



## **Important Safety Instructions**

**WARNING: To avoid shock or personal injury, follow the instruction below**

1. Power supply should be turned off prior to servicing.
2. Do not operate the reverse switch until the fan blades have come to a complete stop.
3. To avoid possible shock, be sure electricity is turned off at the fuse box before wiring, and do not operate the fan without blades.
4. Observe all local and national electrical codes. The ceiling fan must be grounded as a precaution against possible electric shock.
5. The fan must be mounted with fan blades at least 7 feet from the floor to prevent accidental contact with the fan blades.
6. If you do not have adequate electrical knowledge or experience, have your fan installed by a licensed electrician.
7. This product is designed to use only the parts supplied with this product and/or accessories designated specifically for use with this product. Using parts and/or accessories not designated for use with this product could result in personal injury or property damage.
8. Do not insert foreign objects in between rotating fan blades.
9. For your safety, this is recommended to be a two person job.

## **ONE-YEAR WARRANTY**

### **Extend to the original purchaser of a Windmill Ceiling Fan**

1. ONE YEAR MOTOR LABOR WARRANTY - If your motor fails at any time within one year from the original purchase, due to defects in the materials or workmanship, The Windmill Ceiling Fan will provide replacement parts or labor/service performed at our warehouse. The customer will be responsible for labor charges after this one-year period. The customer shall also be responsible for all costs incurred in the removal or reinstallation and shipping of the product (unless communicated otherwise) for repairs or replacement.
2. This warranty is void and does not apply to damage due to climate, damage from improper installation, accident, misuse, exposure to extremes of heat or humidity, or as a result of any modification to the original product sold.
3. All costs of removal and reinstallation of the fan are the sole responsibility of the owner of the fan and not The Windmill Ceiling Fan Company.
4. Under no circumstances may a fan be returned without prior authorization from The Windmill Ceiling Fan Company. The fan must be properly packed to avoid damage in transit.
5. A certain amount of wobble is normal and should not be considered a problem or defect.

### **Tools Needed for Assembly (Not Included)**

- One philips head screwdriver
- One wire stripper
- One 5/16" bit
- One adjustable wrench



### ***The Patriot Motor Instructions***

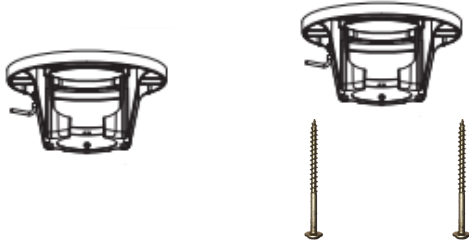
1. Install the ball mount bracket to the ceiling with the two set screws provided. The ball mount bracket must be securely mounted and capable of safely supporting 40-65 lbs. We recommend placing your fan to a ceiling stud. See **Figure 1**
2. Remove the ball mount by loosening the set screws until the ball can freely be removed. See **Figure 3**. The fan comes with a safety cable. Separate and untwist the wires and safety cable. Then, feed the wires and safety cable up through the down rod. See **Figure 4**. Attach the down rod to the motor aligning the clevis pin holes in the down rod with the clevis pin holes on the down rod coupling that is attached to the motor. See **Figure 2**. Install the clevis pin and secure it with the hairpin clip. See **Figure 3**. The hairpin clip and down rod must properly be installed to prevent the clevis pin from working loose or the motor will not work properly. Finally, assemble the coupling cover, canopy screw cover, and ceiling canopy on the down rod in the order shown on **Figure 4**. Once they're placed on the down rod they then may rest on top of the motor until further instruction. Feed the wires and safety cable through the ball mount and align the ball so the clevis pin is captured in the ball tight up against the hairpin clip. Securely tighten the set screw in the ball mount. See **Figure 5**. (Skip to Step 8 if you prefer the blades to be put on the fan blades before wiring.)
3. Make sure the electrical wires and safety cable, including the grounding wire, are pulled up through the down rod. Lift the fan and place the ball mount into the ball mount bracket, confirming the ball mount is lined up with the groove on the ball mount bracket.
4. Secure the safety cable. The steel cable must be fixed onto a secure frame or building structure or wrapped around the mounting bracket and be securely clamped in such a manner to support the weight of the fan. Sufficiently screw the eye bolt into a secure frame or building structure; Approximately no more than 12" from the center of the ceiling outlet box where you're connecting your fan. Loop the safety cable through the two cable clamps then through the eye bolt. Then, feed the safety cable back through the two cable clamps allowing approximately 3"-5" of slack. Once you've determined where the clamps need to be placed, firmly tighten the wire clamps. Cut off excess safety cable.
  - a. To remove the safety cable from the fan, simply use a long reach wire cutter and cut the safety cable where it is tied to the motor (beneath the center hub of the ring set). See **Safety Cable Reference Sheet**.
5. Connect the electrical motor wires to the receiver (Red, Grey, and Yellow. (Blue and Brown wires are for light ONLY. If there are no lights, cap off individually)). Next, connect all your ground wires to the ceiling grounds. Then, connect the household supply wires (120 Volt AC, 60 Hz, 15 amp circuit) to the receiver. (In simple terms, BLACK Fan Motor Wire to BLACK Supply Wire, WHITE Fan Motor Wire to WHITE Supply Wire.) See **Motor Wiring Diagram** sheet.
6. Thread the receiver through the ball mount bracket. Then, wrap the wire along the ball mount bracket to prepare to install the ceiling canopy. See **Figure 6**.



