



installation and
operation manual
for Hunter
Ceiling Fans





Your new Hunter® ceiling fan is an addition to your home or office that will provide comfort and performance for many years. This installation and operation manual gives you complete instructions for installing and operating your fan.

We are proud of our work. We appreciate the opportunity to supply you with the best ceiling fan available anywhere in the world. Before installing your fan, record the following information for your records and warranty assistance. Please refer to the carton and the Hunter nameplate label (located on the top of the fan motor housing) for the proper information.

Model Name: _____

Catalog/Model No.: _____

Serial No.: _____

Date Purchased: ___ / ___ / _____

Where Purchased: _____

Please also attach your receipt or a copy of your receipt for reference.

cautions and warnings

- **Read entire booklet carefully before beginning installation. Save these instructions.**
- **Use only Hunter replacement parts.**
- **To reduce the risk of personal injury, attach the fan directly to the support structure of the building according to these instructions, and use only the hardware supplied.**
- **To avoid possible electrical shock, before installing your fan, disconnect the power by turning off the circuit breakers to the outlet box and associated wall switch location. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.**
- **All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, you should use a qualified electrician.**
- **To reduce the risk of personal injury, do not bend the blade attachment system when installing, balancing, or cleaning the fan. Never insert foreign objects between rotating fan blades.**
- **To reduce the risk of fire, electrical shock, or motor damage, do not use a solid-state speed control with this fan. Use only Hunter speed controls.**
- **Ceiling height must be a minimum of 9 feet.**

getting ready

To install a ceiling fan, be sure you can do the following:

- Locate the ceiling joist or other suitable support in ceiling.
- Drill holes for and install wood screws.
- Identify and connect electrical wires.
- Lift 40 pounds.

If you need help installing the fan, your Hunter fan dealer can direct you to a licensed installer or electrician.

gathering the tools

You will need the following tools for installing the fan:

- Electric drill with 9/64" bit
- Standard screwdriver
- Phillips-head screwdriver
- Wrench or pliers

considering optional accessories

Consider using Hunter's optional accessories, including a wall-mounted or remote speed control. To install and use the accessories, follow the instructions included with each product. For quiet and optimum performance of your Hunter fan, use only Hunter speed controls.

checking your fan parts

Carefully unpack your fan to avoid damage to the fan parts. Check for any shipping damage to the motor or fan blades. If one of the fan blades was damaged in shipment, return all the blades for replacement.

NOTE: If you are installing more than one fan, keep the fan blades in sets, as they were shipped.

If any parts are missing or damaged, contact your Hunter dealer or call Hunter Parts Department at 888-830-1326.

choosing a mounting site

Standard Mounting (Figure 1) hangs from the ceiling by a downrod (included), for ceilings 9 feet or higher. For ceilings higher than 9 feet, you can purchase Hunter extension downrods. All Hunter fans use sturdy 3/4" diameter pipe to assure stability and wobble-free performance.

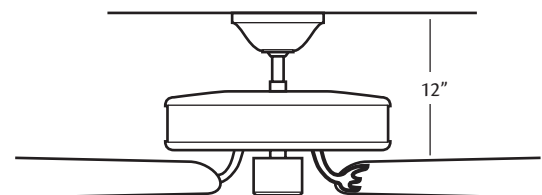


Figure 1 - Standard mounting

Angle Mounting (Figure 2) hangs from a vaulted or angled ceiling.

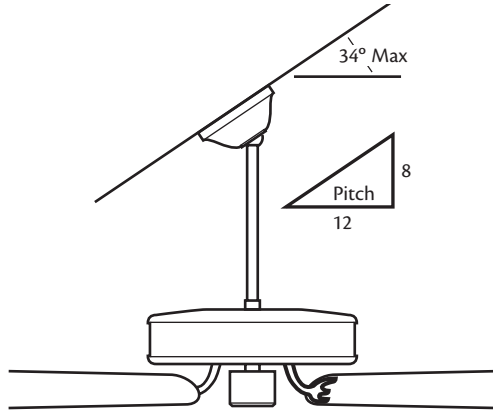


Figure 2 - Angle mounting

preparing the fan site

These guidelines are designed to help you select the best location for your fan and to prepare the site prior to installing the fan. Proper ceiling fan location and attachment to the building structure are essential for safety, reliable operation, maximum efficiency, and energy savings.

choosing the fan site

Within the room where you want to install the fan, choose a fan site where:

- No object can come in contact with the rotating fan blades during normal operation.
- The fan blades are at least 7 feet above the floor and the ceiling is at least 9 feet high.
- The fan blades have no obstructions to air flow, such as walls or posts, within 30 inches of the fan blade tips.
- The fan is directly below a joist or support brace that will hold the outlet box and the full weight of the fan.

