

PENDOMAX™

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PENDOMAX™

Professional UHF Wireless Microphone Systems

Profesionales UHF Sistemas de Micrófono Inalámbrico

CPU Control Wireless Microphone Systems
PLL Diversity Wireless Systems

USERS MANUAL

**FOR PROFESSIONAL UHF WIRELESS
MICROPHONE SYSTEMS:**

- PM-WP1 Series
- PM-WP2T Series
- PM-WP2N Series
- PM-WP4 Series

Please read and keep for future reference.

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Congratulations on purchasing a PendoMAX wireless microphone system!

This product should give you trouble free service throughout it's life. We trust you will enjoy it's performance.

FCC Information

Receivers: PM-WP1R, PM-WP2NR, PM-WP2TR, and PM-WP4R



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 UNDESIRED OPERATION.

Transmitters:

Handheld	Part Number: PM-HHP1	*FCC ID: 2AAQCPM-HHP1
Beltpack	Part Number: PM-BPP1	*FCC ID: 2AAQCPM-BPP1

*Note: The FCC ID's listed above are both pending at the time of the creation of this manual.

* * * 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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Solución de Problemas

Problema	Posible Causa	Solución
Recibidor <ul style="list-style-type: none">No sonidoNo luces	<ol style="list-style-type: none">El botón de poder esta en la posición de APAGADO.Adaptador de electricidad AC no esta conectado.Conexión pobre del adaptador de electricidad.	<ol style="list-style-type: none">Encienda el botón o switch. Es posible que necesite presionarlo por 3 segundos para que encienda.Enchufe el adaptador de poder AC.Verifique si el adaptador de poder esta suelto. Verifique el final del receptor o el cortacorrientes de la pared.
Microfono <ul style="list-style-type: none">No sonidoLuces encendidas	<ol style="list-style-type: none">El transmisor esta fuera de rango.El interruptor del micrófono esta apagado.El Volumen del micrófono esta muy bajo.Las baterías en el micrófono no están instaladas apropiadamente.El receptor no esta conectado al amplificador, mezcladora u otro sistema de sonido.La frecuencia del micrófono no esta sincronizada con el receptor.	<ol style="list-style-type: none">Opere el aparato dentro de en rango efectivo.Encienda el micrófono.Suba el volumen del micrófono en el receptor.Póngale baterías en el transmisor. Asegurar que el lado positivo y el negativo esta en la posición adecuada.Conecte un cable del receptor a una entrada de micrófono en su sistema de sonido.Utilice la función de sincronizar IR para sincronizar su micrófono al receptor.
Sonido <ul style="list-style-type: none">Sonido distorsionadoRetroalimentación o FeedbackCaída de señal o Drop Out	<ol style="list-style-type: none">Los micrófonos están muy cerca el uno de el otro.Las Baterías esta agotadas.Volumen del micrófono esta muy alto.Distorsión de otra onda eléctrica.Interferencia de frecuencia.	<ol style="list-style-type: none">Cree distancia entre los micrófonos.Reemplace las baterías.Reduzca el volumen de los micrófonos.Mueva el receptor lejos de otros equipos electrónicos.Intente cambiar el canal del micrófono. Ambos transmisores y receptores deben tener la misma frecuencia para poder ser operados.
Sincronizar IR <ul style="list-style-type: none">Micrófono no esta sincronizando con el receptor	<ol style="list-style-type: none">El receptor no esta puesto en la posición de Sincronizar con IR.El transmisor esta apuntado en la dirección incorrecta.El transmisor no esta siendo apuntado en la posición correcta en el receptor.Asegurar de que el transmisor esta suficientemente cerca para ayudar a alinearse.Hay un segundo transmisor o receptor cerca.	<ol style="list-style-type: none">Alterne por las opciones usando los botones localizados en el receptor hasta que muestre que esta listo en Sincronizar IR. O presione el botón IR si es posible.Asegurar que el transmisor esta apuntado en la dirección correcta. La ventanilla del sincronizado IR mostrado en las paginas 11-13 de el manual necesitan ser apuntados a la ventanilla del sincronizar IR en el receptor. Ambas ventanillas deben estar mirándose y a menos de 1/2" mientras esta sincronizando.Asegurar que el transmisor esta apuntado el área correcta en el receptor. Vea paginas 6-10 para localizar la ventanilla en su receptor. Debe decir IR al lado de la ventanilla de sincronizar IR en su receptor.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 pagina 13 para mas detalles.Apague todos los transmisores o receptores que estén cerca y no estén siendo usados al momento para que no se sincronicen con nada. Un transmisor adicional que esta encendido puede causar interferencia durante el proceso de sincronizar.

Troubleshooting

Problem	Possible Cause	Solution
Receiver <ul style="list-style-type: none">No soundNo lights	<ol style="list-style-type: none">Power button is on the OFF position.AC power adapter is not plugged in.Poor connection of AC power adapter.	<ol style="list-style-type: none">Turn on the power button/switch. May need to hold for 3 seconds to power on.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 <ul style="list-style-type: none">No soundLights on	<ol style="list-style-type: none">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 synched to the receiver.	<ol style="list-style-type: none">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 synch the microphone with receiver.
Sound <ul style="list-style-type: none">Distorted soundFeedbackDrop outs	<ol style="list-style-type: none">The microphones are too close together.Batteries are low.Microphone volume is too high.Distortion from other electric wave.Frequency interference.	<ol style="list-style-type: none">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 <ul style="list-style-type: none">Microphone not syncing with receiver	<ol style="list-style-type: none">Receiver is not set to IR Sync ready mode.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 help align.There is a second transmitter or receiver already on nearby.	<ol style="list-style-type: none">Toggle through options using the buttons located on the receiver until it shows it is in the IR sync ready mode. Or hit the IR button if possible.Make sure transmitter is pointed in right direction. The IR window on the transmitter shown on pages 11-13 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 6-10 to locate the IR window of receiver. It should say IR next to 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 page 13 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.

