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Professional True Diversity Frequency Agile UHF Wireless Microphone System

Profesional UHF Sistema de
Micrófono Inalámbrico

Kingdom V7000 Series Instruction Manual

For V7000 Series Channel Variants:
(4 Mic Systems, 2 Mic Systems, and 1 Mic Systems)

Please read and keep for future reference.

Congratulations on Purchasing a Kingdom® Wireless Microphone System!

This wireless system is a true diversity frequency agile system which can aid in reduced interference. We hope that you will have trouble free performance and complete satisfaction.

FCC INFORMATION

RECEIVERS: K7000R1, K7000R2 AND K7000R4



THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

TRANSMITTERS:

Handheld	Part #: HHK7000	FCC ID: 2AWPD-HHK7000
Bodypack/Beltack	Part #: BPK7000	FCC ID: 2AWPD-BPK7000

*** CONSUMER ALERT ***

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device.

Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change. For more Information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at www.fcc.gov/cgb/wirelessmicrophones.

NOTE: The manufacturer, distributor, and supplier 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.

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FEATURES & SPECIFICATIONS

Handheld Transmitter (HHK7000)

Specifications

Frequency Response: 60Hz~20KHz
Working Distance: Up to 160 feet
Transmitter Power: Approximately 7mW radiated
Display: LCD

Features

Requires 2 AA batteries (not included)
IR sync capable

Bodypack / Beltack Transmitter (BPK7000)

Specifications

Frequency Response: 60Hz~20KHz possible with beltack. Actual will depend on mic attached. The lapel mic included has a reported frequency response of 60Hz~20KHz.
Working Distance: Up to 160 feet
Transmitter Power: Approximately 7mW radiated
Display: LCD
Beltack Jack: 3.5mm / 1/8 inch lockable jack and 3-pin mini XLR

Features

Lapel mic included
Requires 2 AA batteries (not included)
IR sync capable

Receiver (K7000R1, K7000R2 or K7000R4)

Specifications

Carrier Wave Frequency Range: UHF 542~548MHz and 554~570MHz
Display: TFT LCD
External Wall Wart Power Supply
Output Connectors: Balanced XLR and Unbalanced 1/4 inch (TRS 6.35mm)

Features

IR sync capable
Frequency selection mode
Volume control
Auto scan
Group select

WARNINGS



CAUTION! WARNING!

Risk of harmful electric shock! Do not open the device! Opening may result in serious injury!

Advertencia: Riesgo de un choque eléctrico. No Abra el aparato. El abrirlo puede causar serias heridas.

Opening the device may void your warranty.



Do not dispose of this device by putting in the trash.

Step 1: Put 2 batteries into each of your transmitters. The handheld takes 2 AA batteries and the battery compartment can be located by unscrewing the bottom of the handle. The belt-pack takes 2 AA batteries and the compartment can be located by swinging open the door. See diagrams on page 9.

Step 2: Attach the two antennae to the back of your receiver. Attach by screwing onto the receiver in the proper location. See picture of your receiver on pages 6, 7 or 8 for help with locating the proper location.

Step 3: Connect your sound system to your wireless microphone system using either 1/4" or XLR cables but not both at the same time. You will need to attach 1 XLR cable for each transmitter that you will be operating.

For all receivers, when opting to use a 1/4" cable (instead of XLR cables) then only one 1/4" cable needs to be used per receiver regardless of how many transmitters you are operating with that receiver.

Note: Generally a cleaner more clear sound can be attained by using XLR cables. We highly recommend the use of XLR cables instead of a 1/4" cable with your system.

Step 4: Plug the wall wart power supply into the back of your receiver and then into an electrical outlet.

Step 5: Power on your receiver using the power switch.

Step 6: Power on your transmitter.

Handheld: Push the button in the center of the handheld mic to power it on.

Belt-pack: Power on using the button located on the center left of the front of the belt-pack. Push power button for 3 seconds. See diagram on page 9.

Step 7: Now you must sync your transmitter and receiver to the same frequency or channel. By using the receiver controller on your receiver you can toggle through the various receiver settings and choose the IR sync mode. The receivers allow you to access IR sync mode by simply hitting the button on your receiver that says "IR SYNC".

Note: If you are going to be using more than one transmitter at a time then each transmitter must be set to a different frequency or channel. You can use the receiver controller to select different frequencies (or channels) for

additional transmitters. Choose a frequency or channel for a specific receiver channel and sync the next transmitter to a different frequency or channel than the previous transmitter(s). Refer to the page in this manual that gives instructions for your specific receiver for detailed instructions.

Step 8: Locate the IR Sync window on the receiver. Look for the letters IR Sync on your receiver to locate the window. Please see pictures on pages 6, 7, 8 and 10 to help locate the IR Sync window location.

Handheld Transmitter:

Point the IR Sync window of your transmitter which is the small window on the front of your transmitter facing toward the receiver to within about one half inch of the IR sync window on the receiver. Hold the handheld in this position. When properly aligned the handheld should automatically change frequency to match the frequency of the receiver. See pages 10-11.

Belt-pack Transmitter:

Align the red IR Sync window on your belt-pack to that on your receiver to automatically sync the transmitter to the frequency of the receiver. See pages 10-11.

Note: Frequency display can be found on page 9 for both the handheld and belt-pack transmitter.

Step 9: Make sure the volume knobs on your receiver are turned up to the desired level.

Step 10: Your wireless microphone system should now be operational as long as all your sound equipment is set up properly as well. When you are finished make sure to power off your transmitter and receiver.

For detailed instructions regarding using the IR sync function of your receiver please refer to the IR sync instructions that follow for the specific system that you purchased.

Paso 1: Coloque 2 baterías en cada uno de sus transmisores. El dispositivo de mano lleva 2 baterías AA y el compartimiento de la batería puede ser localizado desenroscando la parte inferior del mango. La caja de la cintura lleva 2 pilas AA y el compartimiento se puede localizar al abrirse la puerta. Vea los diagramas en la página 9.

Paso 2: Conecte las dos antenas en la parte posterior de su receptor. Sujete atornillando en el receptor en el lugar adecuado. Vea la imagen de su receptor en las páginas 6, 7 o 8 para ayudar a localizar el lugar adecuado.

Paso 3: Conecte su sistema de sonido a su sistema de micrófonos inalámbricos utilizando ya sea cables de 1/4" o XLR, pero no ambos al mismo tiempo. Usted tendrá que conectar 1 cable XLR para cada transmisor que va a operar. Para todos los receptores sólo un cable de 1/4" debe ser utilizado independientemente del número de transmisores que se están operando, siempre y cuando no se exceda el número de transmisores que su sistema puede funcionar a la vez.

