch for 2~3 seconds and the power stops. The picture of LCD disappears automatically.



C. LCD Control Panel

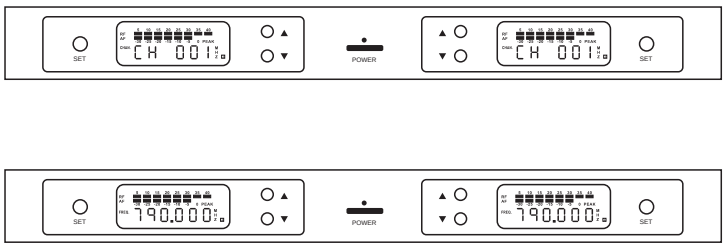
Turn the power on, LCD appears as below:



1. RF Indicator
2. Audio Frequency Indicator
3. Signal Channel Indicator
4. A Receiving Channel Indicator
5. B Receiving Channel Indicator
6. MUTE Indicator

The names of the Buttons and their functions:

1. Button "SET" for menu solution and Definition. Press this buttorn for changing what you want. First press"▲" or "▼" for solution and then press "SET" for definition.
2. "▲" or "▼" Button, for adjusting or selecting the present menu statue indicating.
3. Operating step of button "SET":
   Signal Channel indicating adjustment Frequency sensitivity adjustment (SQELCH) signal channel soultion Adjustment for system's locked statue,
   (a) Channel Indication and Menu Adjustment.
   Press "SET" button to make LCD indicate as below:



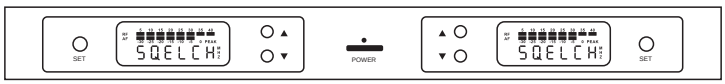
(NOTE: No matter which screen appear as above depend on the signal channel solution functions)

The menu indicates the present receiver's working frequency or signal channel (They can be changed by menu solution) press "▲" or "▼" to change the present signal channel or frequency. After changing, please press "SET" for definition. Otherwise, solutions do not effect. The system still works as previous solution.

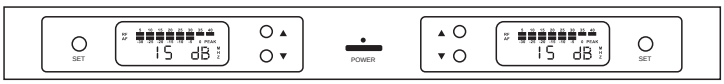
If you've selected the new channel or frequency and haven't pressed "SET" for definition, LCD will flash for reminder after 2~3 seconds. And then press "SET", LCD stops flashing.

(b) Sensitivity Adjustment menu (SQELCH):

Press "SET" to make LCD indicate as below:



After the above screen is on , waiting for 2~3 seconds, the screen appears as below:



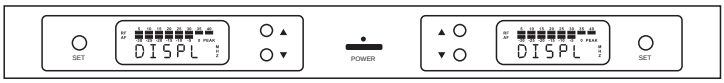
This menu is for adjusting sensitivity (It is also called Mute Control). It is used strengthening the system's capacity of preventing disturbing. The range of adjustment is 0~40dB. Bigger numerical value, lower sensitivity. Nearer distance, stronger capacity of preventing disturbance. On the other hand, smaller numerical value (Minimum 15dB), Higher sensitivity and farther distance, but the capacity of preventing disturbance will reduce. Usally, the normal setup is 20dB. (Factory setup is 15dB).

Press "▲ " or "▼" to change the data: After changing, please press "SET" to conform. Otherwise, it won't effect and the system remain in the precious statue.

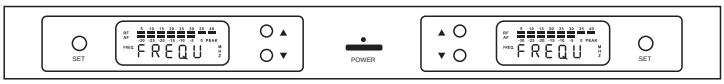
If the data is changed and you haven't pressed "SET". LCD indicates flash as a reminder after 2~3 seconds. After you press "SET", LCD stops flashing.

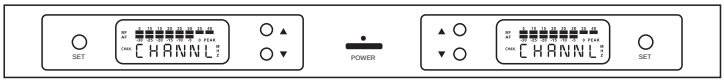
(c) channel soultion menu:

Press "SET" to make LCD indicata as below:



Then after 2~3 seconds, LCD Indicates as below:





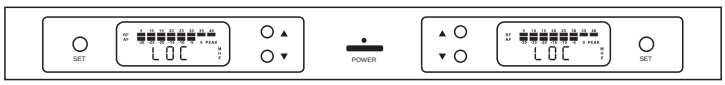
(NOTE:That which is shown as above depends on your previous setup).

This menu function is for indicating signal channel soultion. It is shown as frequency or numerical value. When press "▲" or "▼", LCD indicates two modes as "Channer" or "Frequency". If you select channel, channel is shown as unmerical value; If you select "Frequ", it is shown as actual working frequency. After selecting, you must press "SET". Otherwise, your solution doese not effect. And system indicates previous setup.

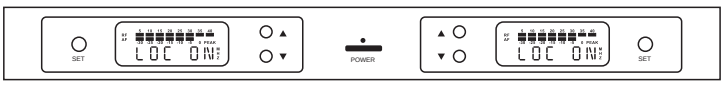
After you change and you don't conform, LCD indicates flash as a reminder after 2~3 second. Press "SET" and flash stops on LCD.