Features and Specifications

Handheld Transmitter (PM-HHP1)

Specifications

Carrier Wave Frequency Range: UHF 668~692MHz
Frequency Response: 40Hz~18KHz
Working Distance: Up to 200 feet
Transmitter Power: ~12mW conducted
Display: LCD

Features

Requires 2 AA batteries
IR sync capable

Beltpack Transmitter (PM-BPP1)

Specifications

Carrier Wave Frequency Range: UHF 668~692MHz
Frequency Response: 50Hz~18KHz possible with beltpack. Actual will depend on mic attached.
Transmitter Power: Approximately 10mW conducted
Display: LCD
Working Distance: Up to 200 feet
Beltpack Jack: 3.5mm / 1/8 inch lockable jack

Features

Lapel mic included
Requires 2 AAA batteries
IR sync capable

Receivers

Specifications

Carrier Wave Frequency Range: UHF 668~692MHz
Display: LCD
External Power Supply
Output Connectors: Balanced XLR
Unbalanced TRS 6.35mm/ 1/4 inch

Features

IR sync capable
Frequency selection mode
Channel selection mode
Volume control
Scan
Lockable
Power setting

Warnings

Opening the device may void your warranty.

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

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.

Getting Started

- 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 beltpack takes 2 AAA batteries and the compartment can be located by swinging open the door. See diagrams on pages 11 and 12.
- 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 6-10 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 (except for the PM-WP2T) only one 1/4" cable needs to be used regardless of how many transmitters you are operating as long as you do not exceed the number of transmitters that your system can operate at once. However, the PM-WP2T system requires one 1/4" per transmitter used.
- Note:** Generally a cleaner more clear sound can be attained by using XLR cables. We highly recommend the use of XLR cables instead of 1/4" cables with your system.
- Step 4:** Plug the AC power supply into the back of your receiver and then into an electrical outlet.
- Step 5:** Power on your receiver using the power switch. Push the power button for 3 seconds.
- Step 6:** Power on your transmitter.
- Handheld: Use the three position sliding switch sliding it all the way to the on position.
- Beltpack: Power on using the button located on the top of the beltpack. Push power button for 3 seconds. See diagram on page 12.
- Note:** The handheld has a three position switch allowing you to mute the transmitter without powering it off by sliding the switch to the half way position between the power on/off positions.
- 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. Some receivers may allow you to access IR sync mode by simply hitting the button on your receiver that says "IR" next to the button. Set your receiver to IR sync mode. Once your receiver is set to IR sync

mode you should be able to begin the process of syncing your transmitter with your receiver.

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:** Once the receiver is set to IR sync follow the steps below:
- Locate the IR sync window on the receiver. Look for the letters IR on your receiver to locate the window. Please see pictures on pages 6-10 to help locate the IR sync window location.

Handheld Transmitter:

Point the back of your transmitter with the small window on the back 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.

Beltpack Transmitter:

Open the compartment where the batteries are stored. Align the red IR sync window on your beltpack to that on your receiver to automatically sync the transmitter to the frequency of the receiver.

Note: Frequency display can be found on page 11 for the handheld and page 12 for the beltpack.