Note: Generalmente se obtiene un sonido más claro y limpio con el uso de cables XLR. Recomendamos bastante el uso de cables XLR en lugar de cables de 1/4" con su sistema.

Paso 4: Conecte la fuente de corriente de AC en la parte posterior de su receptor y luego a una toma eléctrica.

Paso 5: Encienda el receptor con el interruptor de encendido. Presione el botón de encendido durante 3 segundos.

Paso 6: Encienda su transmisor.

De Mano: Presione el botón en el centro del micrófono de mano para encenderlo.

De Cintura: Encienda con el botón situado en el botón situado en la parte frontal izquierda del dispositivo. Pulse el botón de encendido durante 3 segundos. Vea el diagrama en la página 9.

Note: El aparato de mano dispone de un interruptor de tres posiciones que le permite silenciar el transmisor sin apagarlo, deslice el interruptor a la posición a mitad de camino entre el encendido / apagado posiciones.

Paso 7: Ahora hay que sincronizar el transmisor y el receptor a la misma frecuencia o canal. Al utilizar el controlador receptor en su receptor puede cambiar entre los distintos ajustes del receptor y elegir el modo de sincronización IR. El receptor puede permitirle acceder a modo de sincronización IR simplemente pulsando el botón en el receptor que dice "IR SYNC".

Note: Si va a utilizar más de un transmisor a la vez entonces cada transmisor debe ajustarse a

una frecuencia o canal. Usted puede utilizar el controlador del receptor para seleccionar diferentes frecuencias (o canales) para transmisores adicionales. Elija una frecuencia o canal para un canal receptor específico y sincronizar el siguiente transmisor a una frecuencia o canal del transmisor anterior. Consulte la página de este manual que contiene instrucciones para su receptor específico para obtener instrucciones detalladas.

Paso 8: Localice la ventanilla de sincronización IR en el receptor. Busque las letras IR Sync en su receptor para localizar la ventanilla. Por favor vea las imágenes en las páginas 6, 7, 8 y 10 para ayudarle a localizar la ubicación de la ventanilla de sincronización IR.

Transmisor de Mano:

Apunte la parte frontal del transmisor con la pequeña IR Sync ventanilla en la parte frontal del transmisor mirando hacia el receptor dentro de aproximadamente media pulgada de la ventana de sincronización IR en el receptor. Sostenga el aparato de mano en esta posición. Cuando está correctamente alineado el dispositivo debería cambiar automáticamente la frecuencia para que coincida con la frecuencia del receptor. Vea las páginas 10 y 11.

Transmisor de Cintura:

Alinee la ventanilla de sincronización IR de su aparato de cintura a de su receptor para sincronizar automáticamente el transmisor a la frecuencia del receptor. Vea la páginas 10 y 11.

Note: Visualización de la frecuencia se puede encontrar en la página 9 tanto para el dispositivo transmisor de mano como para el transmisor de cintura.

Paso 9: Asegúrese de que las perillas de volumen del receptor se suban hasta el nivel deseado.

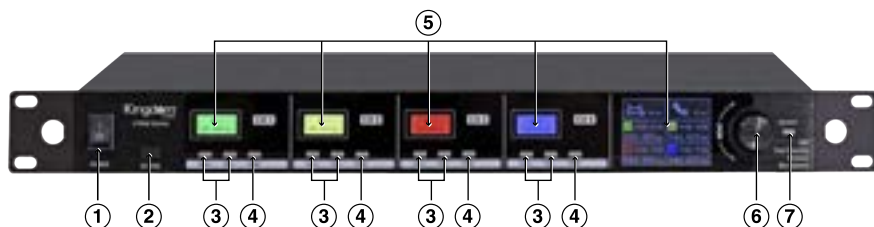
Paso 10: Su sistema de micrófono inalámbrico ahora debería estar en funcionamiento, siempre y cuando todo el equipo de sonido está configurado correctamente también. Cuando haya terminado, asegúrese de apagar el transmisor y el receptor.

Para obtener instrucciones detalladas sobre el uso de la función de sincronización IR de su receptor, consulte las instrucciones de sincronización IR que siguen para el sistema específico que ha adquirido.

Kingdom V7000 Series Mic System

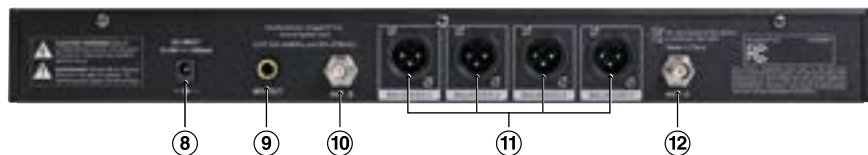
K7000R4 RECEIVER (4CH)

Front Panel



- 1) Power Switch: Turn on and off the receiver
- 2) IR Sync Window
- 3) Volume Control Buttons
- 4) IR Sync Button
- 5) Color TFT LCD Display
- 6) Functions Setting Knob
- 7) Operation Selection Button

Rear Panel



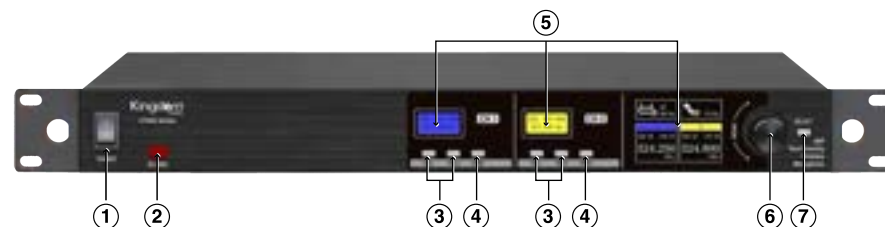
- 8) DC power input
- 9) Unbalanced output: Use 1/4" unbalanced audio cable to connect to the mixer. Note: Never connect both a 1/4" cable and also an XLR cable at the same time to the receiver.
- 10) BNC antenna interface
- 11) Balanced output 1-4*: The XLR socket can be connected with a standard balanced cable to the balanced microphone input of the mixer
- 12) BNC antenna interface

*Must use XLR cables to control channels independently.
Product may differ from photos

Kingdom V7000 Series Mic System

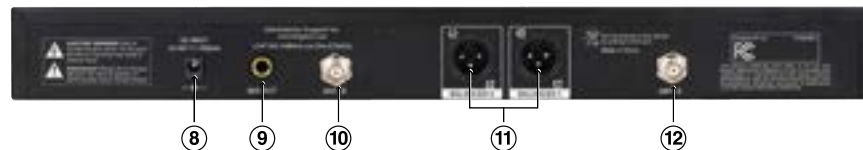
K7000R2 RECEIVER (2CH)