7. Lift the ceiling canopy up to the ball mount bracket and align it with the mounting screws. Then attach the ceiling canopy with the two small screws provided. Next, place the canopy screw cover over the screws.
8. Attach the blades to the ring set using the self tapping screws provided. The blades are to be attached by matching the numbers labeled on the back of the blades to the numbers labeled on the ring set. (If you came from Step 2, return to Step 3 while considering removing 3 blades to make room for you to be closer to the motor during installation.)
9. Installing Control
  - a. **Wall Control Option.** The Wall Control and Receiver have been synced in manufacturing. With the electrical power still disconnected, remove the existing plate and switch. Then, connect the **AC IN L** wire to the AC Power Source wire. After that, connect the Black **MOTOR L** wire to the Black **AC IN L** house wire. Finally, connect the neutral house wire to the neutral white wire. Then attach the wall control to the outlet box using the two screws provided. See **Figure 7**.
  - b. **Remote Control Option.** *Fans powered with the remote control option have to be wired to an on/off house switch.* Attach the wall plate using the two provided screws. See **Figure 8**. If your remote is not responding, check to make sure the dip switch pattern is the same on both the receiver and remote. See **Frequency Setting** diagram on the **Wiring Diagram** sheet.
10. Complete the Learn Process thus allowing the motor to learn the blade system weight.
  - a. Allow the power to turn back on, do not press any buttons before pressing the 'learn' button, otherwise it will fail the Learn Process. If you press a button before the 'learn' button, turn the power off then on again, and start the process again.
  - b. After restoring power to your fan, press the 'learn' button once within 30 seconds of restoring power to the fan. See **Frequency Setting** diagram on the **Wiring Diagram** sheet to locate the learn button. (Pressing the 'learn' button multiple times during the learn process can burn out the receiver.)
  - c. When you press the 'learn' button you will hear 1 "beep" and the fan will start to run and begin the Learn Process.
  - d. DO NOT press any button(s) after pressing the 'learn' button while the fan is completing the learn process or it will interrupt the process and you will have to start again. Allow your fan to run through the Learn Process for approximately 5 minutes.
  - e. When the fan stops after approximately 5 minutes, you will hear 2 "beeps" which indicates that the Learn Process is now complete.
11. The Fan is now ready for normal use. To Properly turn on your fan, press the up arrow once. *The fan works best when starting on a low speed and gradually increasing.* See **Control Functions** sheet. Remember to be patient with your fan(s). It is normal to see your fan turn on and then come to a complete stop and start spinning the opposite direction, and/or slightly "shimmy" back and forth before it returns to full speed. This is because the fan was turned off at a high speed and it is cautiously trying to "remember" how to get back to that specific speed. If you do not want to wait for it to "think", we recommend turning your fan down to a low speed before powering off.
12. If you are still having trouble please see our **Troubleshooting** sheet on Page 9 for further instruction.

