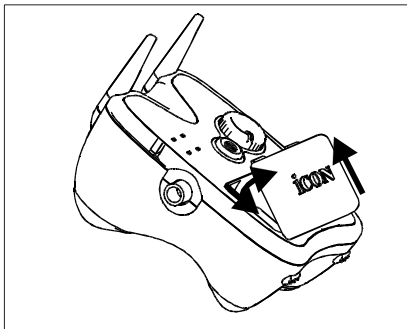


Quick Setting up and Using Your Beetles System

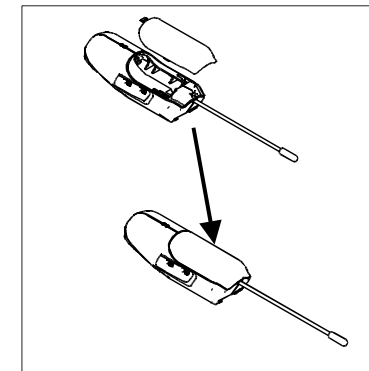
Setting up your Beetles Wireless system is easy and it won't take you more than few minutes to finish.
Follow the below steps:-

1. Unpack your Beetles Wireless System. You may save all the packing materials for packing purpose in the future.
2. Check if your Beetles Receiver are having the same RF Channels (U1-U10, please see P.9 for ICON Frequency Chart) labels as your Beetles Transmitter. They needed to be same for your Beetles wireless system working.



3. Insert a standard 9V alkaline battery into the Receiver's Battery Compartment or plug in the provided power adapter into the DC 9V jack.
4. Place the Receiver on the floor and lift up its dual antennas to the vertical position.
5. Make sure the powers are off for your Beetles Receiver and Transmitter.

6. Plug the cable jack to the output connector of your Receiver and connect it to your Amplifier or Mixer (make sure the power is off for your Amplifier or Mixer).
7. Turn the Receiver's Volume Control knob to the most anti-clockwise position (i.e. Min. Level) and push the Power knob to turn it on. The "ON" LED should light red.
8. Insert a standard 1.5V battery into your Beetles Transmitter Battery compartment. Then, turn the power on. The "ON" LED should light once.
9. Check the "RF" LED on your Receiver, it lights (green) indicating the Receiver receives good therefore signal from your Transmitter.

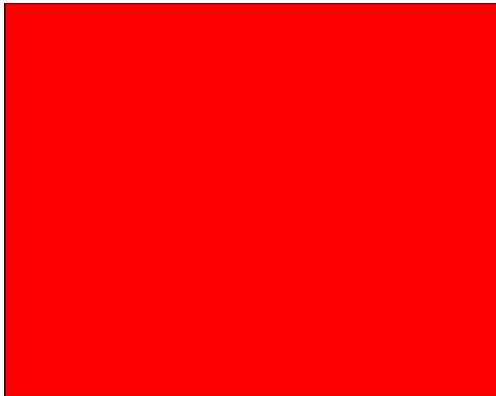




Quick Setting up and Using Your Beetles System

Notice

Please follow the below procedure to change the angle of the jack of your transmitter.



Press the knob down by your finger as shown on Diagram 1

Then rotate the jack, while you pressing the knob down, to your desire angle.

You should feel the "Click" Position when the jack turned to 90° or 120°.





Quick Setting up and Using Your Beetles System

10. Now, it's time to set your audio levels. Turn on your amplifier or mixer and keep its level to minimum.
11. Turn the output level of your electric/acoustic guitar or bass to the maximum and start playing at a normal performance level and keep observing the Beetles Receiver "RF" and "PEAK" LED. If PEAK LED stay on even Receiver's volume control is set to its minimum, switch on your Beetles Transmitter's "15dB Pad" switch. Otherwise, turn the volume control anti-clockwise until "PEAK" LED occasionally blinks red during the very loudest passages, then back it off just slightly; this will ensure maximum signal to noise ratio.
12. Finally, raise the level of your amp or mixer until the desired volume is reached.
13. If you hear distortion or Beetles Receiver "PEAK" LED lights red even with the "15dB Pad" engaged and receiver level control is set to minimum, please reduce the output level of your instrument until the "PEAK" LED no longer stay on all the time. Conversely, if you hear weak and noise signal at the desired volume level, make sure your instrument is set to maximum output level; the "15dB Pad" is not engaged and the Receiver volume control is turned up.

ICON Frequency Chart



Beetles Frequencies Chart

902.125MHz	U1
903.500MHz	U2
905.375MHz	U3
907.875MHz	U4
908.500MHz	U5
910.375MHz	U6
912.750MHz	U7
915.500MHz	U8
916.250MHz	U9
918.375MHz	U10
920.125MHz	U11
921.500MHz	U12
922.375MHz	U13
923.500MHz	U14
925.800MHz	U15
926.500MHz	U16



Specifications

Beetles Receiver

Oscillation Type	PLL Controlled
Frequencies Range	902.125MHz~926.500MHz
De-emphasis	50 μ n/sec
Level Control	Audio Level Volume, Squelch Level Control
Display	PEAK (Red), RF (Green), Low Batter (Red), ON (Red)
Sensitivity	More than S/N60dB at 22dBuV input
Squelch Sensitivity	17dBuV \pm 4dBV
T.H.D.	Less than 1%(at 1KHz)
S/N Ratio	More than 90dB
Audio Output Level	+8dBV max
Output Impedance	300 ohms ~ 2.5K ohms (Balanced)
Power	(DC-9V 400mA) 9V battery
Current Consumption	Less than 65mA
Antennas	Dual 1/4 wave length rod antennas

Beetles Transmitter

RF Output Power	3mW
Maximum Input Level	+3dBV
Input Impedance	30K ohms
THD	Less than 2%
Audio Frequency Response	50Hz ~ 15KHz (\pm 3.5dB)
Display	ON (Red)
Power	1.5V Typical, 1.05V Minimum, 2V Maximum
Current Consumption	60mA typical



Services

If your Beetles Wireless System needs the servicing, follow these instructions.

1. Ensure the problem is not related to operation error or external system devices.
2. Keep this owner's manual. Don't send the owner's manual to the service centre.
3. Pack the unit in its original packaging including end card and box. This is very important. If you have lost the packaging, please make sure you have packed the unit properly. ICON is not responsible for any damage that occurs due to non-factory packing.
4. Ship to the ICON technical support centre or the local return authorization.

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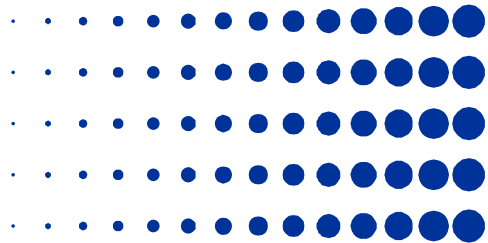
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For additional update information please visit our website at:

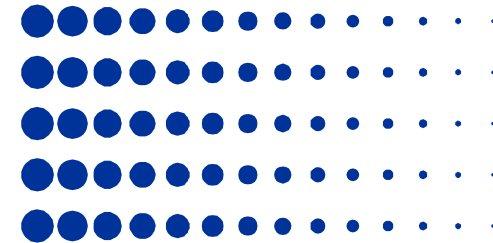
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FCC NOTE:

THE MANUFACTURER 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.

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.**