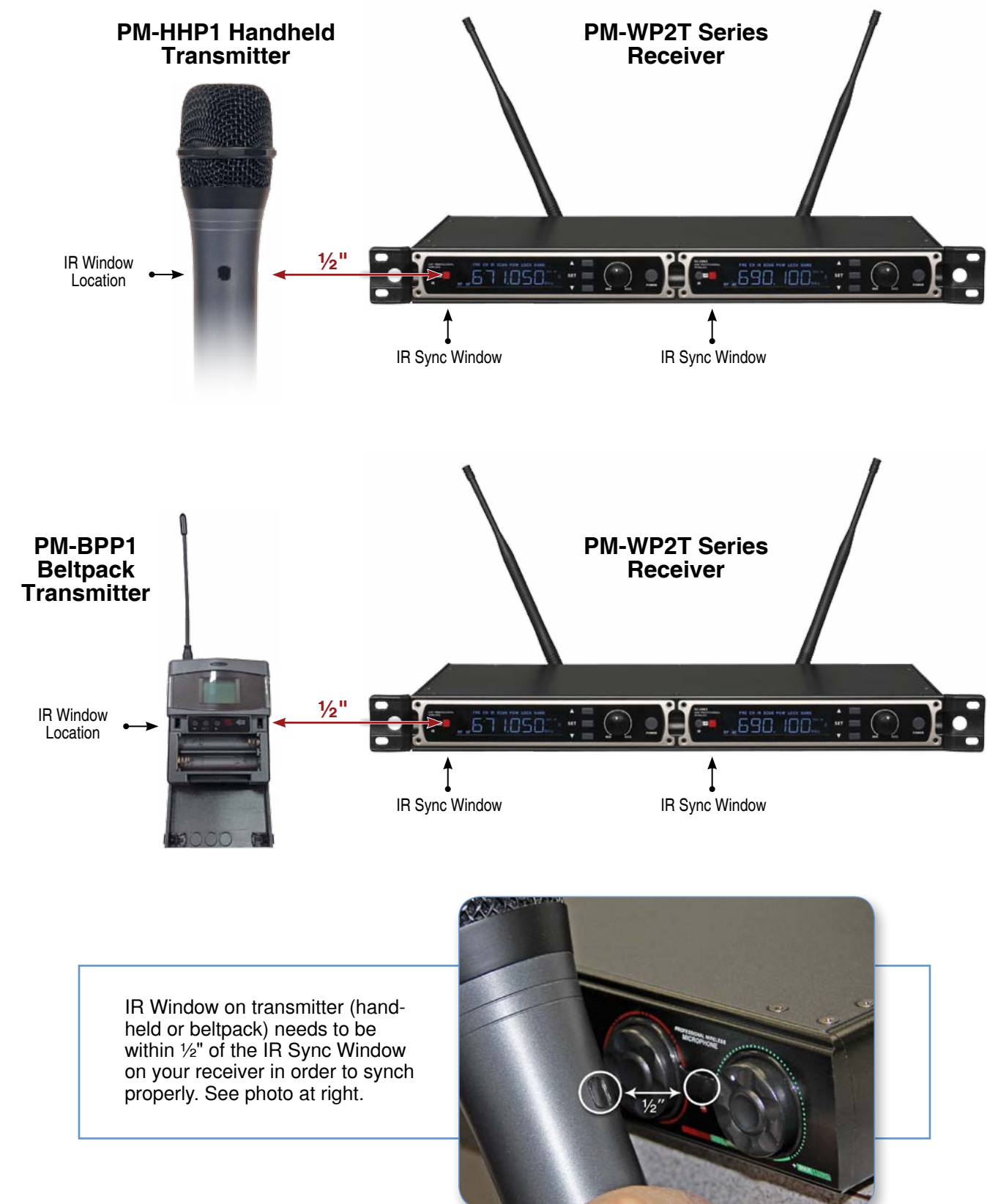
- Step 9:** Make sure the volume knobs on your receiver are turned up to the desired level.

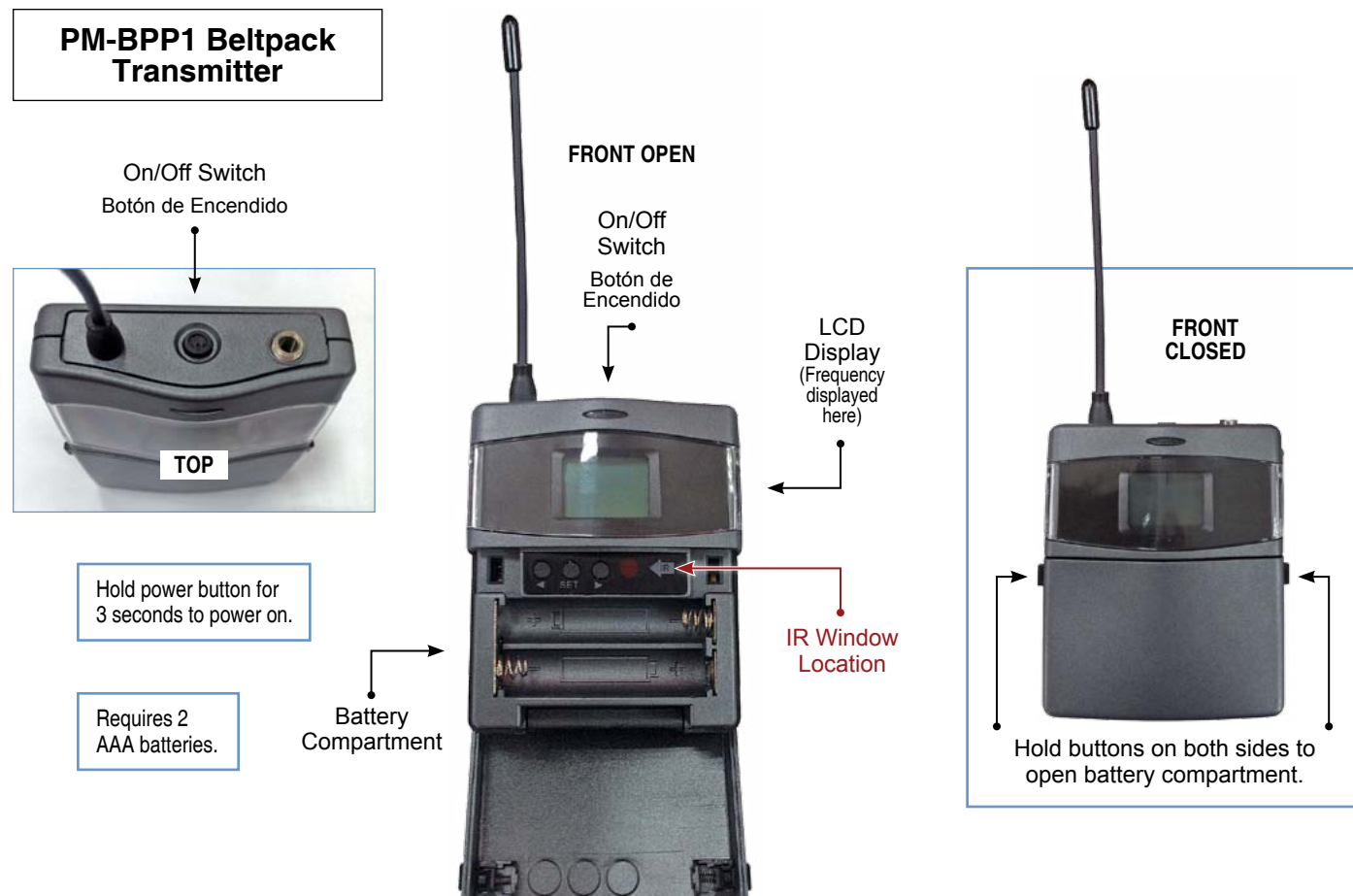
- Step 10:** Your wireless microphone system should now be operational as long as all your sound equipment is set up properly as well. When you are finished make sure to power off your transmitter and receiver.