See Figure 3 for the minimum mounting distances.

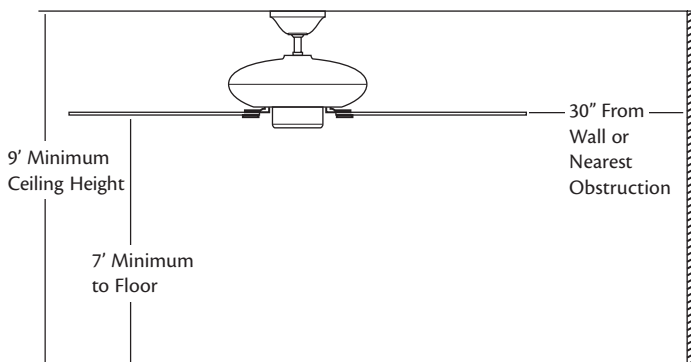


Figure 3 - Minimum mounting distances

using an existing fan site

If you are preparing a new fan site, go to the **preparing a new fan site** section.

If you plan to use an existing fan site, complete the following checklist for the support brace, ceiling hole, outlet box, and wiring. If you cannot check off every item, see the **preparing a new fan site** section for instructions on properly preparing the site for your new fan.

fan support system

- Fan must attach directly to building structure.
- Fan support system must hold full weight of fan and light kit.

ceiling hole

- Outlet box clearance hole directly below the joist or support brace.

outlet box

- UL-approved octagonal 4" x 1-1/2" outlet box (or as specified by the support brace manufacturer).
- Outlet box secured to joist or support brace by wood screws and washers through inner holes of outlet box.
- Outer holes of outlet box aligned with joist or support brace.
- Bottom of outlet box recessed a minimum of 1/16" into ceiling.

wiring

- Electrical cable secured to outlet box by approved connector.
- Six inches of lead wires extend from outlet box.

See Figure 4 for an adequate existing fan site.

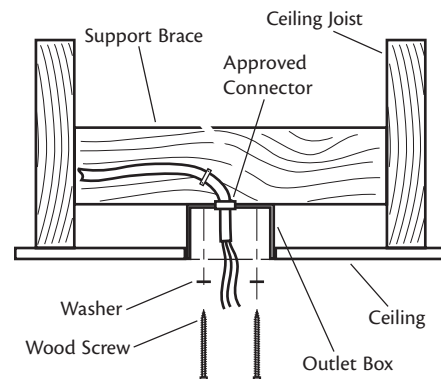


Figure 4 - Adequate existing fan site

If your existing fan site is suitable, go to the **installing the ceiling plate** section and begin installing your new Hunter fan.

preparing a new fan site

To prepare the fan site follow four steps:

- Cutting the Ceiling Hole
- Installing the Support Brace (if necessary)
- Installing the Outlet Box
- Preparing the Wiring

cutting the ceiling hole

1. Locate the site for the hole directly below the joist or support brace that will hold the outlet box and fan.
2. Cut a 4" diameter hole through the drywall or plaster of the ceiling as shown in Figure 5. You will use the hole to install the support brace and outlet box.

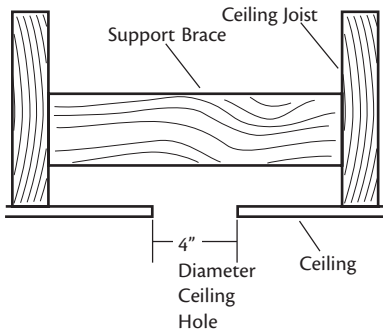


Figure 5 - Cutting the ceiling hole

installing the support brace

If there is a ceiling joist directly above the hole which will allow the outlet box to be recessed a minimum of 1/16" in the ceiling, go to **installing the outlet box** section.