## Photo Reference Sheet:

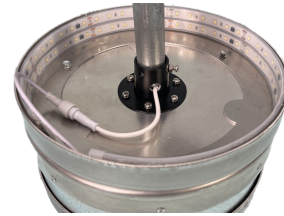
**Figure 1**



Ball Mount Bracket

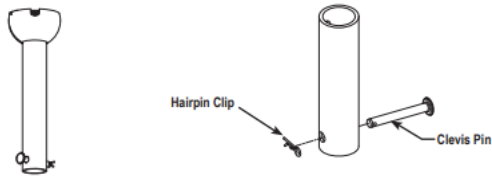
Suitable Screws

**Figure 2**



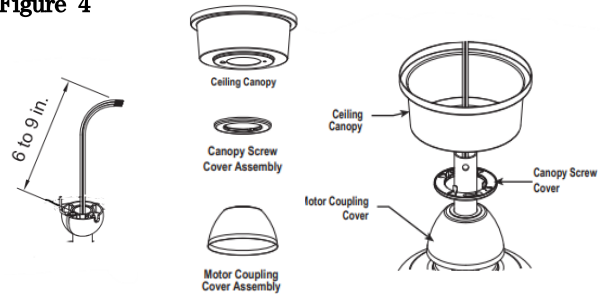
LED light attached to the motor

**Figure 3**

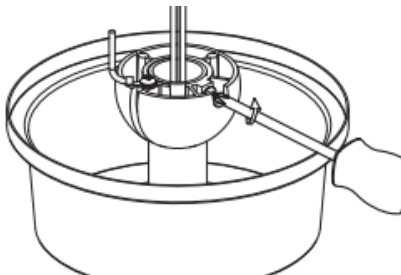


Ball mount and  
down rod

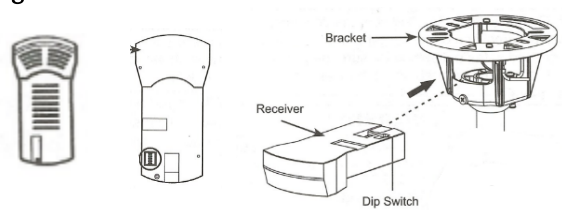