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.

IR Syncing

See pages 6-10 to find the IR sync location for your specific receiver.





How to set frequency of transmitter without using receiver.

Hold set button in for 3 seconds. Then use arrow buttons to select desired Frequency. Stop using arrow buttons once you are on selected frequency. Note: You should usually use the receiver sync process to change the frequency of the transmitter. Setting the frequency of the beltpack independently of the receiver may result in malfunction.

How to change the Decibel Level.

Press set button. When frequency is blinking you can press the "set" button again. "DB" will blink. This allows you to set the Decibel level. Usually this should be left at 0. It is possible to lower the Decibel level up to -30. Lowering the Decibel level cuts the volume down. Note: This is not the recommended way to adjust volume.

Empezando

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 AAA y el compartimiento se puede localizar al abrirse la puerta. Vea los diagramas de las páginas 11 y 12.

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 6-10 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 (con excepción del PM-WP2T) 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. Sin embargo, el sistema de PM-WP2T requiere un cable de 1/4" por transmisor utilizado.

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: Con el interruptor deslizante de tres posiciones deslizando hasta llegar a la posición de encendido.

De cintura: Encienda con el botón situado en la parte superior de el aparato. Pulse el botón de encendido durante 3 segundos. Vea el diagrama en la página 12.

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. Algunos receptores pueden permitirle acceder a modo de sincronización IR simplemente pulsando el botón en el receptor que dice "IR" al lado del botón. Establezca su receptor en modo de sincronización IR. Una vez que el receptor está en

el modo de sincronización IR debe ser capaz de iniciar el proceso de sincronizar el transmisor con el receptor.

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: Una vez que el receptor esté ajustado a sincronización IR siga los siguientes pasos: Localice la ventanilla de sincronización IR en el receptor. Busque las letras IR en su receptor para localizar la ventanilla. Por favor vea las imágenes en las páginas 6-10 para ayudarle a localizar la ubicación de la ventanilla de sincronización IR.

Transmisor de Mano:

Apunte la parte posterior del transmisor con la pequeña ventanilla en la parte posterior 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.

Transmisor de cintura:

Abra el compartimiento donde se almacenan las baterías. Alíne la ventanilla de sincronización IR de su aparato de cintura a de su receptor para sincronizar automáticamente el transmisor a la frecuencia del receptor.

Note: Visualización de la frecuencia se puede encontrar en la página 11 para el aparato de mano y en la página 12 para el aparato de cintura.

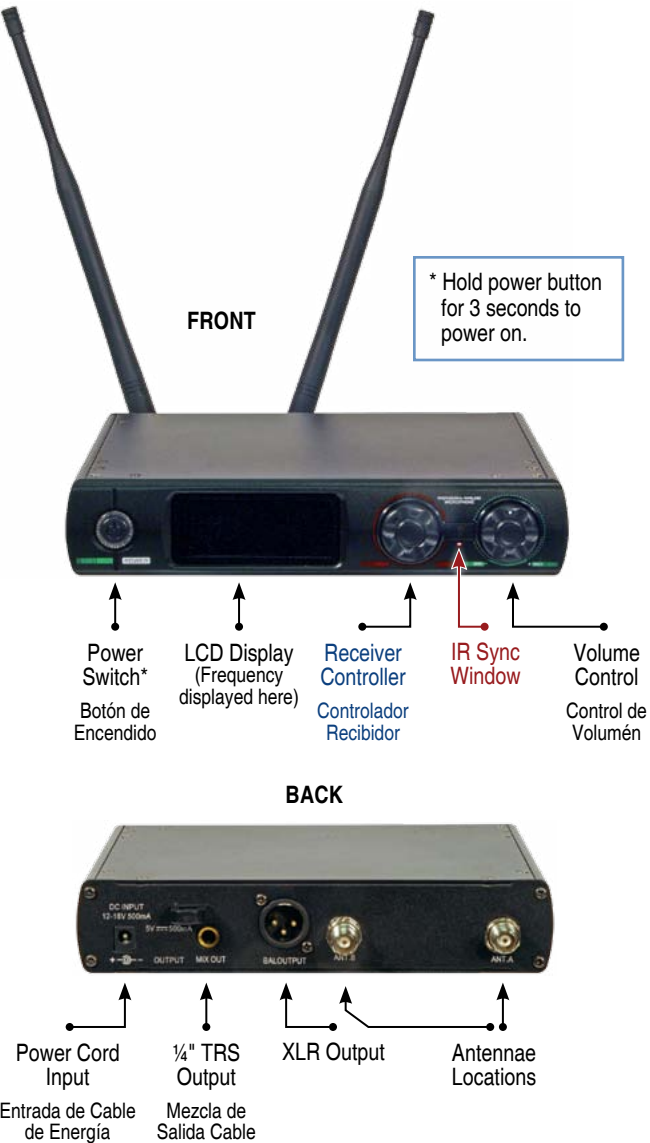
Paso 9: Asegúrese de que las perillas de volumen del receptor se suban hasta el nivel deseado.