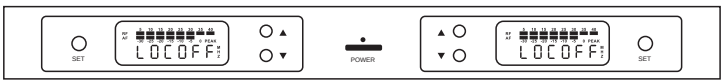
(d) System lock menu:

Press "SET" to make LCD indicata as below:



The screen is shown as below after 2~3 seconds:





(NOTE:No matter which screen is shown, it depends on the previous setup).

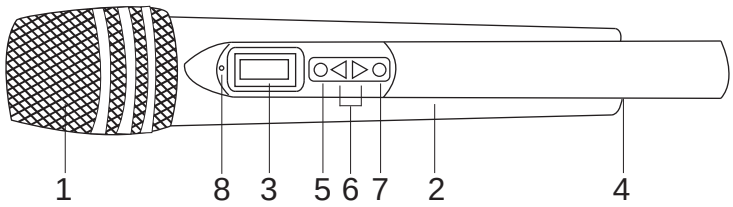
This menu function is if the working statue of the receiver is locked (Channels, Sensitivity, Indicator Solution and Power Switch). If it is in locked stantue "LOC ON", you can't change the present various working staute you have set, and you can't turn off the machine; if it is not in locked statue "LOC OFF", you can change all the functions of the menu.

While pressing "▲" or "▼", you can change the original statue, please press "SET' to definite. Otherwise, setup will not effect.

After you have changed original statue and have not pressed "SET" to definite, it will remind with flash after 2~3 seconds. After pressing "SET' , LCD will stop flash.

Description of the transmitter

A: The part manes and their functions:



1. Steel net-head mould
2. Microphone handhold
3. LCD screen
4. Function key
5. Function affirm key
6. Up and down selecting key
7. Power switch
8. Working indicator light

B.The in setup of Handheld transmitter

Press the power switch for 1 second and then relax. At that time, LCD appears normal mode. when the indicator light brightiny, the transmitter can work.The LCD appears the degrce of the battery [BAT 790.000] Full shows 8 puints, middle shows 4 puints. the end shows 1 puint. (please chanye the battery)

There are four main menus.

1. The main screen(DISPL): the screen is on [DISPL] when press "SET" , the screen appears [FREQ] or [CHAN] soon. If want to set the frequency, please press "▲" or "▼", the screen appears [CHAN] twinkling, press "SET", and then the screen appears the frequency. If want to set the channel, please press "▲" or "▼", the screen appears [CHAN] twinkling, press "SET", and then the screen appears the channel.

2. Volume setup(SNESIT):Press "SET", the screen appears [SNESIT] , [0dB] and [-30dB] ,each charnge is -10dB when press "▲" or "▼".The normal is:+30dB/-20dB for perform, -20dB/-10dB for generic speaking, -10dB/0dB for interview.

3. There is when press "▲ " or " ▼" there is 1-16 channel for choosing. And press "set" other setup the channel.

4. Lock setup(LOCK): Press "SET", the screen appears [LOC OFF] or [LOC ON] after appears [LOCK] .If need to lock the key, please press "▲" or" ▼ " ,when [LOC ON] twinkling, press "SET" again. If need to release key, press "SET" the screen appears"▲ " or "▼" twinkling after appears [LOC OFF] press "SET" again.And then you can go on setup other functions.

Technical features:

A:System feature:

1.Frequency setup mode:PLL

2.Frequency range:705.000MHz-805.000MHz

3.Modulation Mode:FM

4.Maximum Frequency Deviation:+45KHz

5.Audio Frequency Response:80Hz~15KHz(+3dB)

6.Comprehensive Distorion: ⩽1%

7.Work temperature:~10℃ ~+40℃

B:Technological Feature of the transmitter:

1.Transmitter:20~30mW

2.Image controlment:-50dB

3.Battery:9VX1(MH-503); 1.5VX2(MH-502)

4.Super-cardioid shaking

C:Technological Featurn of the Receiver:

1.Sensitivity:12BuV(80dB S/N)

2.Sensitivity Adjustment Range: 12~32dB BUV

3.Stray Control:>75dB

4.Output Level: Balance Output:0~0.5V/600

Sound output:0~0.5V/5K

5.Power:12~16V DC

6.Work Current:300mA

Display Instruction:

Display	Transmitters	Receivers
SEnSit	Senstivity adjusting	
S Q E L		SQ adjusting
DISPL	Content choice menus	Content choice menus
CH	channel choice(1-16)	channel choice(1-16)
FREQU	Frequency display	Frequency display
Lock	The lock key com prevent error choice from the performance	The lock key com prevent error choice from the performance
Service:	The lock key com prevent error choice from the performance	The lock key com prevent error choice from the performance

Problem checking	
Problem	Cause
Digital display is not lighted	The battery is end/It has not been contact the electricity
RF indicator is not lighted	(1)The transmitter frequency is difference from receiver (2)The transmitter is out of work range
AR indicator is not lighted	(1)The mute key turn on (In the bottom of the transmitter) (2)The SQ is too high
Have noise and the radio noise	(1)The senstivity of the transmitter is too low. (2)The Audio output of the receiver is too low.(In the back of the receiver)
AR signal distortion	(1)The senstivity of the transmitter is too high. (2)The Audio output of the receiver is too high(In the back of the receiver)