**Figure 4**



**Figure 5**



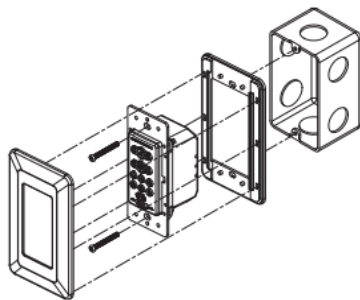
**Figure 6**



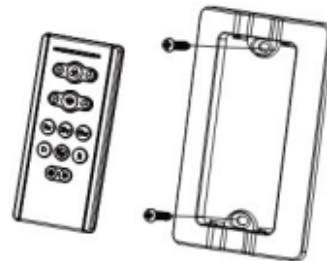
Receiver

How to thread the  
receiver through the ball mount

**Figure 7**

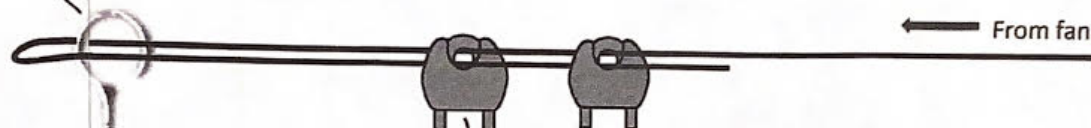


**Figure 8**

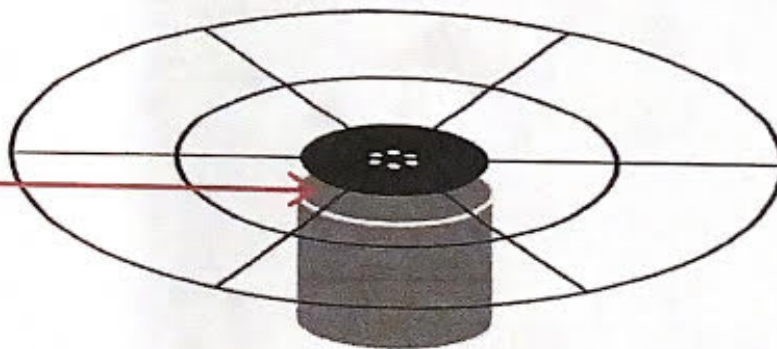


## Safety Cable Reference

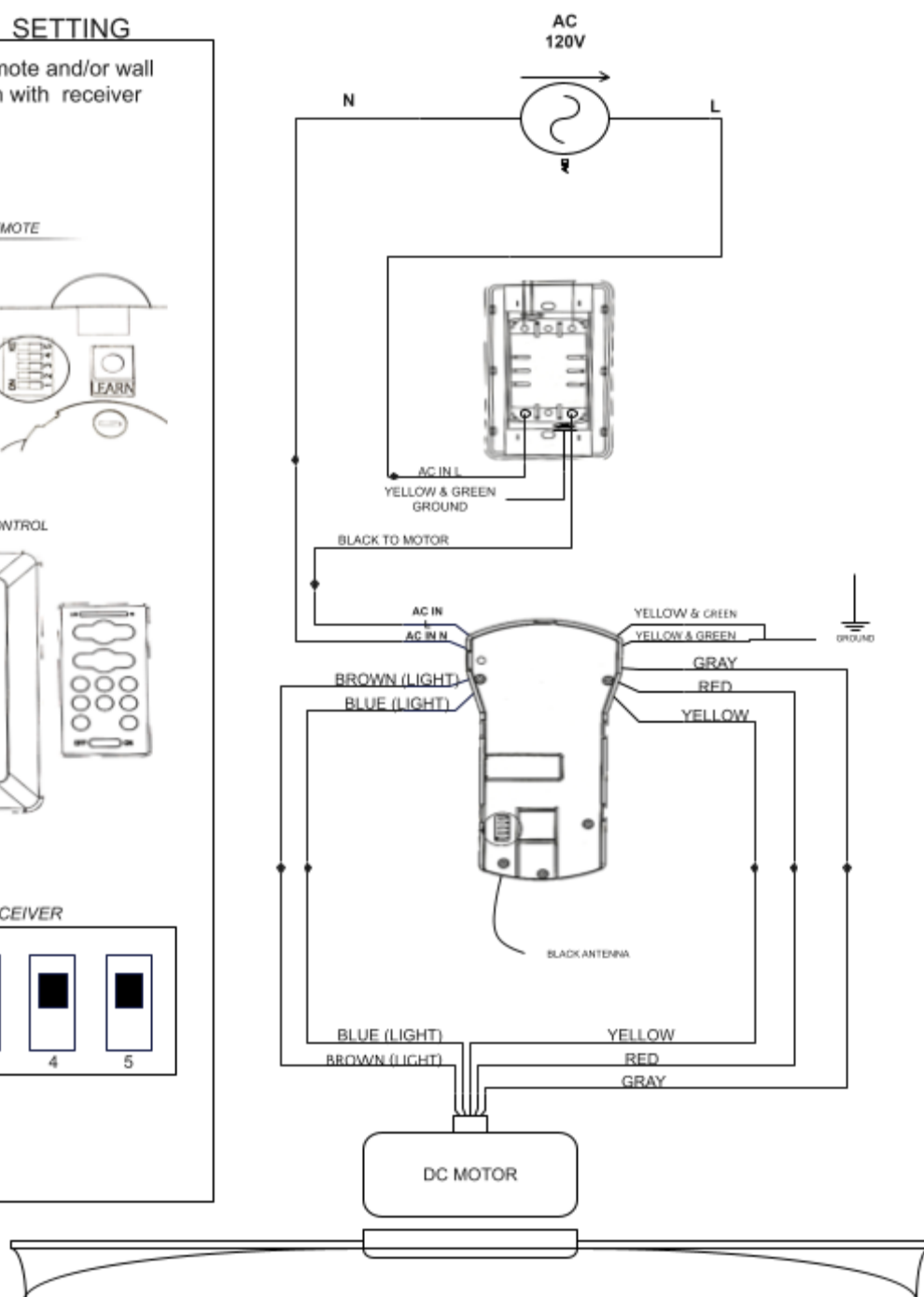
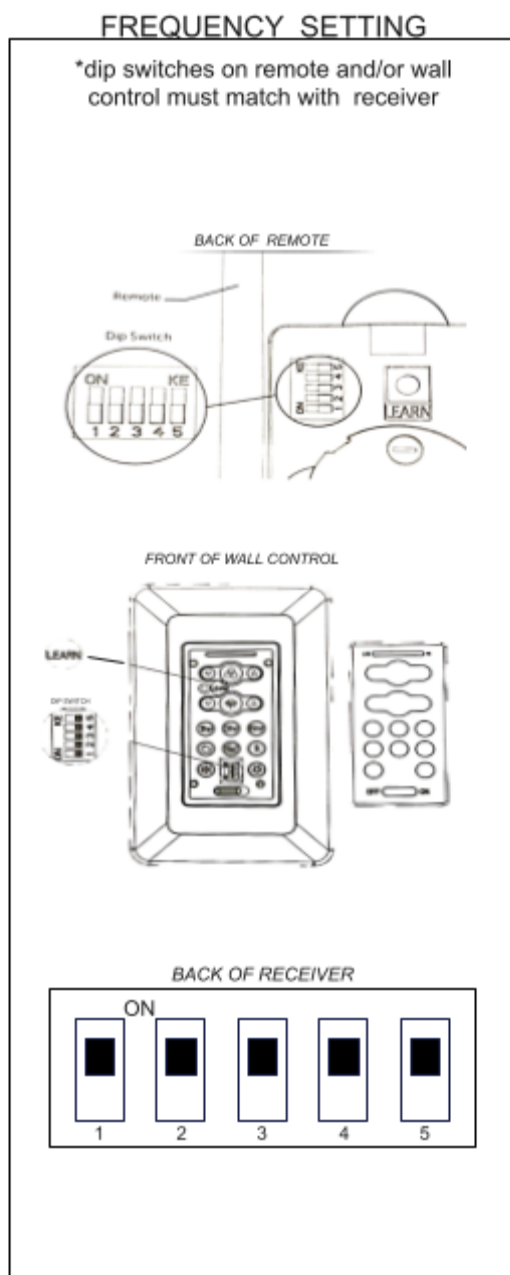
Eye screw