Front Panel



- 1) Power Switch: Turn on and off the receiver
- 2) IR Sync Window
- 3) Volume Control Buttons
- 4) IR Sync Button
- 5) Color TFT LCD Display
- 6) Functions Setting Knob
- 7) Operation Selection Button

Rear Panel

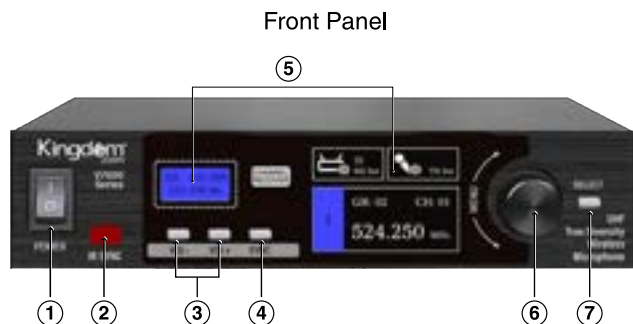


- 8) DC power input
- 9) Unbalanced output: Use 1/4" unbalanced audio cable to connect to the mixer. Note: Never connect both a 1/4" cable and also an XLR cable at the same time to the receiver.
- 10) BNC antenna interface
- 11) Balanced output 1-2*: The XLR socket can be connected with a standard balanced cable to the balanced microphone input of the mixer
- 12) BNC antenna interface

*Must use XLR cables to control channels independently.
Product may differ from photos

Kingdom V7000 Series Mic System

K7000R1 RECEIVER (1CH)



- 1) Power Switch: Turn on and off the receiver
- 2) IR Sync Window
- 3) Volume Control Buttons
- 4) IR Sync Button
- 5) Color TFT LCD Display
- 6) Functions Setting Knob
- 7) Operation Selection Button

Rear Panel



- 8) DC power input
- 9) Unbalanced output: Use 1/4" unbalanced audio cable to connect to the mixer. Note: Never connect both a 1/4" cable and also an XLR cable at the same time to the receiver.
- 10) BNC antenna interface
- 11) Balanced output: The XLR socket can be connected with a standard balanced cable to the balanced microphone input of the mixer
- 12) BNC antenna interface

Product may differ from photos

V7000 Series Handheld Transmitter

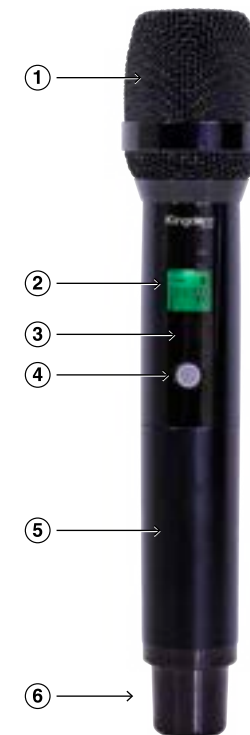
HHK7000 TRANSMITTER

- 1) Microphone Grill
- 2) LED Display
- 3) IR Sync Window
- 4) Power Switch
- 5) Battery Compartment (requires 2 AA batteries not included)
- 6) Antenna Extension*

*Do not hold the antenna extension at the bottom of the handheld during use so as to reduce the risk of interference.

Battery Compartment

Unscrew bottom of handle to insert 2 AA batteries (not included).



V7000 Series Beltpack Transmitter

BPK7000 TRANSMITTER

- 1) RF Antenna
- 2) Mute Button (to mute or unmute)
- 3) Mini 3-Pin XLR Mic Input
- 4) LED Display
- 5) 1/8" Mic Jack
- 6) Power Switch Button
- 7) IR Sync Window
- 8) Volume Button
- 9) Battery Compartment (uses 2 AA batteries not included)

How to change the volume level.

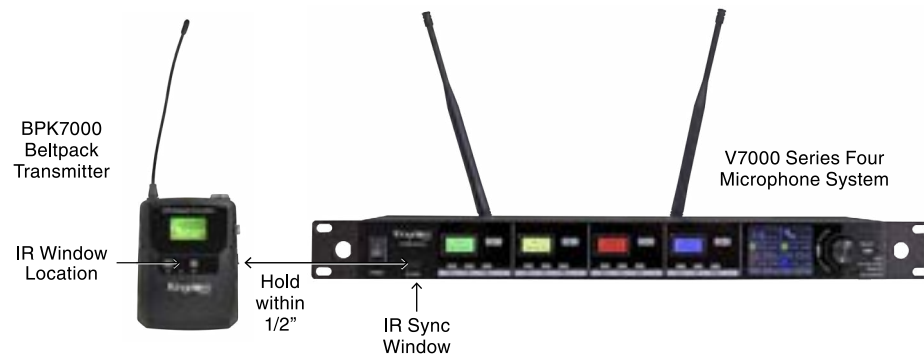
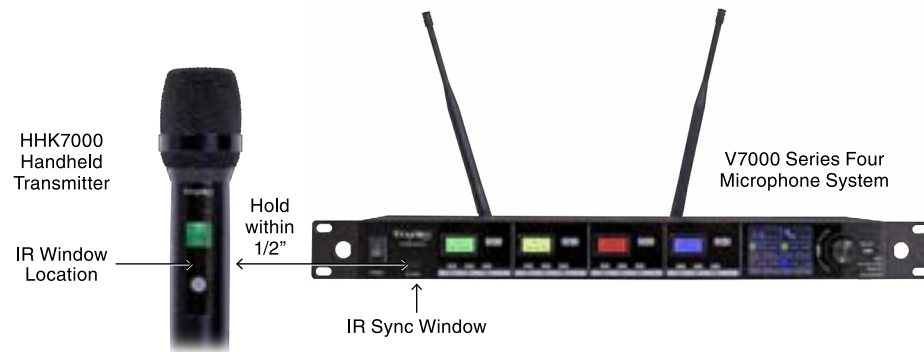
Press the volume button marked as "VOL." When the frequency is blinking you can press the "VOL." button again. The AF bar will blink. This allows you to set the sensitivity of the mic at 4 different levels from low to high. We recommend level 3 for most scenarios. However, there may be cases when you want to manually adjust the volume level to a different level using this function.

Note: This is not the recommended way to adjust volume. You will have more control over your exact volume level by adjusting it from the receiver or your mixing board.



IR SYNCING

V7000 Series Four Microphone System shown below.
See page 6-8 to find the IR Sync location for the V7000 Series receiver you own.



