

**CEILING FAN INSTALLATION  
AND OPERATION MANUAL  
(MODEL NUMBER:AC-30452)**

**READ AND SAVE THESE INSTRUCTIONS**

# SAFETY PRECAUTIONS

## WARNING-INSTALLATION SHOULD BE PERFORMED BY A QUALIFIED ELECTRICIAN

1. To ensure the success of the installation, be sure to read the instructions and review the diagrams thoroughly before beginning.
2. All electrical connections must be in accordance with local codes, ordinances or National Electrical Code. If you are unfamiliar with methods of installing electrical wiring secure the services of a qualified electrician.
3. Make sure that your installation will not allow rotating fan blades to come in contact with any object.
4. If you are installing more than one ceiling fan, make sure that you do not mix fan blade sets.
5. Only mount fan to outlet box marked acceptable for ceiling fan.
6. Installation to a concrete ceiling should be performed by a qualified electrician.
7. Before beginning, disconnect power by removing fuse or turning off circuit breaker.
8. After fan is completely installed, make sure that all connections are secured to prevent fan from falling.
9. Do not insert anything into the fan blades while ceiling fan is operating.
10. The fan must be mounted with the blades at least 2.13m (7') from the floor to minimum the possibility of accidental contact with the fan blades.
11. The supply wires Live & Neutral must be connected to wall switch (double poles) having a contact separation at least 3mm in all poles.

NOTE : The important safeguards and instructions appearing in the manual are not meant to cover all possible conditions and situations that may occur. It must be understood that common sense. Caution and carefulness are factors which cannot be built into any product. These factors must be supplied by the person(s) caring for and operating the unit.

### WARNING

To reduce the risk of personal injury, do not bend the blades when installing the blades, balancing the blades or cleaning the fan. Do not insert foreign objects between rotating fan blades.

### WARNING

The box must be supported directly by the building structure. The box and its support must be able support the fan weight - must not twist or work loose. Do not use plastic boxes.

## Installing Blade Assembly

1. Attach each blade assembly to the fan body using the blade screws. Tighten them securely.(See Fig.1)

**Caution: To reduce the risk of personal injury. Do not bend the blade when installing, balancing or cleaning the fan. Do not insert foreign objects between rotating fan blades.**

2. Screw on the decorative cap. (See Fig.2)
3. Align the hole of fixing ring with blade, and use the hex screws and wrench to assemble the fixing ring with blade.(See Fig.3)

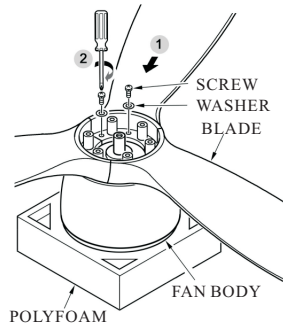


FIG.1

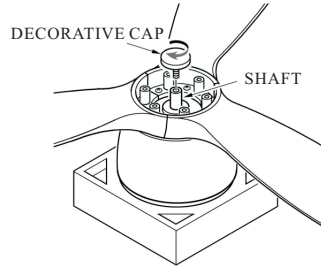


FIG.2

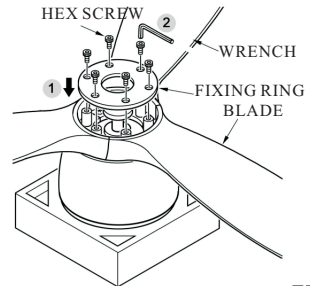


FIG.3

## Putting Your Fan Together

1. Remove the hairpin clip & washer from the clevis pin and remove clevis pin from down rod. (see Fig.4)
2. Insert the down rod through the center opening in the canopy, canopy hole cover, coupling cover and route the motor lead wires through the hanger ball/ downrod assembly. Align the holes in the downrod with the holes in the motor coupling. The clevis pin must pass through the holes in the motor coupling and the downrod. Place the washer onto the clevis pin and install the hairpin clip making sure to push straight leg of the hairpin clip through the hole near hanger ball to make sure the clevis pin is properly installed(see Fig.5)
3. Reinstall the 2 set screws in the motor coupling and securely tighten set screws against the down rod assembly.