If there is not an adequate ceiling joist available, do the following:

1. Attach a 2" x 4" support brace between two joists. The support brace must allow the bottom of the outlet box to be recessed a minimum of 1/16" into the ceiling. See Figure 6.
2. Check the support brace to ensure it will support the full weight of the fan and light kit.

installing the outlet box

1. Obtain a UL-approved octagonal 4" x 1-1/2" outlet box, plus two #8 x 1-1/2" wood screws and washers, available from any hardware store or electrical supply house.
2. Orient the outlet box so that both the inner and outer holes in the box align with the joist or support brace.
3. Drill pilot holes no larger than the minor diameter of the wood screws (5/64") through the inner holes of the outlet box.
4. Attach the outlet box directly to the support brace or joist with two #8 x 1-1/2" wood screws and washers. The bottom of the outlet box must be recessed a minimum of 1/16" into the ceiling as shown in Figure 6.

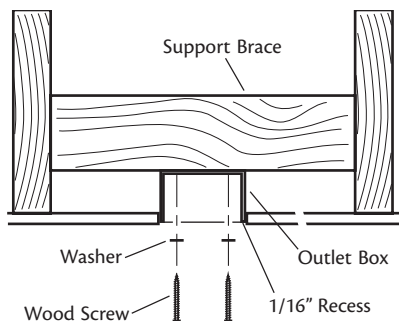


Figure 6 - Installing the outlet box

preparing the wiring

CAUTION: All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, you should use a qualified electrician.

1. Make sure the circuit breakers to the fan supply line leads and associated wall switch location are turned off. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.
2. Thread the fan supply line through the outlet box so that the fan supply line extends at least 6" beyond the box as shown in Figure 7.
3. Attach the fan supply line to the outlet box with an approved connector, available at any hardware store or electrical supply house. Refer to Figure 7.
4. Make certain the wiring meets all national and local standards and ANSI/NFPA 70.

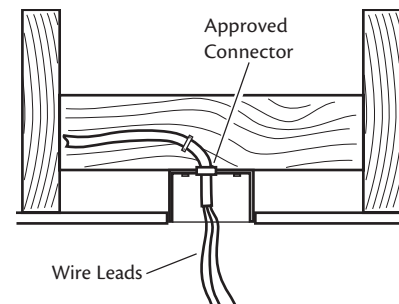


Figure 7 - Preparing the wiring

You have now successfully prepared your ceiling fan site. For instructions on how to install your ceiling fan, continue with the **installing the ceiling plate** section.

installing the ceiling plate

1. Drill two pilot holes into the wood support structure through the outermost holes on the outlet box. The pilot holes should be 9/64" in diameter.
2. Thread the lead wires from the outlet box through the hole in the middle of the ceiling plate.
3. Your fan comes with four neoprene noise isolators. Position the isolators between the ceiling plate and ceiling by inserting the raised areas on each isolator into the holes in the ceiling plate. Refer to Figure 8.

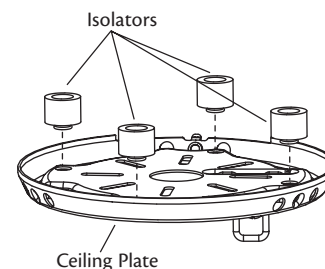


Figure 8 - Inserting the isolators into the ceiling plate

- Align the slotted holes (refer to Figure 10) in the ceiling plate with the pilot holes in the wood support structure. Note: The isolation pads should be flush against the ceiling.
For Angled Ceilings: Be sure to orient the ceiling plate so that the arrows on the ceiling plate are pointing towards the ceiling peak. Refer to Figure 9.

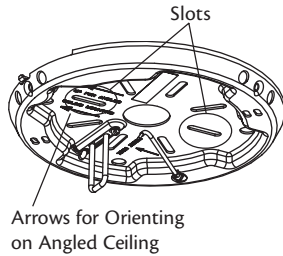


Figure 9 - Locating the slotted holes to use

- Place a flat washer on each of the two 3" screws and pass the screws through the slotted holes in the ceiling plate as shown in Figure 10.
- Tighten the screws into the 9/64" pilot holes; do not use lubricants on the screws. Do not overtighten.