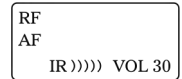
Press the sync button on the receiver for the channel that you want to sync your transmitter to. Then hold the IR Window on the transmitter (handheld or beltpack) to within 1/2" of the IR Sync Window on your receiver in order to sync properly. See photo illustrations above.

Note: The IR Sync windows of both your transmitter and your receiver should be directly facing each other.

IR FREQUENCY SYNCING:

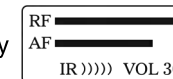
Turn on the transmitter and receiver.

Press the "SYNC" button on the receiver, and the screen will show and the))))) icon will roll across the display.



After pressing the Sync button on the receiver then hold the handheld or bodypack transmitter with its IR Sync window facing the IR Sync window of the receiver at a distance of about 1/2" to sync.

Successful Frequency Syncing will display



DETAILED INSTRUCTIONS FOR IR SYNC:

- Step 1. Make sure all other microphone receivers and transmitters in the room are turned on including the receiver and transmitter you are trying to sync.
- Step 2. Pick which transmitter and channel on the receiver that you would like to sync. You can use one channel per transmitter. One transmitter can sync to A, the second can sync to B, the third to C, and the fourth transmitter can sync to D.
- Step 3. After completing the previous steps the receiver should now be ready to sync for the channel you have chosen. Press the sync button on the receiver for the channel that you have chosen and then immediately hold the powered on transmitter up to the receiver with its IR sync window facing towards the IR Sync window on the receiver. See diagram on the preceding page to find the location on your receiver. Also see pages 6 through 8 if you have a different receiver for an example of the location.
- Step 4. After successfully completing the IR Sync procedure, repeat the same procedure for all other transmitters if you have a multi-mic system receiver. Make sure to choose a different channel for each transmitter. For example if you have a four mic system receiver then individually choose channel (A, B, C or D) on the receiver for each separate transmitter. Each transmitter must be on a different frequency. If you have two wireless microphone transmitters in the room on the same frequency then change the frequency or "channel" for one of transmitters to a different frequency.

If two wireless microphone transmitters nearby or in the same room are set to the same frequency then it may cause frequency interference.

PRE-SET FREQUENCY GROUPS

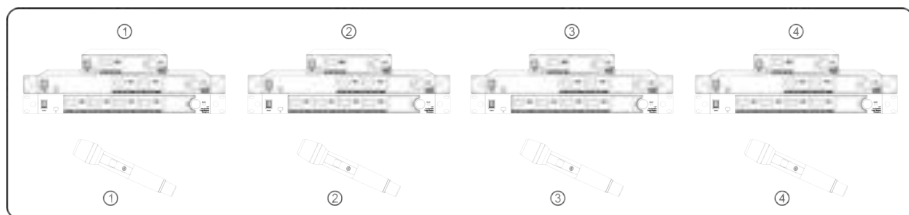
Step 1: Turn on all the receivers, keep all the transmitters powered OFF.

Step 2: Select "Group" in the main menu of receiver, and press the set button at the same time, make all the receivers select the same frequency group e.g.: Group 1 (Preset 1~10 freq. groups max optional).

Step 3: After setting all receivers to the same freq. group, then select each channel in the main menu one by one. For each receiver choose a different channel CH01~CH24.

Step 4: After setting the Freq. group and channel, then sync the transmitters to match the freq. with the receiver via IR sync.

(Note: if you exceed the presetting freq. groups or cannot find the ideal frequency in the presetting groups, then please scan the receiver's frequencies to find a clean and available frequency.)



MULTIPLE SYSTEMS SCAN METHOD

Step 1: Turn on all the receivers, keep all the transmitters powered OFF.

Step 2: Select "Scan" in the main menu of #1 receiver, and short-press the "SET" Button. #1 receiver will scan for an available frequency channel.

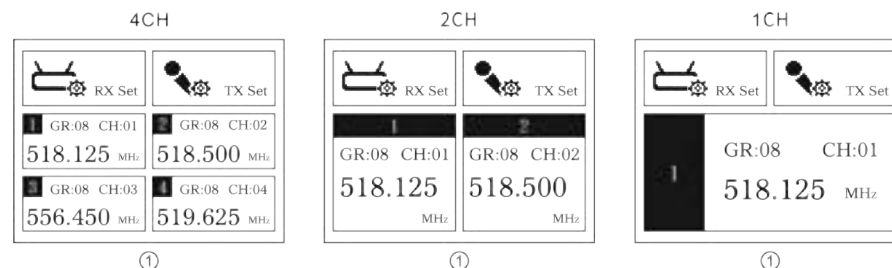
Step 3: Put #1 transmitter pointing face forward toward the IR window port of the receiver (at around 15 ~30cm of distance) to complete a freq. IR sync.

Step 4: Keep #1 transmitter which has already completed an IR sync powered "ON", then according to step 2 instructions above perform the same procedure for the #2 receiver and scan for an available frequency, and then according to step 3 instructions above sync the #2 transmitter via freq. IR sync.

Step 5: According to the above steps, perform the same procedures for multiple systems and scan for an available frequency and complete frequency syncs in order.

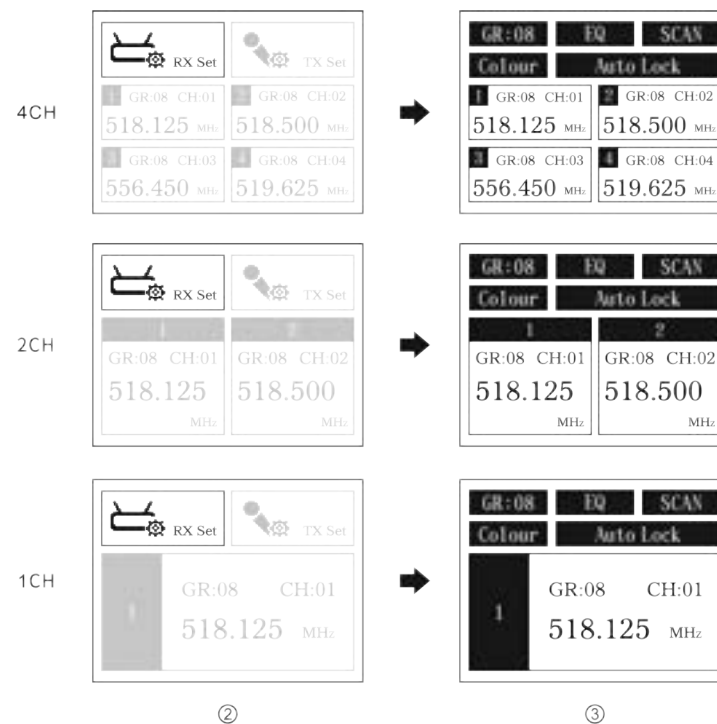
(Note: Before scanning, all the transmitters should be at least 3 meters away from the receiver antenna, and transmitters should not be placed grouped together during the scan.)