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.

Helpful Diagrams

PM-WP1 Series



How to Access IR Sync Mode

- Step 1.** Make sure all other microphone receivers and transmitters in the room are turned off except for the receiver and transmitter you are trying to sync.
- Step 2.** Turn the "Receiver Controller" knob/button in blue letters in diagram to the right until the LCD display shows "IR Y/N"
- Step 3.** When the LCD display shows "IR Y/N" press the knob/button into the unit.
- Step 4.** After pressing the knob into the unit it will show IR- - - -. The - - - - lines will be moving. The Receiver is now in IR Sync Mode.
- Step 5.** Now hold the powered on transmitter up to the receiver with IR window facing toward the "IR" location on receiver. See page 13 for an example.

- Step 6.** When the receiver and transmitter connect properly the LCD display on the receiver will read "IR OK". The frequency displayed on your transmitter and receiver should match.
- Step 7.** The receiver and transmitter are now in sync and the system is ready for use.

Other Functions:

The Receiver Controller will access the following modes:

To select mode turn the receiver knob until you see the desired mode. When you see the desired mode press button once. After selecting mode you can use the knob turning it right or left to change mode. Press button again once desired setting is displayed on the LCD Display on the receiver.

Mode Options:

- (A) Fre – Frequency Selection Mode
 - (B) CH – Channel Selection Mode
 - (C) IR – IR Y/N
 - (D) Scan – Scan Mode
 - (E) POW – HIGH or LOW
 - (F) LOCK – LOCOFF or LOCON
- A. Fre (Frequency Selection Mode) – Press button once and the frequency will begin to blink. Now you can rotate the receiver knob to scroll through the frequency options. When you find your desired frequency option press the button once to select that frequency.
- B. CH (Channel Selection Mode) – 10 channel frequency options. Press button once and the channel will begin to blink. Now you can rotate the receiver knob to scroll through the channel options of 1 through 10. When you find your desired channel then press the button once to select that channel. Note: The channel is a frequency.
- C. IR (IR Y/N) – Press button once and you should enter IR sync mode. This mode allows you to sync your transmitter and receiver to the same frequency (or channel).
- D. Scan – Press button once to select scan mode. This mode allows a scan for an available channel.
- E. High or Low – Press button once on "High" or "Low" to select. Rotate knob to set what strength setting you desire. "High" should be used if the speaker may be at a distance from the receiver. "Low" can be used if the speaker will be close to the receiver. Batteries may possibly drain more slowly at the "Low" setting. Press button again once your desired setting is displayed on receiver in LCD Display.
- F. "LOCOFF" or "LOCON" – Press button once on "LOCOFF" or "LOCON" to select mode. Rotate knob to select. When in LOCON position receiver is locked in all settings. Must turn to LOCOFF to readjust settings on your receiver. Press button again once your desired setting is displayed on receiver in LCD Display.

- C. IR Sync
- D. Back

Step 3. Using the top two buttons which operate movement up and down scroll down to IR Sync. Once you get to IR Sync press the Enter/Set button which is the third button down from the top.

Step 4. After completing the step above you should have the following four options for each of your receiver channels and transmitters (A, B, C, and D):

- IR SYNC A
- IR SYNC B
- IR SYNC C
- IR SYNC D

Use the top two buttons to pick which transmitter and channel 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. When you toggle to the chosen channel hit the Enter/

Set button which is the third down from the top to select your desired channel.

Step 5. After completing the previous step the receiver should now be ready to sync for the channel you have chosen. Now hold the powered on transmitter up to the receiver with IR window facing toward "IR" location on receiver. See diagram on preceding page to find location on your receiver.

Step 6. After successfully completing the IR Sync procedure repeat the same procedure for all for 4 transmitters choosing a different channel (A, B, C or D) for each transmitter. Each transmitter must be on a different frequency. If you have two receiver channels on the same frequency then use the "Fre Select" function to change the frequency or "channel" for that transmitter.

Note: Using Group select will pick four different preset frequencies for each of your transmitters. You will still need to use IR Sync to sync each transmitter with the receiver.