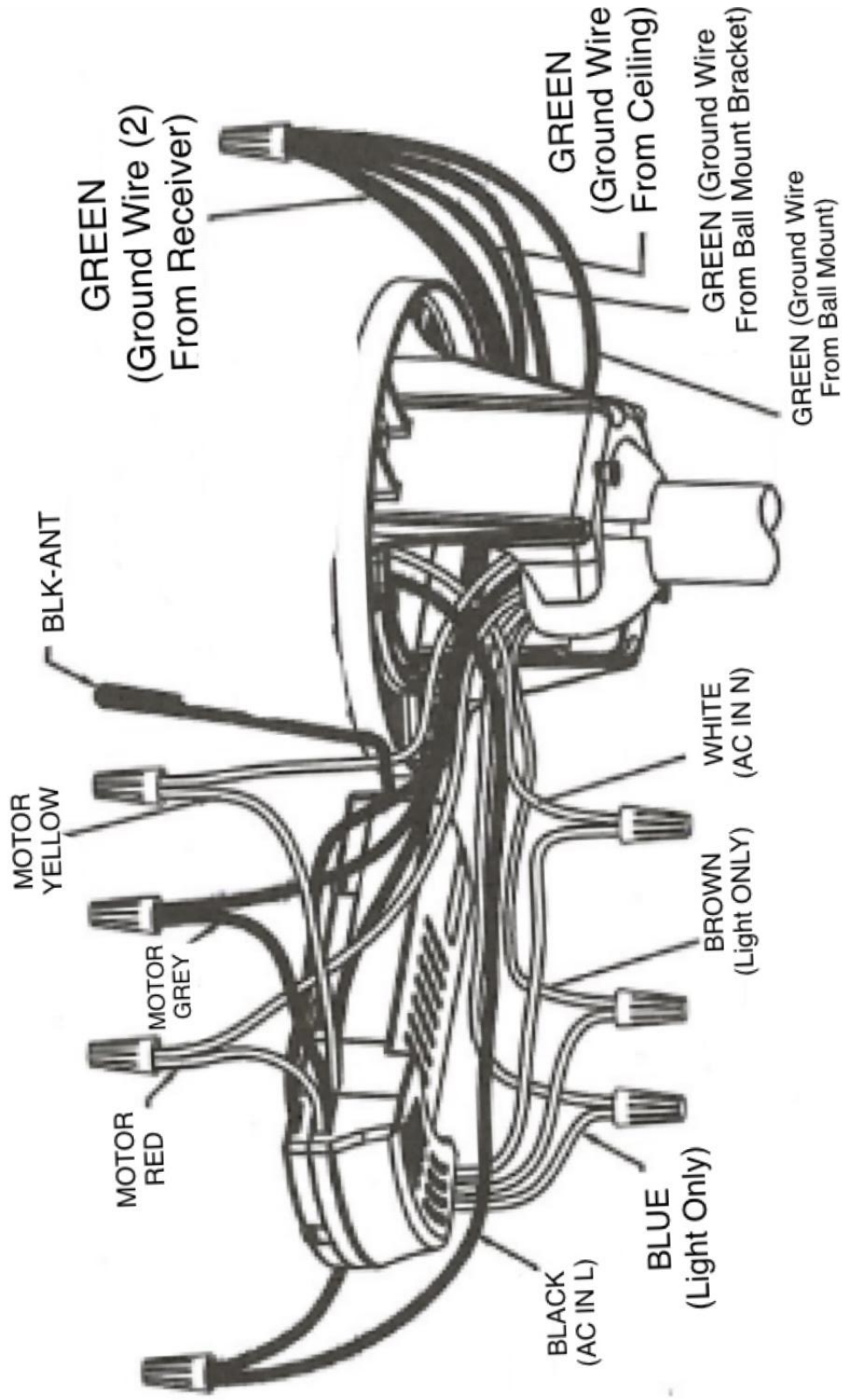
Steel wire clamps



## Wiring Diagram







## Control Functions



LED : to show fan speed or light's function setting





: Fan Speed Control Key



: press only to turn the fan off



: press the  key or  key to turn on and change the fan speed




: Light Control Key



ON / OFF : Press and release immediately to turn on and off the light



Dimmer : Press  or  and hold then release to dim or brighten the light to the desired level



: Time Settings



: Press to activate The Windmill Ceiling Fan to turn off after 1 hour



: Press to activate The Windmill Ceiling Fan to turn off after 3 hours



: Press to activate The Windmill Ceiling Fan to turn off after 6 hours



Home Shield: Press and hold the button for 3 seconds to activate the setting. The fan will remain off and the light will randomly turn on and off while you are away from home.



Walk Away: Press once to activate the setting. The light and fan will turn off after one minute



Wind: Press the key to activate the setting. It will generate a set fan speed for creating natural wind



Winter: Press the key for The Windmill Ceiling Fan to spin clockwise



Summer: Press the key for The Windmill Ceiling Fan to spin counterclockwise



*\* If you have the Remote Option flip on the house switch to the on position. This allows the receiver to connect to the remote.*





## Troubleshooting

Trouble	Cause	Shooting
<b>1. The Fan turns slowly then stops (repeatedly)</b>	1. The set screws, where the down rod connects to the motor, are loose  2. The motor and receiver wires do not have a strong connection   3. The frequency setting do not match  4. The wall control light is not on.	1. Tighten the set screws where the motor and down rod connect  2. Check that all the wires from the motor are color coded to their respective receiver wires. After doing so, repeat the learning process.  <b>CAUTION: Make sure the main power source is turned off!</b>  3. Check that the frequency settings on the receiver match the wall control and/or remote. Then, repeat the learning process.  4. Call our helpline.