1. TURN ON/OFF RECEIVER



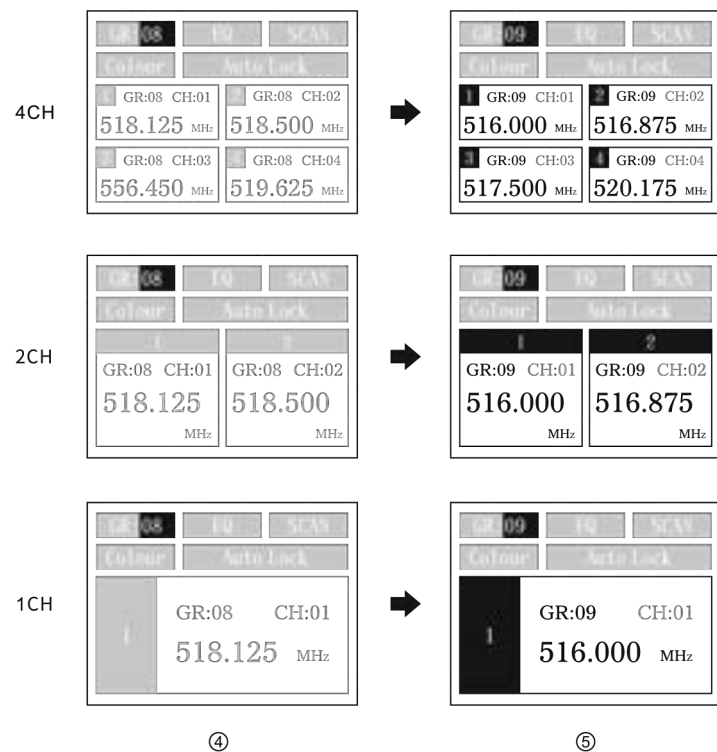
Press the ON/OFF button to power on the receiver and the screen will then show the standard information. (similar to picture 1) Press ON/OFF button again and the receiver will power OFF.

2. FREQUENCY GROUPS SETTING



Press the "SELECT" button, choose "RX Set" (as picture 2 shows), and then press the "MENU" button, open the selection menu interface. (as picture 3 shows)

2. FREQUENCY GROUPS SETTING CONTINUED



After opening selection menu interface, then press "MENU" knob, choose "GR" (as picture 4 shows), and rotate "MENU" knob to select suitable group (as picture 5 shows), the standard interface will show the current selected group.

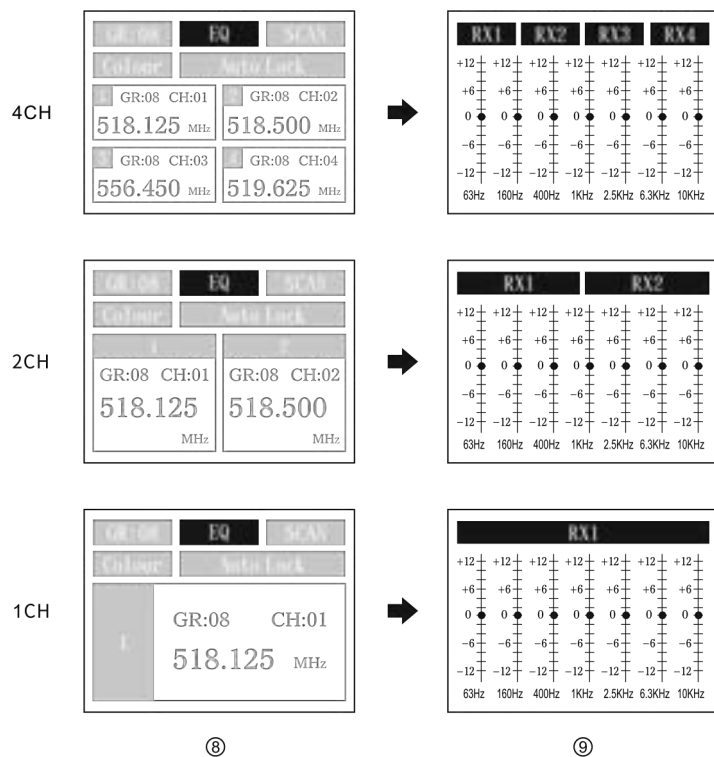
3. FREQUENCY CHANNEL SETTING



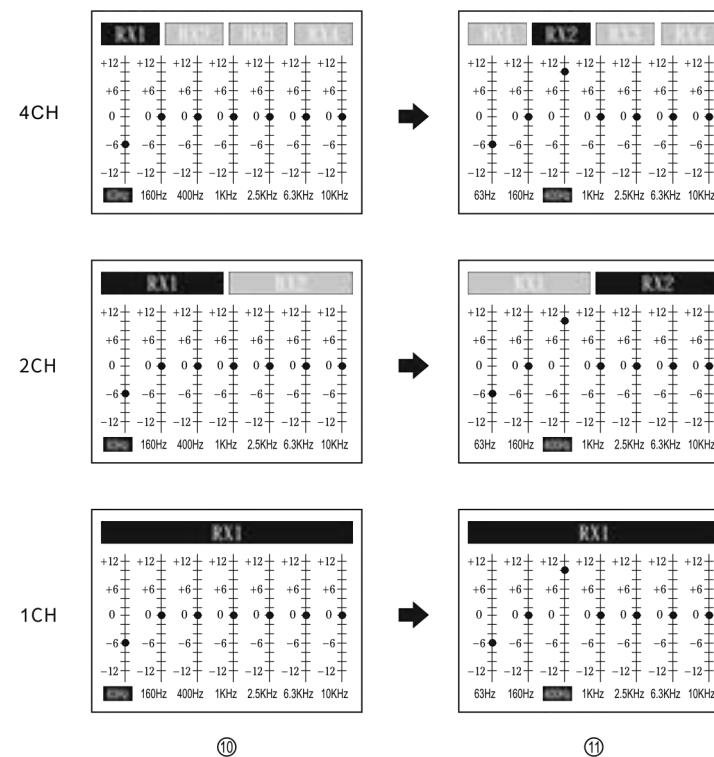
After selecting freq. group, press "MENU" knob, select "CH", then rotate "MENU" knob to select suitable channel (as pictures 6, 7 shows), the standard interface will show the selected channel.