PM-HHP1 Handheld Transmitter



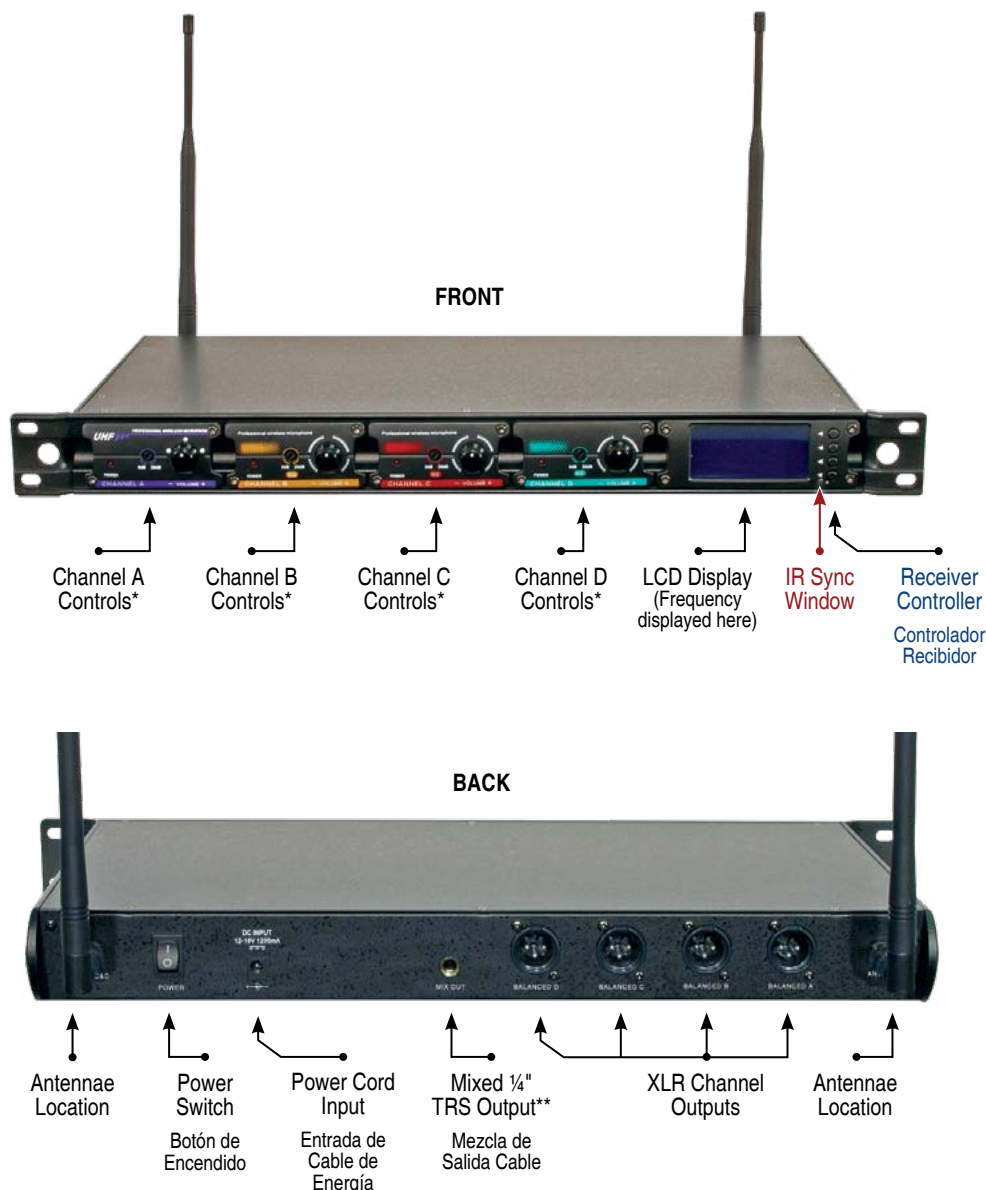
PM-WP4 Series

Squelch and Volume Controls:
Each channel controls the squelch and volume for that specific channel.



Squelch Control Volume Control

Button Keys:
← Button 1 = Up
→ Button 2 = Down
↵ Button 3 = Enter/Set
↶ Button 4 = Back



** Must use XLR cables to control channels independently.

Note: It is possible to use one 1/4" cable to for all 4 channels. However, a cleaner signal may be obtained if you use 4 individual XLR cables. Using XLR cables will also allow the sound man to adjust each of the transmitters sound levels individually when away from the receiver with the use of a mixing board.

Button Key:

Button 1 = Up Button 3 = Enter/Set
Button 2 = Down Button 4 = Back

To enter the Menu press one of the 4 buttons above for 3 seconds until the menu displays:

You can then use Buttons 1 and 2 (Up and Down) to move to the desired mode. Press Button 3 (Enter/Set) to select the desired function.

A. Fre Select - By pressing Button 3 (Enter/Set) on this option you can select which transmitter/receiver channel A through D for which you want to set the frequency. Then use Buttons 1 and 2 (Up and Down) to change the frequency. Press Button 3 (Enter/Set) when you have arrived at the frequency you desire.

B. Group Select - By pressing Button 3 (Enter/Set) on this option you can select a group of preset frequencies for all 4 of your transmitters/receiver channels. Each transmitter would still need to go through the IR Sync function if not already in Sync.

C. IR Sync - This mode allows you to IR Sync your transmitters individually with your receiver. See the detailed explanation below.

D. Back - This is a back button.

Detailed Instructions for Accessing IR Sync Mode:

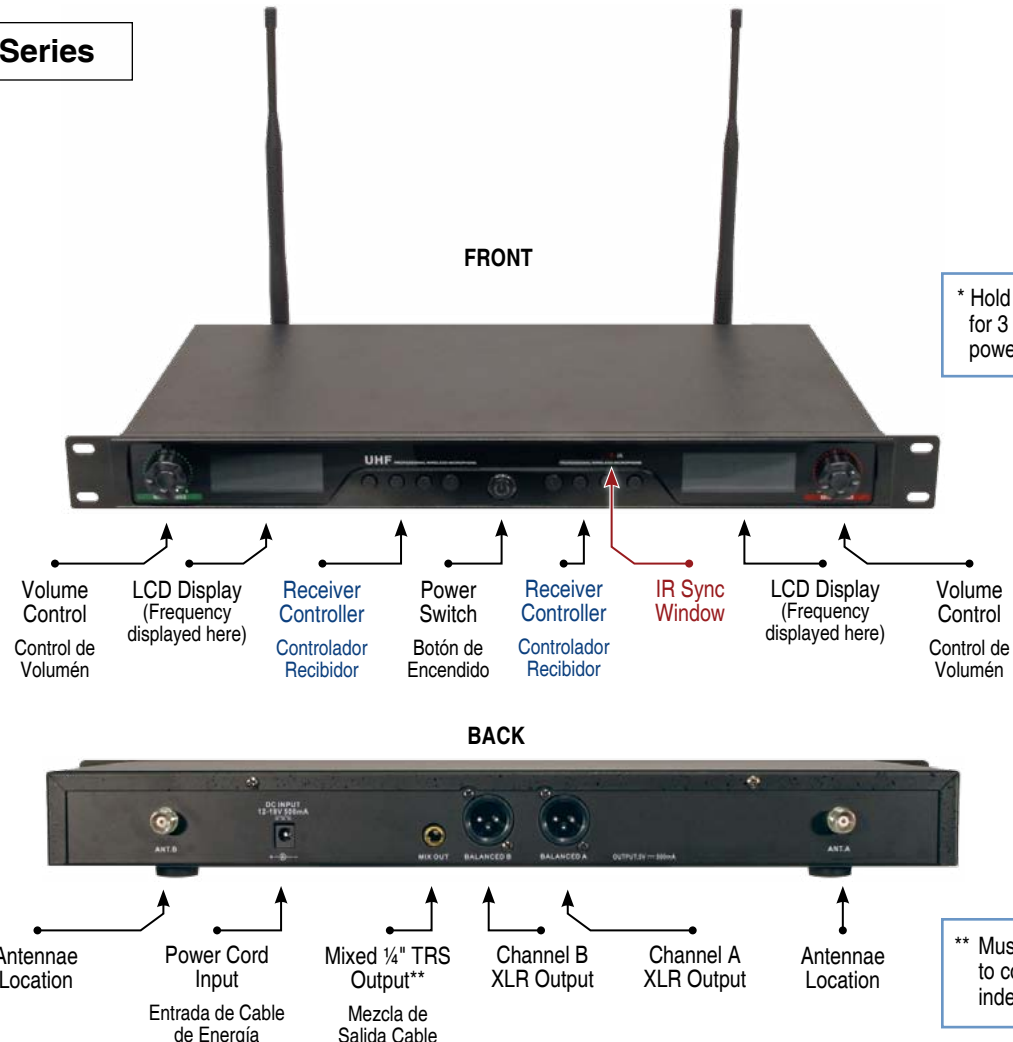
Step 1. Make sure all other microphone receivers and transmitters in the room are turned off except for the receiver and transmitter you are trying to sync.

Step 2. Press one of the 4 buttons on the right for 3 seconds. This should cause a menu screen to pop up with 4 options.

A. Fre Select

B. Group Select

PM-WP2N Series



* Hold power button for 3 seconds to power on.

** Must use XLR cables to control channels independently.

How to Access IR Sync Mode

Step 1. Make sure all other microphone receivers and transmitters in the room are turned off except for the receiver and transmitter you are trying to sync.

Step 2. Tap the button once that says "IR".

Step 3. After pressing "IR" the receiver will show IR - - - . The - - - lines will be moving. The Receiver is now in IR Sync Mode.

Step 4. Now hold the powered on transmitter up to the receiver with the IR window facing toward the "IR" location on your receiver. See photo above for the location of the IR window on your receiver. See pg. 13 for an example of facing the "IR Window" of both transmitter and receiver toward each other.

Step 5. When the receiver and transmitter connect properly the LCD display on the receiver will read "IR OK". The frequency displayed on your transmitter and receiver should now match.

Step 6. The receiver and transmitter are now in sync and the system is ready for use.

How to Sync your second Transmitter.

Your transmitters must be on different frequencies. Look at your first transmitter on which you have already done the "IR" sync process above. The LCD display on the transmitter should display what frequency or channel that transmitter is on.

For your second transmitter choose a Channel or Frequency that is different than your first transmitter. Do this by following the instructions below.

Step 1. On the side of the receiver that is associated with the second transmitter tap the "set" button to scroll through the mode options. Continue tapping the "set" button until it shows "FRE" or "CH" on the receiver LCD Display.

Step 2. Tap the "set" button again once you see your desired mode either "Fre" or "CH". Use either the "Fre" - Frequency selection mode to select a frequency or use the "CH" - Channel selection mode to select a channel. After tapping on the "FRE" or "CH" it will display a blinking Frequency or Channel.

Step 3. Choose your selected Frequency or Channel by using the arrow keys. Channel or Frequency must be different than the first transmitter so as to avoid interference. When you see the Frequency or Channel of your choice tap the "set" button again.

Step 4. Now follow IR sync instructions above to sync your second transmitter. Your transmitter should automatically tune to the last selected Frequency or Channel selected. You must sync the second transmitter using the controls on the opposite side of the receiver than you used for the first transmitter. Each transmitter must be on a different

frequency and matching the frequency or channel number with one of the LCD displays on the receiver.

Other Functions:

To select mode tap the “set” button to scroll through Options. When you see the desired mode press button once.

- (A) Fre – Frequency Selection Mode
 - (B) CH – Channel Selection Mode
 - (C) IR – IR Y/N
 - (D) Scan – Scan Mode
 - (E) SQL – Squelch Adjustment Mode
 - (F) POW – HIGH or LOW
 - (G) LOCK – LOCOFF or LOCON
- A. Fre (Frequency Selection Mode) – Press button once and the frequency will begin to blink. Now you can use the arrow buttons on the receiver to scroll through the frequency options. When you find your desired frequency option press the “set” button once.
- B. CH (Channel Selection Mode) – 10 channel frequency options. Press the “set” button once and the channel will begin to blink. Now you can use the arrow buttons on the receiver to scroll through the channel options of

1 through 10. When you find your desired channel then press the button once. Note: Each channel is a frequency.