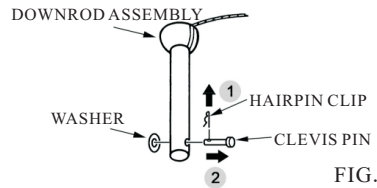


FIG.4

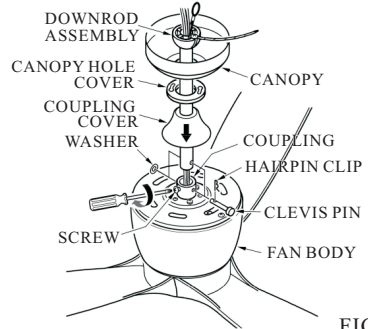


FIG.5

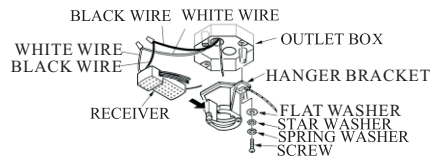


FIG.6

## Hanging Your Ceiling Fan

1. Securely attach the hanger bracket to the outlet box by washers and screws supplied. Connect white wire from ceiling to white wire from receiver with wire nut. Connect black wire from ceiling to black wire from receiver with wire nut. (see Fig.6)
2. Carefully lift the fan and seat the down rod ball assembly on the hanger bracket. Be sure the groove in the ball is lined up with tab on the hanger bracket. Do not pinch wires between the ball and down rod assembly and hanger bracket (see Fig.6)
3. Install the safety cable into the building structure. (see Fig.7)

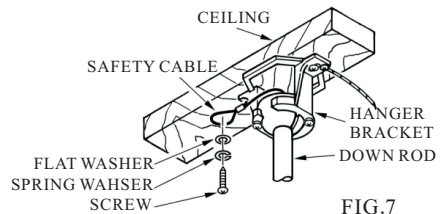


FIG.7

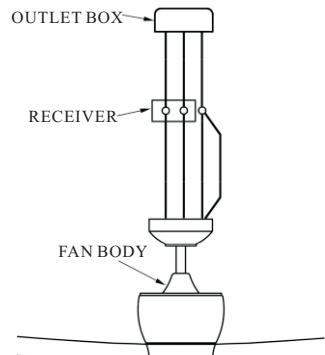


FIG.8

## Wiring Your Ceiling Fan

**Caution:** To avoid possible electrical shock, be sure electricity is turned off at the main fuse box before wiring.

1. If you are not sure that the electrical box is grounded, contact a licensed electrician for advice. It must be grounded for safe operation.

2. Connect the white wire from receiver to the white wire from fan with wire nut. Connect the black wire from receiver to the black wire from fan with wire nut. Connect the blue wire from receiver to the blue wire from fan with wire nut. Connect the green wire from ceiling, and green wire from hanger bracket with green wire from downrod ball with wire nut. (see Fig.8)

3. Remove one of screws and loosen the other screw from the hanger bracket. (see Fig.9)

4. Mount the canopy on the hanger bracket and tighten the screws. (see Fig.10)

5. Place the canopy hole cover over the screws and twist the cover to tighten. (see Fig.11)

## Fan Airflow Direction

Slide the reverse switch to right or left to obtain opposite direction of airflow. (See Fig.12)

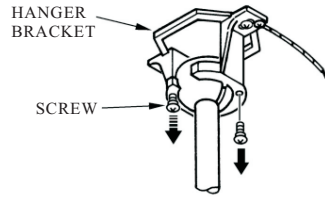


FIG.9

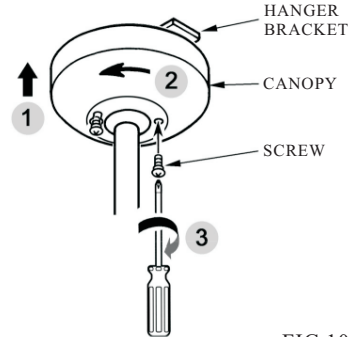


FIG.10

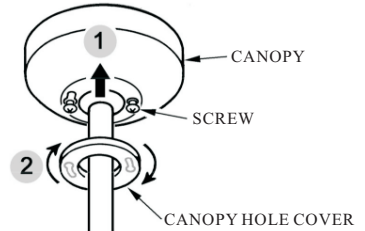


FIG.11

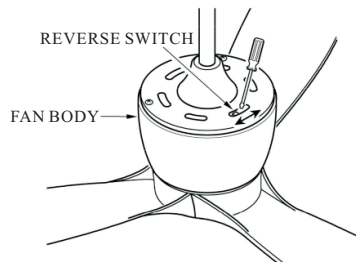
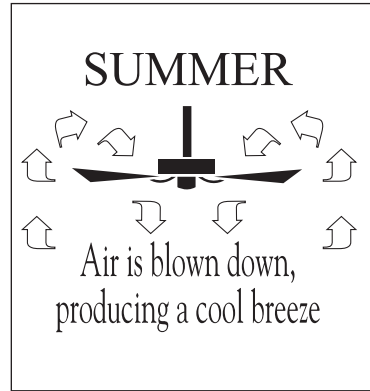