(Use the same operation above to set other channels)

4. EQ SETTING

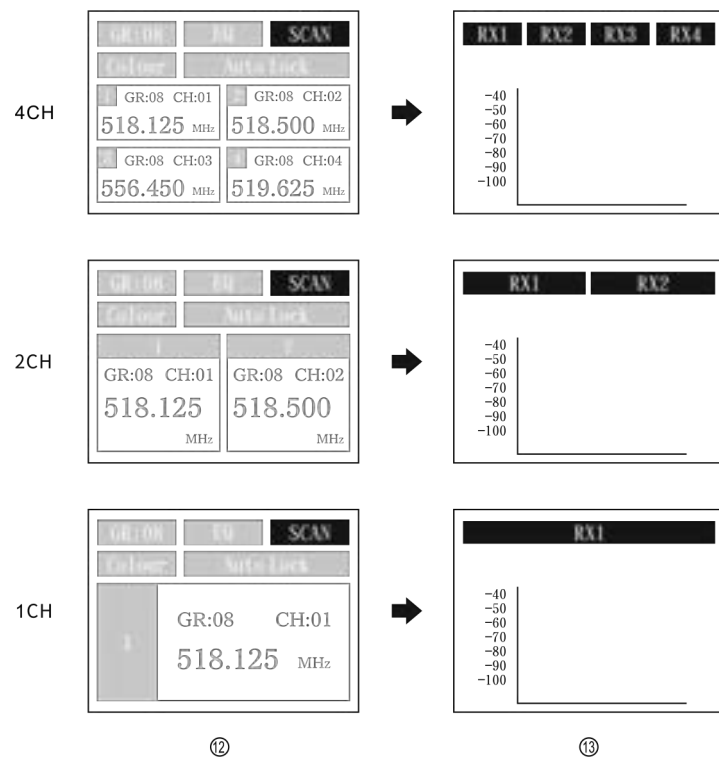


Press the "SELECT" button, choose "EQ" (as picture 8 shows), and then press the "MENU" knob, opening to the receiver 7-band 5 gain EQ adjustable interface. (as picture 9 shows)

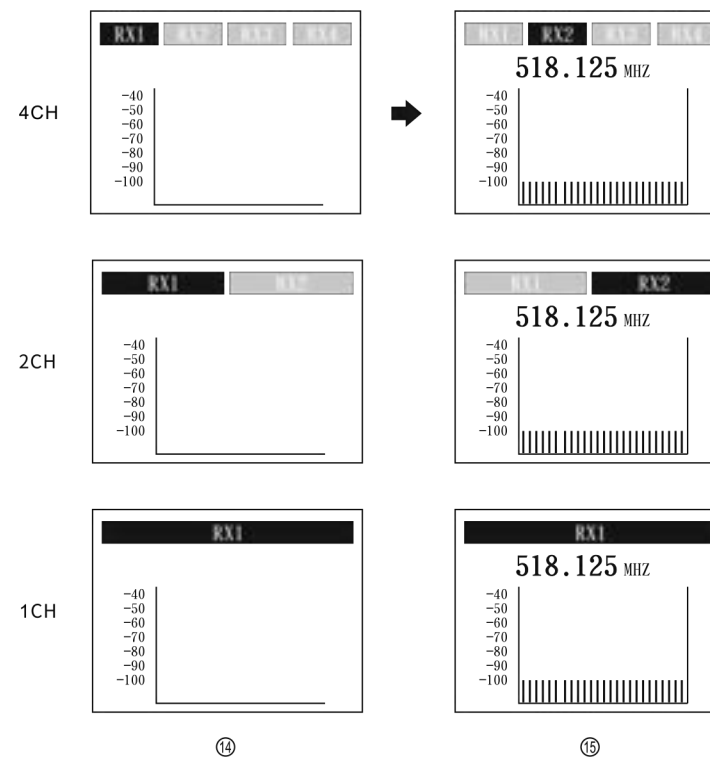


After opening the EQ adjustable interface, press the "SELECT" button, then select "RX1,RX2,RX3 and RX4" in their turn. Press the "MENU" knob to adjust the segmental phoneme, and then rotate the "MENU" knob to adjust the value. (as pictures 10 and 11 show)

5. AVAILABLE FREQUENCY SEARCH AND SELECTION

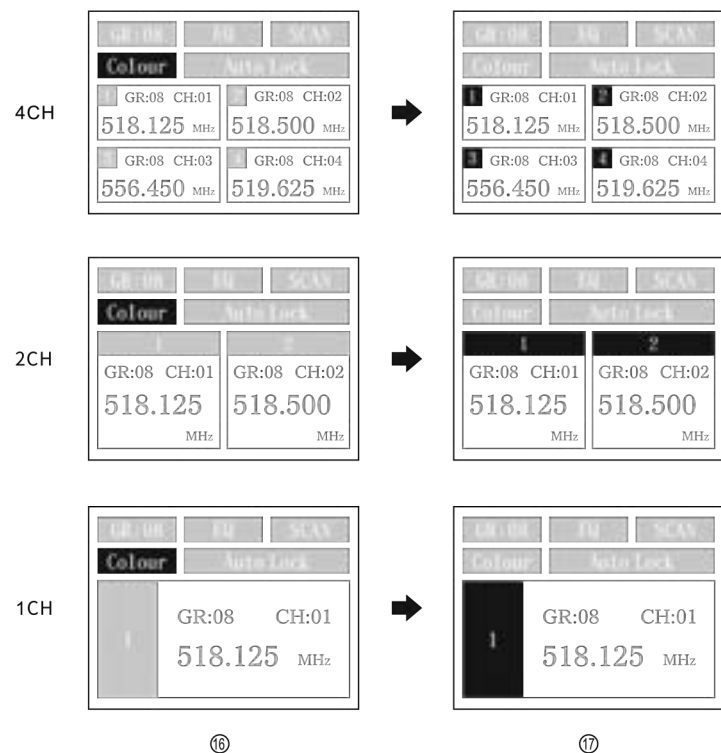


Press the "SELECT" button, choose "SCAN" (as picture 12 shows), then press the "MENU" knob to open the frequency searching interface. (as picture 13 shows)