<b>2. The motor jerks clockwise and counterclockwise (shimmies)</b>	1. The set screws, where the down rod connects to the motor, are loose  2. The motor and receiver wires do not have a strong connection   3. The frequency setting do not match  4. The wall control light is not on.	1. Tighten the set screws where the motor and down rod connect  2. Check that all the wires from the motor are color coded to their respective receiver wires. After doing so, repeat the learning process.  <b>CAUTION: Make sure the main power source is turned off!</b>  3. Check that the frequency settings on the receiver match the wall control and/or remote. Then, repeat the learning process.  4. Call our helpline.
<b>3. The fan does not turn on at all</b>	1. The set screws, where the down rod connects to the motor, are loose  2. The motor and receiver wires do not have a strong connection   3. The frequency setting do not match  4. The wall control light is not on.  5. The receiver wire lights are wired together.	1. Tighten the set screws where the motor and down rod connect  2. Check that all the wires from the motor are color coded to their respective receiver wires. After doing so, repeat the learning process.  <b>CAUTION: Make sure the main power source is turned off!</b>  3. Check that the frequency settings on the receiver match the wall control and/or remote. Then, repeat the learning process.  4. Call our helpline.  5. The receiver has been blown and you will need a replacement. Please call our helpline below.

***Call our helpline for questions at (972) 439-6628  
or our technician for assistance at (469) 796-6572***