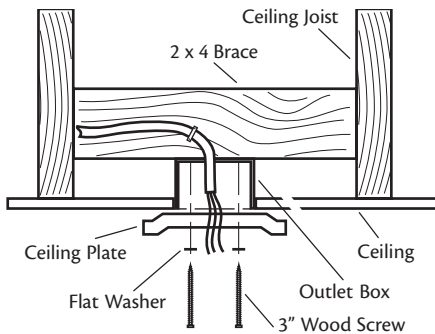


Figure 10 - Installing the ceiling plate

assembling the blades

- Rest the fan on the package.
CAUTION: Do not pinch wires coming from the bottom of the ceiling fan.
- Remove the three screws, then remove the upper motor housing as shown in Figure 11.

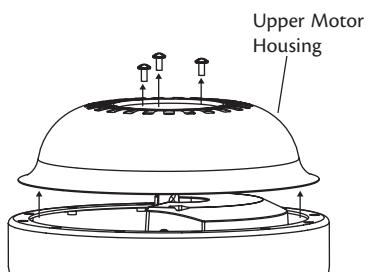


Figure 11 - Removing the upper motor housing

- Assemble a blade as shown in Figure 12.
NOTE: The hole on the bracket part of the blade should align with one of the large holes on the motor housing.

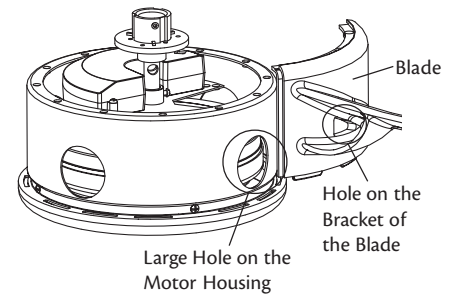


Figure 12 - Assembling the blades

- Install the three blade assembly screws loosely.
- Repeat steps 3 and 4 for each blade until all four blades are assembled.
- Securely tighten all blade assembly screws.
- Reassemble the upper motor housing with the previously removed screws.

assembling the fan

- Insert the downrod through the canopy and canopy trim ring as shown in Figure 13. Feed wires from the fan through the downrod.
- Screw the downrod into the fan assembly until tight. **IMPORTANT!** Tighten allen head set screw as shown in Figure 13 with the included allen wrench.
CAUTION: The downrod has a special coating on the threads. Do not remove this coating; the coating prevents the downrod from unscrewing. Once assembled, do not remove the downrod.
- Continue to the **hanging the fan** section.

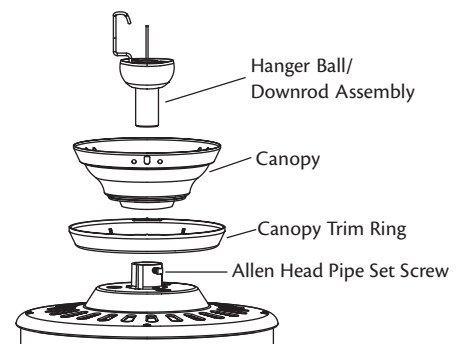


Figure 13 - Assembling the downrod

hanging the fan

1. Raise the fan and place the hook through the loop on the ceiling plate as shown in Figure 14. Use the note and arrow engraved in the ceiling plate to assist in determining the direction to assemble.

⚠WARNING: Fan may fall if not assembled as directed in these installation instructions.

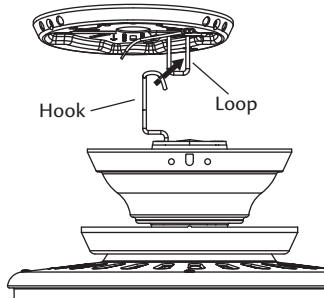


Figure 14 - Hanging the fan

wiring the fan

1. Disconnect the power by turning off the circuit breakers to the outlet box and associated wall switch location.
2. Connect the wires as shown in Figure 15. To connect the wires, twist the bare metal leads together. Place a wire nut over the intertwined length of wire and twist clockwise until tight as.

⚠CAUTION: Be sure no bare wire or wire strands are visible after making connections.