FIG.12

## Operation in Summer

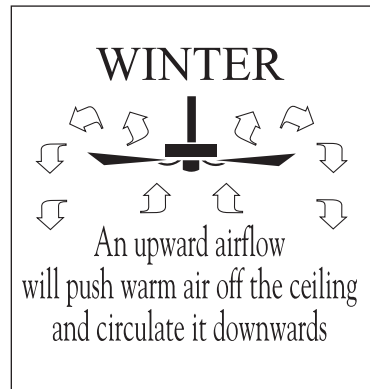
In warm weather, the reverse switch should be set to produce a downward flow of air. The constant, gentle breeze will transfer heat from your body; thus, you will feel cooler even if the temperature remains unchanged. This cooling effect is referred to as a wind-chill factor. In an air-conditioned home, the wind-chill factor will allow you to set the thermostat higher than the usual setting. While using less energy to air-condition your home, you will stay just as cool.

For summer cooling, set the speed control on medium or fast speed. This will provide sufficient airflow to accomplish a cooling effect. The exception to this is in bedrooms where a brisk, downward flow would be too chilly. A low-speed, gentle breeze is all that is necessary to keep you comfortable at night.



## Operating in Winter

Winter comfort requires a different approach. Because warm air rises the air close to the ceiling is always warmer-by perhaps 15 degrees-than the air close to the floor. To prevent heat from hovering where it does little good, move the reverse switch to create an upward airflow. This will pull cool air up and force warm air across the ceiling and down the walls. Set the speed control fast enough to break up the air stratification, but slow enough not to create a draft. By keeping the heat circulating, the heater will not have to operate as often to keep you warm.



## CARE OF YOUR FAN

Here are some suggestions to help you maintain your fan.

1. Because of the fan's natural movement, some connections may become loose. Check the support connections, brackets, and blade attachments twice a year. Make sure they are secure. (It is not necessary to remove fan from ceiling.)
2. Clean your fan periodically to help maintain its new appearance over the years. Use only a soft brush or lint-free cloth to avoid scratching the finish. The plating is sealed with a lacquer to minimize discoloration or tarnishing. Do not use water when cleaning. This could damage the motor, or the wood, or possibly cause an electrical shock.
3. There is no need to oil your fan. The motor has permanently lubricated sealed ball bearings.

# TROUBLE SHOOTING

Problem	Solution
Fan will not start.	<ol style="list-style-type: none"><li>1. Check main and branch circuit fuses or breakers.</li><li>2. Check line wire connections to the fan and switch wire connections in the switch housing.</li><li>3. Check to make sure the dip switches from the transmitter and receiver are set to the same frequency.</li></ol>
Fan sounds noisy.	<ol style="list-style-type: none"><li>1. Make sure all motor housing screws are snug.</li><li>2. Make sure the screws that attach the fan blade bracket to the motor hub are tight.</li><li>3. Make sure wire nut connections are not rattling against each other or the interior wall of the switch housing.</li><li>4. Allow a 24-hour "breaking-in" period. Most noises associated with a new fan disappear during this time.</li><li>5. If using ceiling fan light kit, make sure the screws securing the glassware are tight. Check that the light bulb is also secure.</li><li>6. Make sure there is a short distance from the ceiling to the canopy. It should not touch the ceiling.</li><li>7. Make sure your ceiling box is secure and rubber isolator pads are used between mounting bracket and outlet box.</li></ol>
Remote control malfunction.	<ol style="list-style-type: none"><li>1. Do not connect the fan with a wall mounted variable speed control(s).</li><li>2. Make sure the dip switches are set correctly.</li></ol>
Fan wobble.	<ol style="list-style-type: none"><li>1. Check that all blade and blade arm screws are secure.</li><li>2. Most fan wobbling problems are caused when blade levels are unequal. Check this level by selecting a point on the ceiling above the tip of one of the blades. Measure this distance. Rotate the fan until the next blade is positioned for measurement. Repeat for each blade. The distance deviation should be equal within 1/8".</li><li>3. Use the enclosed Blade Balancing Kit if the blade wobble is still noticeable.</li><li>4. If the blade wobble is still noticeable, interchanging two adjacent (side by side) blades can redistribute the weight and possibly result in smoother operation.</li></ol>

**WARNING:** TO REDUCE THE RISK OF PERSONAL INJURY, DO NOT BEND THE BLADE ARM WHILE INSTALLING, BALANCING THE BLADES, OR CLEANING THE FAN. DO NOT INSERT FOREIGN OBJECTS BETWEEN ROTATING FAN BLADES.