- C. IR (IR Y/N) – Press button once and you should enter IR sync mode. This mode allows you to sync your transmitter and receiver to the same frequency (or channel).
- D. Scan (Scan Mode) – Press the “set” button on “Scan”. This mode will allow you to scan for an available channel.
- E. SQL (Squelch Adjustment Mode) – Press the “set” button on “SQL”. This mode will allow you to adjust the squelch if needed.
- F. POW (HIGH or LOW) – Press “set” button on “High” or “Low”. This mode allows you to select what strength setting you desire. “High” should be used if the speaker may be at a distance from the receiver during use. “Low” can be used if the speaker will be close to the receiver. Batteries may possibly drain more slowly at the “Low” setting.
- G. LOCK (LOCOFF or LOCON) – Press “set” button and then use arrow keys to choose “LOCOFF” or “LOCON” When in LOCON position receiver is locked in all settings. Must turn to LOCOFF to readjust settings on your receiver.

Note: Squelch can be used to eliminate interference.

How to Access IR Sync Mode

- Step 1. Make sure all other microphone receivers and transmitters in the room are turned off except for the receiver and transmitter you are trying to sync.
- Step 2. Tap the button once that says “IR”.
- Step 3. After pressing “IR” the receiver will show IR - - - . The - - - - lines will be moving. The Receiver is now in IR Sync Mode.
- Step 4. Now hold the powered on transmitter up to the receiver with the IR window facing toward the “IR” location on your receiver. See page 8 for the location of the IR window on your receiver. See page 13 for an example of facing the “IR Window” of both transmitter and receiver toward each other.
- Step 5. When the receiver and transmitter connect properly the LCD display on the receiver will read “IR OK”. The frequency displayed on your transmitter and receiver should now match.
- Step 6. The receiver and transmitter are now in sync and the system is ready for use.

How to Sync your second Transmitter.

Your transmitters must be on different frequencies. Look at your first transmitter that you have already done the “IR” sync process above. The LCD display on the transmitter should display what frequency or channel that transmitter is on.

For your second transmitter choose a Channel or Frequency that is different than your first transmitter. Do this by accessing the “IR” sync mode to sync your second transmitter on the opposite side of the receiver than the first transmitter that already went through the sync process.

- Step 1. On the side of the receiver that is associated with the second transmitter tap the “set” button to scroll through the mode options. Continue tapping the “set” button until it shows “FRE” or “CH” on the receiver LCD Display”.
- Step 2. Tap the “set” button again once you see your desired mode either “Fre” or “CH”. Use either the “Fre”- Frequency selection mode to select a frequency or use the “CH”- Channel selection mode to select a channel. After tapping on the “FRE” or “CH” it will display a blinking Frequency or Channel.
- Step 3. Choose your selected Frequency or Channel by using the arrow keys. Channel or Frequency must be different than the first transmitter so as to avoid interference. When you see the Frequency or Channel of your choice tap the “set” button again.
- Step 4. Now follow IR sync instructions above to sync your second transmitter. However, you must sync the second transmitter using the IR window that was not used for the sync process of the first transmitter. Your transmitter should automatically tune to the last selected Frequency or Channel selected. You must sync the second transmitter using the controls on the opposite side of the receiver than you used for the first transmitter. Each transmitter must be on a different frequency and matching the frequency or channel number with one of the LCD displays on the receiver.

Other Functions:

To select mode tap the “set” button to scroll through Options. When you see the desired mode press button once.

- (A) Fre – Frequency Selection Mode
 - (B) CH – Channel Selection Mode
 - (C) IR – IR Y/N
 - (D) Scan – Scan Mode
 - (E) POW – HIGH or LOW
 - (F) LOCK – LOCOFF or LOCON
- A. Fre (Frequency Selection Mode) – Press button once and the frequency will begin to blink. Now you can use the arrow buttons on the receiver to scroll through the frequency options. When you find your desired frequency option press the “set” button once.
- B. CH (Channel Selection Mode) – 10 channel frequency options. Press the “set” button once and the channel will begin to blink. Now you can use the arrow buttons on the receiver to scroll through the channel options of 1 through 10. When you find your desired channel then press the button once. Note: Each channel is a frequency.
- C. IR (IR Y/N) - Press button once and you should enter IR sync mode. This mode allows you to sync your transmitter and receiver to the same frequency (or channel).
- D. Scan (Scan Mode) – Press the “set” button on “Scan”. This mode will allow you to scan for an available channel.
- E. POW (HIGH or LOW) – Press “set” button on “High” or “Low”. This mode allows you to select what strength setting you desire. “High” should be used if the speaker may be at a distance from the receiver during use. “Low” can be used if the speaker will be close to the receiver. Batteries may possibly drain more slowly at the “Low” setting.
- F. LOCK (LOCOFF or LOCON) – Press “set” button and then use arrow keys to choose “LOCOFF” or “LOCON” When in LOCON position receiver is locked in all settings. Must turn to LOCOFF to readjust settings on your receiver.
- Note 1: This receiver requires that both power buttons be turned on.
- Note 2: This receiver requires one cable on each side of the receiver to be plugged in for each microphone to be used.
- Note 3: You must sync the second transmitter using the IR window that was not used for the sync process of the first transmitter.