All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, you should use a qualified electrician.

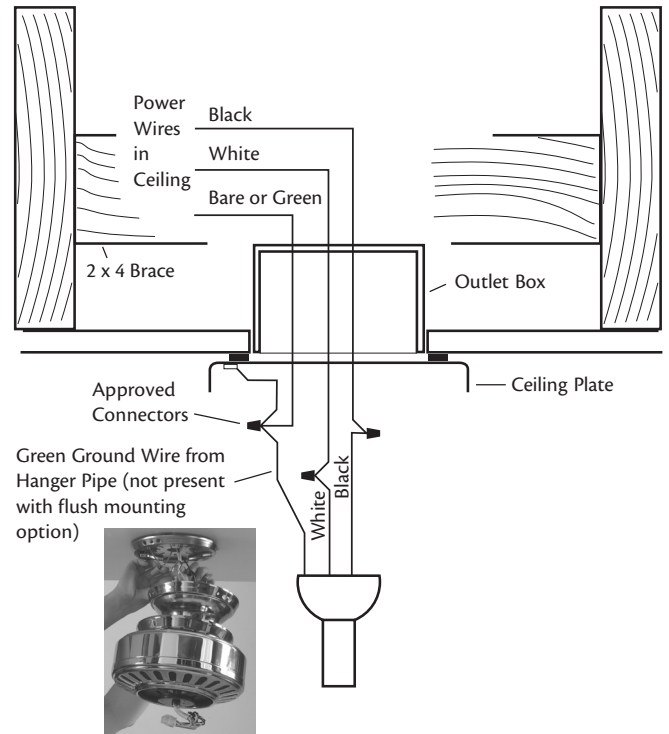


Figure 15 - Wiring the fan

installing the canopy

1. Rotate the fan 180° clockwise from the initial position when hanging the fan. The arrows on the hanger ball and on the ceiling plate should be pointing in the same direction and should be pointing towards the tab hole on the canopy. Refer to Figure 16.

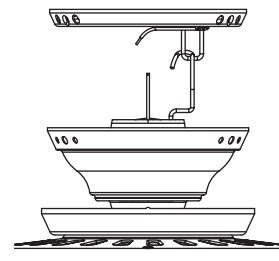


Figure 16 - Rotating the fan

For Flush Mounting: The arrows on the low profile washer and on the ceiling plate should be pointing in the same direction and should be pointing towards the tab hole on the canopy.

2. Hook the tab hole over the tab on the ceiling plate as shown in Figure 17.
3. Raise the canopy, be sure the holes in the canopy and the ceiling plate are aligned, and loosely assemble the canopy screws one at a time. When all three screws are assembled, securely tighten all three canopy screws. Refer to Figure 17.

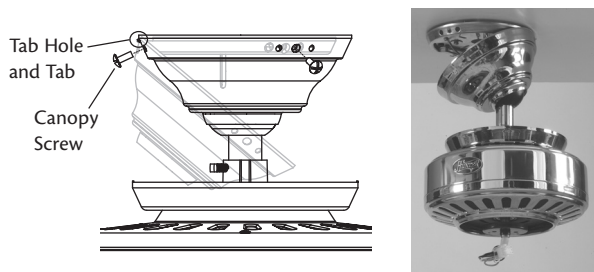


Figure 17 - Installing the canopy

installing the canopy trim ring

1. To easily install the canopy trim ring, locate the two tabs on the canopy trim ring. See Figure 18.

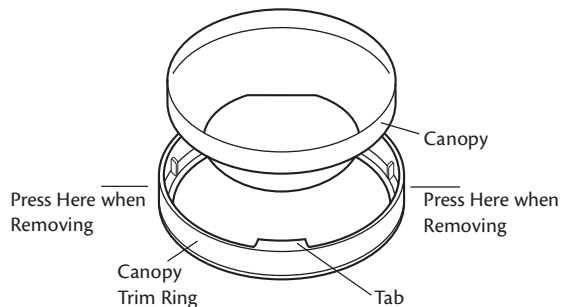


Figure 18 - Canopy trim ring

2. Take both hands and push the canopy trim ring up to the top of the canopy. See Figure 18.
3. The canopy trim ring will snap and lock into place on the canopy.

removing the canopy trim ring

1. Locate the tab indicators, small bumps on top of tabs. Refer to Figure 19.
2. To remove the canopy trim ring, press firmly on opposite sides of the ring towards the canopy as shown in Figure 19. The tabs will flex out releasing the trim ring from the canopy.