# FAN REMOTE WALL CONTROL

MODEL:UC72080T

**WARNING! SHUT OFF THE POWER WITH FUSE OR CIRCUIT BREAKER.**

**NOTE:** The frequencies on the Receiver and Transmitter have been preset at the factory. Before installing the Receiver, make sure the dip switches on the Receiver are set to the same position as on the Transmitter (FIG.1). The dip switches on the Transmitter are located on one side of the control.

## 1. SAFETY PRECAUTIONS:

- **WARNING: HIGH VOLTAGE:** Disconnect the electric power source by removing fuse or switching off circuit breakers.
- Do not use with solid state fans.
- Electrical wiring must meet all local and national electrical code requirements.
- Electrical source and fan must be 115/120 volt, 60Hz. Maximum fan motor amps: 1.0. Maximum light watts: 300-incandescent only.
- Household electric power can cause serious injury or death.

**NOTE:** BEFORE INSTALLATION OF THE NEW REMOTE CONTROL, MAKE SURE THE FAN IS SET TO THE HIGHEST SPEED.

## 2. INSTALLING THE RECEIVER (FIG.2)

- Remove the ceiling fan canopy from the mounting bracket.
- Disconnect the existing wiring between ceiling fan and the junction box.

## 3. CONNECTING THE RECEIVER

Use the wire nuts provided and make electrical connections as follows:

- Connect Green wire from fan to the Bare copper (ground) from junction box.
- Connect Black wire (AC IN L) from the Receiver to the Black wire from the junction box.
- Connect White wire (AC IN N) from the Receiver to the White wire from junction box.
- Connect White wire (TO MOTOR N) from the Receiver to the White wire from fan.
- Connect Black or Red wire (TO MOTOR L) from the Receiver to the Black or Red wire from fan.
- Connect Blue wire (FOR DOWN LIGHT) from the Receiver to the Blue wire from fan.
- After wires are connected, carefully tuck them into the junction box.
- Lay the black antenna wire on top of the Receiver and insert into the mounting bracket.
- Reinstall the canopy onto the mounting bracket.

## 4. INSTALLING THE CONTROL SYSTEM WALL PLATE

Select a location to install your control system transmitter. You can replace the existing wall switch or install the transmitter on ANY flat surface.

- Option 1: Install the control system by using an existing wall switch outlet box. Make sure the electric power is **TURND OFF** at the main panel before continuing.
- Step.1. Remove the existing wall plate and the old switch from the wall outlet box. Wire nut the BLACK leads (hot) together and push back inside the outlet box.
- Step.2. Attach the metal plate and wall plate to the existing wall outlet box with 4 screws provided. Then place the plastic plugs into the wall plate. (FIG.3)
- Option 2: Install the control system on ANY flat surface. Select the desired location and use the wall plate to mark the location for the mounting holes. Plastic wall anchors and screws are provided for this type of installation.

## 5. INSTALLING THE BATTERY INTO THE TRANSMITTER

Remove the battery compartment cover on the back of the transmitter and insert both batteries provided. Make sure the "+" sign is facing upwards. (FIG.4)

## 6. OPERATING THE TRANSMITTER

a. "•••••" buttons:

These three buttons are used to select the fan speed. Press and release the button of the desired speed setting;

- =Highest speed
- =Medium speed
- =Lowest speed

b. "▲" button: For down lights on and off.

c. "▲" Button: This button will turn the light on or off and will also control the brightness setting. Press and release the button and the light will turn on or off. Press and hold the button for the desired brightness. The light will cycle continuously between bright and dim settings as long as the button is held down. The light key has auto resume, it will stay at the same brightness as last time when it was turned off.

d. "⏻" This button will turn the fan off.

e. Memory function

If you turn off the fan or light by wall control, it will memorize and recover automatically to last time's fan speed and light brightness when turned on next time.

f. This remote control is equipped with 16 code combinations to prevent possible interference from other remote units such as garage door openers, car alarm or security systems. If your fan or light kit goes on and off without using the remote control, simply change the combination code in your Transmitter and Receiver.

## 7. TROUBLE SHOOTING GUIDE

Q. Fails to operate

A. Make sure all connections on the Receiver and Transmitter are correct and no loose wires or wire connections. Make sure fan pull chain is set to the highest speed. Make sure the code switches set on the Receiver and Transmitter are the same.

## CAUTION:

Ceiling Angel Shall Not Exceed 30 Degrees For Mounting Controller.

FCC ID : CHQ7208T

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;
- (2) This device must accept any interference received, including interference that may cause undesired operation.