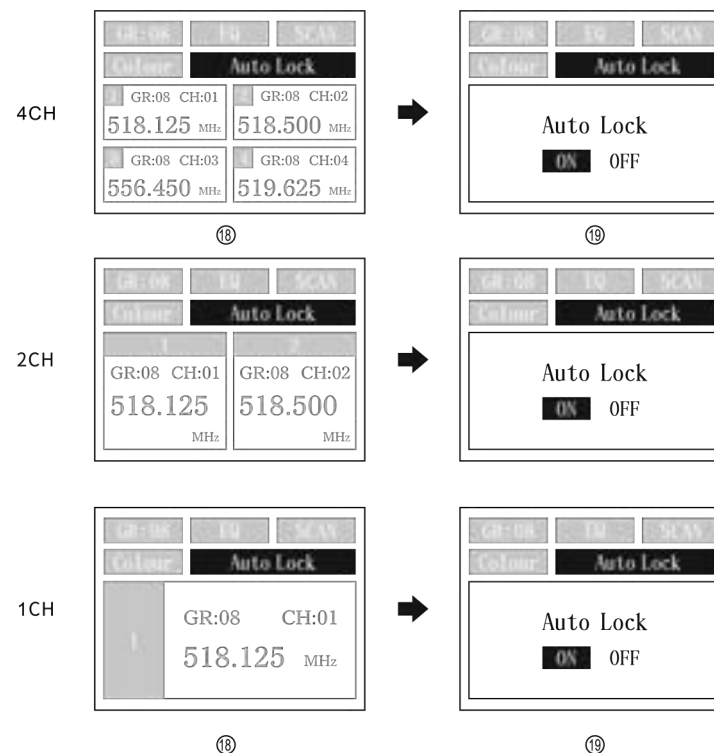
After opening the frequency searching interface, press the "SELECT" button, and select "RX1, RX2, RX3 and RX4" in their turn, then press the "MENU" knob, the screen will show the scanning status and the automatic search for an available frequency. After completing the scan, the screen will display the available frequency that was selected. (as pictures 14 and 15 show).

6. COLOR SETTING

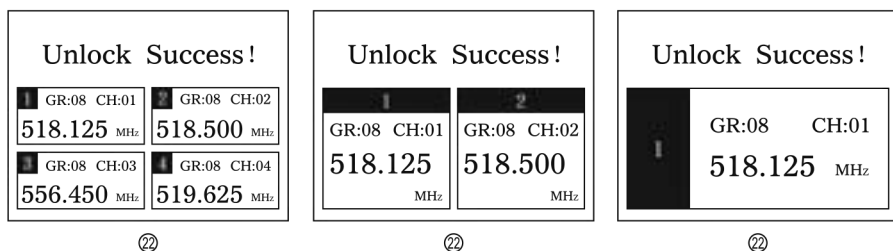
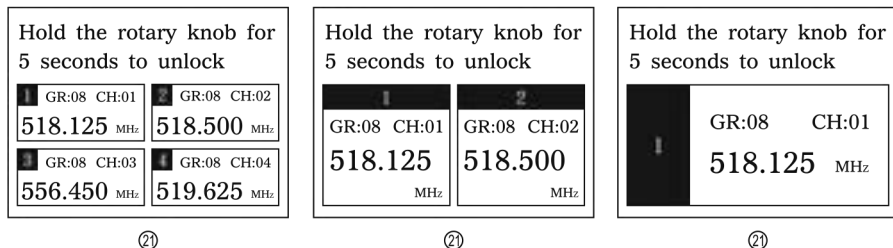
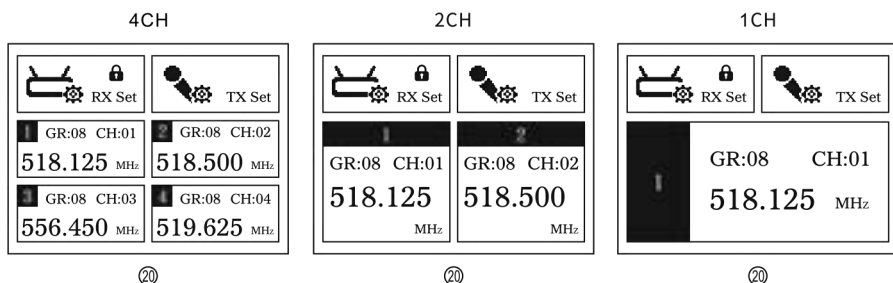


Press the "SELECT" button, choose "Colour" (as picture 16 shows), and then press the "MENU" knob, select channel "1,2,3, and 4" in their turn, rotate the "MENU" knob to choose your selected color among the 6 colour choices of: green, yellow, red, dark blue, white and light blue. (as picture 17 shows)

7. RECEIVER AUTO LOCK SETTING

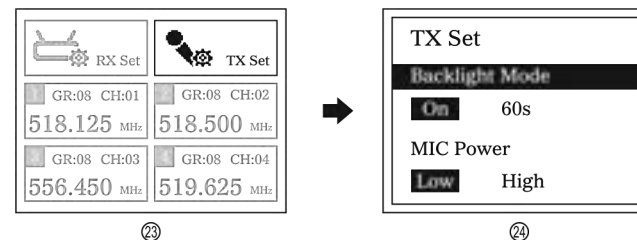


Press the "SELECT" button, choose "Auto Lock" (as picture 18 shows), and then press the "MENU" knob, opening to the menu interface, rotate the "MENU" knob to select "ON or OFF", and then press the "MENU" knob for selection confirmation. (as picture 19 shows)

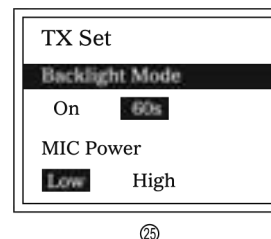


After choosing "ON", the lock function will be enacted, no operations can be performed for 5 seconds, the standard interface screen will show the  icon (as picture 20 shows), you can not operate the functions of the receiver while the receiver is in locked mode (as picture 21 shows). If you want to access the receiver functions again, then you must release the lock function. To unlock the receiver, long press the "MENU" knob for 5 seconds to unlock. (as picture 22 shows)

8. TRANSMITTER SCREEN STATUS SETTING



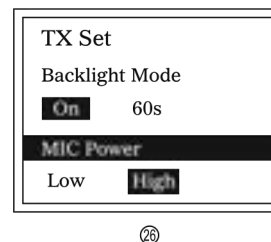
Press the "SELECT" button, choose "TX Set" (as picture 23 shows), and then press the "MENU" knob to open the transmitter setting interface. (as picture 24 shows)"



After opening the transmitter setting interface, press the "MENU" knob, select "Backlight Mode", and rotate the "MENU" knob to select "On" or "60s" (as picture 25 shows), then press the "SELECT" button which will make your selection and return you to the main interface.