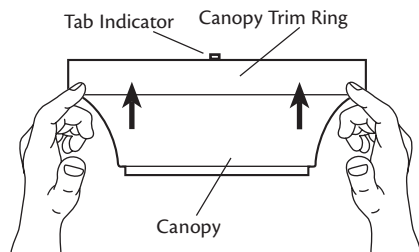


Figure 19 - Removing the canopy trim ring

installing the light fixture

attaching the light fitter

1. Partially install two #6-32 x 3/8" assembly screws into the mounting plate as shown in Figure 20.
2. Feed the two plug connectors from the fan body through the center hole of the light fitter.
3. Align the keyhole slots in the light fitter with the assembly screws installed previously.
4. Turn the light fitter counterclockwise until the assembly screws are firmly situated in the narrow end of the keyhole slots as shown in Figure 20. Install the one remaining #6-32 x 3/8" assembly screw into the third hole in the light fitter. Tighten all three screws firmly.

CAUTION: Make sure the light fitter is securely attached to the mounting plate. Failure to properly attach and tighten all three assembly screws could result in the light fixture falling.

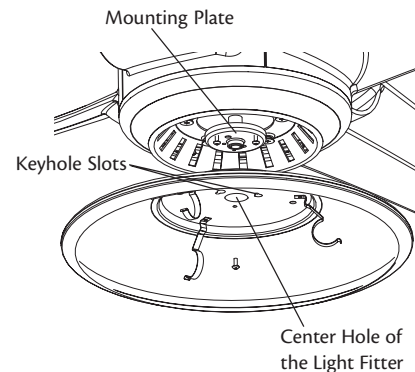


Figure 20 - Attaching the light fitter

attaching the glass globe

1. Feed the two plug connectors -- female plug first then male plug -- from the ballast through the center hole of the smaller of the two rectangular metal brackets. Refer to Figure 21.
2. Attach the metal bracket to the ballast with two #10-32 x 3/8" screws as shown in Figure 21.

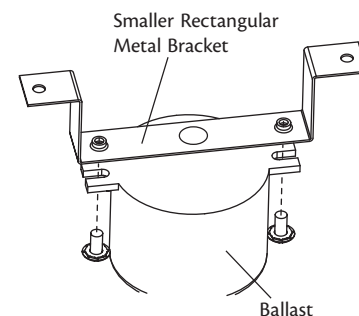


Figure 21 - Attaching the bracket to the ballast

- Align the screw holes in the larger metal bracket with the screw holes in the smaller metal bracket and the light fitter as shown in Figure 22.
- Install two #10-32 x 3/8" screws.

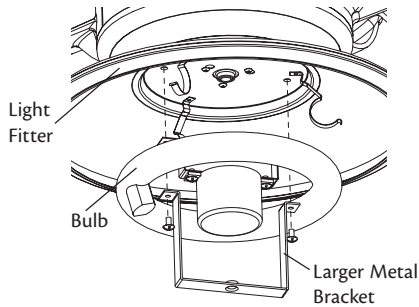


Figure 22 - Attaching the brackets to the light fitter

- Install the included bulb. Connect the plug connector from the ballast to the bulb.
- Align and install the glass globe to the light fitter.
- Twist clockwise and tighten the finial.

setting up your remote

installing the remote cradle

standard light switch

- Remove the two screws holding the switch cover plate. Do not remove the cover plate.
- Orient the control cradle as shown in Figure 23, and line up the two inner mounting holes with those on the switch, insert screws, don't over tighten.

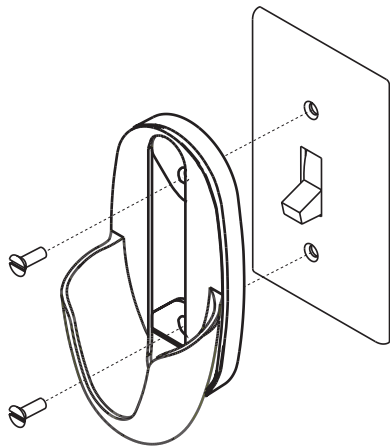


Figure 23 - Installing the remote cradle for a standard light switch

rocker light switch

- Break off the two tabs by pushing outward. See Figure 24.
- Remove the two screws holding the switch cover plate. Do not remove the cover plate.

- Orient the remote cradle as shown in Figure 24. Line up the two outer mounting holes with those on the switch, insert screws, don't over tighten.

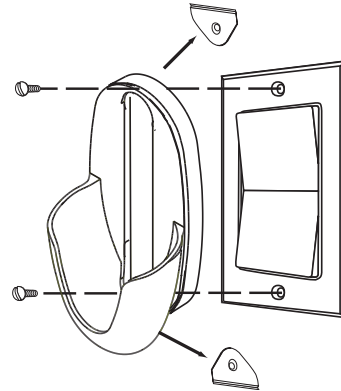


Figure 24 - Installing the remote cradle for a rocker light switch

wall installation

- Locate a 2x4 wall stud in a convenient location.
- Orient the remote cradle as shown in Figure 25, over the 2x4 stud.
- Use the 1" wood screws in either the inner or outer mounting holes.

NOTE: Wall anchors and 6-32 x 1" screws may be used in situations where mounting to a stud is not possible. Use the inner mounting holes.

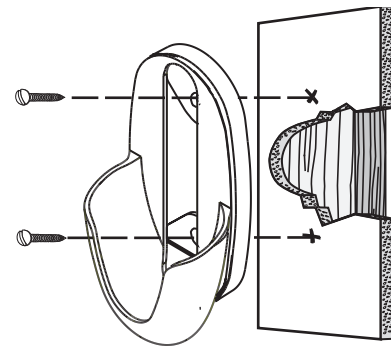


Figure 25 - Installing the remote cradle on the wall

installing the battery

- Slide the cover off the back of the remote as shown in Figure 26, pressing in and sliding the cover down to release.
- Install the included 12 volt alkaline battery (Type 23A, MN-21 or equivalent) inside the remote, matching polarity on the Battery as indicated by the + and - symbols in the Battery Compartment. See Figure 26. Replace the cover.

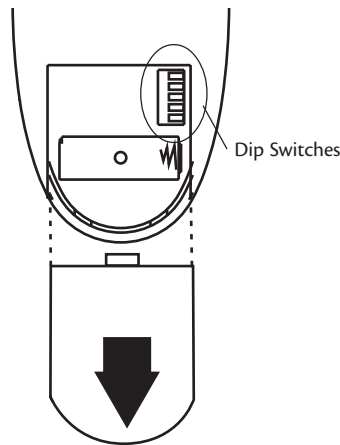


Figure 26 - Installing the battery and setting the dip switches

setting the dip switches

NOTE: You will only have to change the DIP switch settings in the remote if you are using more than one remote controlled fan in the same area and want to control them separately.

1. At the circuit breaker or fuse box, turn the power off for the fan you want to change.
2. Slide the cover off the back of the remote and remove the battery. The battery must be removed when changing dip switch settings. Refer to BATTERY INSTALLATION and Figure 26.
3. Change the DIP switch settings, assuring that they are different from the previously installed fan. Refer to Figure 27.

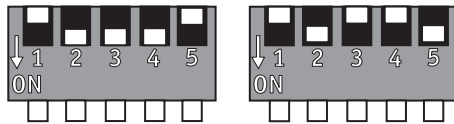


Figure 27 - Setting the dip switches

4. Replace the battery and cover.
5. At the circuit breaker or fuse box, turn the power back on for the fan whose settings you are changing.
6. Within 20 seconds of restoring power, push the Hi, Med, and Lo buttons (in that order). Refer to Figure 28.

NOTE: You may want to label your controls to assure you do not mix them up.

Do not turn the power off at the circuit breaker, then back on, for the previously installed fan(s), as you may inadvertently change the DIP switch code settings for it as well.