1. Choosing "On" will keep the back lighting of the transmitter display constantly lit.
2. Choosing "60s" will cause the the back lighting of the transmitter display to be lit for 60 seconds before going to a black screen automatically.

9. TRANSMITTER POWER SETTING



After opening transmitter setting interface, press the "MENU" knob to choose "MIC Power" (as picture 26 shows), and then rotate the "MENU" knob to select "Low" or "High", then press the "SELECT" button to confirm your selection and return back to the main interface.

Note: In order to perform the "TX Set" operation above you need to use the IR sync function to sync the transmitter settings.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Receiver - No sound - No lights	- Power button is on the OFF position. - AC power adapter is not plugged in. - Poor connection of AC power adapter.	- Turn on the power button/switch. - Plug in the AC power adapter. - Check to see if the AC power adapter is loose. Check on the receiver end and wall outlet end.
Microphone No sound	- The transmitter is out of range. - Microphone switch is off. - Microphone volume is turned down. - Batteries in the microphone are not installed properly. - Receiver is not connected to an amplifier, mixer or other sound system. - Microphone frequency is not synced to the receiver.	- Operate the device in the effective range. - Turn on the microphone switch. - Turn up the microphone volume on the receiver. - Put batteries in the transmitter. Make sure the positive and negative ends of the batteries are pointed in the right direction. - Connect a cable from the receiver to a microphone input of a sound system. - Use the IR synch function to sync the microphone with receiver.
Sound - Distorted sound - Feedback - Drop outs	- The microphones are too close together. - Batteries are low. - Microphone volume is too high. - Distortion from other electric wave. - Frequency interference.	- Create distance between the microphones. - Replace the batteries. - Reduce the volume of the microphone. - Move the receiver away from other electric equipment. - Try changing the channel of the microphone. Both transmitter and receiver must match frequencies for operation.
IR Sync Microphone not syncing with receiver	- The transmitter is pointed in the wrong direction. - The transmitter is not being pointed at the right location on the receiver. - Make sure the transmitter is close enough to the receiver. - There is a second transmitter or receiver already on nearby.	- Make sure transmitter is pointed in right direction. The IR window on the transmitter shown on pages 9-10 of the manual needs to be pointed at the IR sync window location on the receiver. Both of these windows should be facing each other within about 1/2" or less when syncing. - Make sure the transmitter is pointed at the right location on the receiver. See pages 6, 7, 8 or 10 to locate the IR window of the receiver. It should say IR SYNC below the IR sync window on your receiver. - The transmitter window is not aligned properly to the receiver during the syncing process. Position within 1/2" or less. The IR sync windows must be aligned when the receiver is in the IR sync mode. See pages 10-11 for details. - Turn off all nearby transmitters or receivers that are not currently going through sync process. An additional transmitter that is turned on may interfere with the syncing process.

Note: Shutting off other transmitters or receivers is an exception when you encounter a problem. It is generally recommended to leave all transmitters on in the room while IR syncing so that an available channel can be selected for use.

SOLUCIÓN DE PROBLEMAS

PROBLEMA	POSIBLE CAUSA	SOLUCIÓN
Recibidor - No sonido - No luces	- El botón de poder esta en la posición de APAGADO. - Adaptador de electricidad AC no esta conectado. - Conexión pobre del adaptador de electricidad.	- Encienda el botón o switch. - Enchufe el adaptador de poder AC. - Verifique si el adaptador de poder esta suelto. Verifique el final del recibidor o el cortacorrientes de la pared.
Micrófono No sonido	- El transmisor esta fuera de range. - El interrupter del micrófono esta apagado. - El Volumen del micrófono esta muy bajo. - Las baterías en el micrófono no estan instaladas apropiadamente. - El recibidor no esta conectado al amplificador, mezcladora u otro sistema de sonido. - La frecuencia del micrófono no esta sincronizada con el recibidor.	- Opere el aparato dentro de en rango efectivo. - Encienda el micrófono. - Suba el volumen del micrófono en el recibidor. - Póngale baterías en el transmisor. Asegurar que el lado positivo y el negative esta en la posición adecuada. - Conecte un cable del recibidor a una entrada de micrófono en su sistema de sonido. - Utilice la función de sincronizar IR para sincronizar su micrófono al recibidor.
Sonido - Sonido distorsionado - Retroalimentación o feedback - Caída de señal o drop out	- Los micrófonos estan muy cerca el uno de el otro. - Las Batelias esta agotadas. - Volumen del micrófono esta muy alto. - Distorsión de otra onda electrica. - Interferencia de frecuencia.	- Cree distancia entre los micrófonos. - Reemplace las baterías. - Reduzca el volumen de las micrófonos. - Mueva el recibidor lejos de otros equipos electrónicos. - Intente cambiar el canal del micrófono. Ambos transmisores y recibidores deben tener la misma frecuencia para poder ser operados.
Sincronizar IR Micrófono no esta sincronizando con el redibidor	- El transmisor esta apuntado en la dirección incorrecta. - El transmisor no esta siendo apuntado en la posición correcta en el recibidor. - Asegurar de que el transmisor esta suficientemente cerca del recibidor. - Hay un segundo transmisor a recibidor cerca.	- Asegurar que el transmisor esta apuntado en la dirección correcta. La ventanilla del sincronizado IR mostrado en las páginas 9-10 de el manual necesitan ser apuntados a la ventanilla del sincronizar IR en el recibidor. Ambas ventanillas deben estar mirándose y a menos de 1/2" mientras esta sincronizando. - Asegurar que el transmisor está apuntado el área correcta en el recibidor. Vea las páginas 6, 7, 8 y 10 para localizar la ventanilla en su recibidor. Debe decir "IR Sync" debajo de la ventanilla de sincronizar IR en su recibidor. - La ventanilla en el transmisor no esta alineada apropiadamente durante el proceso de sincronizar. Posiciones a 1/2" o menos. La ventanillas de Sincronizar IR deben estar alineadas mientras están en el modo de Sincronizar IR. Vea las páginas 10-11 para más detalles. - Apague todos los transmisores a recibidores que estén cerca y no estén siendo usados al momenta para que no se sincronicen con nada. Un transmisor adicional que esta encendido puede causar interferencia durante el proceso de sincronizar.

Nota: Normalmente, debería dejar todos los transmisores encendidos mientras realiza una sincronización IR. Esto puede facilitar la selección de un canal disponible.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For FCC Class B use of this digital device: (Residential use)

NOTE: 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 or more 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

- Keep away from moisture
- Do not cover venting with paper, cloth or curtains
- Keep away from extreme temperatures
- Keep away from strong magnetism
- If antennae are too close to other electronics it could negatively impact signal pick up