NOTE: The DIP SWITCH SETTING sub steps must be repeated as described above for the proper setting of the DIP switch code in the receiver and remote.

power failure

The receiver has a memory function that retains the last DIP switch code setting. The setting will not change in the event of power failure or if power to the fan is inadvertently shut off.

using the remote control

fan control

Refer to Figure 28 for identification of control buttons.

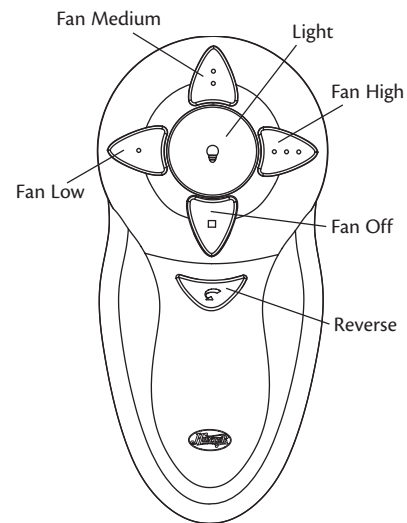


Figure 28 - Using the remote control

To start the fan press the selected speed button to run the fan at the desired speed.

To turn off the fan. Press the FAN OFF button.

airflow direction

To reverse the airflow press the REVERSE button. Reverse operates at any speed whether fan is on or off. The fan returns to its set speed after reversing.

If the fan is not functioning after installation:

1. Check to make sure that battery is installed correctly in the control.
2. Turn the power off to the fan (from the circuit breaker) for at least 5 seconds.
3. Turn the power back on (at the circuit breaker) and push the Hi, Med, and Low buttons—in that order—within 20 seconds.
4. The fan should now function properly.

light control

Turn the light on or off independently from the fan by pressing the LIGHT button. When the light is on, press the LIGHT button 1 time for a gradual off (light dims from full brightness to completely off) or press the LIGHT button 2 times for an instant off.

Press the button for longer than 1 second, it becomes a dimmer. The light varies from 'bright' to 'dim' over approximately 8 seconds. This sequence will reverse the light when it reaches the brightest or dimmest level if you continue to hold the LIGHT button. Release the button when the desired level is reached.

auto resume

Quick (pressing less than 1 second) on/off operation of the LIGHT button maintains the desired brightness level set previously.

FCC information

1. 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.
2. 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.

NOTE: Any changes or modifications to the transmitter or receiver not expressly approved by Hunter Fan Company may void one's authority to operate this remote control.

3. For use only with electrically reversible ceiling fans rated at 1.0 amp or less, and fan incandescent light kits rated at 300 watts or less.
4. Not for use with shaded-pole or nonreversible motors. Not recommended for use with the Hunter Original[®].

operating your ceiling fan

1. Turn on electrical power to the fan.
2. Ceiling fans work best by blowing air downward (counterclockwise blade rotation) in warm weather to cool the room with a direct breeze. In winter, having the fan draw air upward (clockwise blade rotation) will distribute the warmer air trapped at the ceiling around the room without causing a draft. Refer to Figure 29.

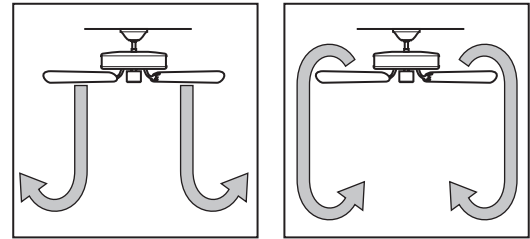
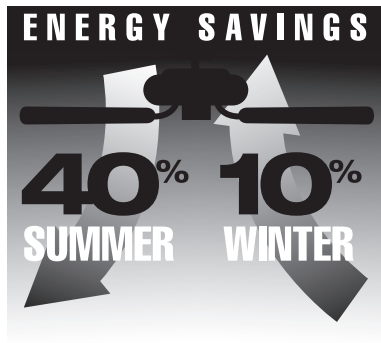


Figure 29 - Air flow patterns



Hunter fans have the power to cut your cooling costs up to 40%.
Beat the High Cost of Cooling

The air movement created by a Hunter ceiling fan lets you set your thermostat higher and still stay comfortable. Every degree you raise the thermostat saves up to 7% on energy costs. So, you can cut back on expensive air conditioning...and save up to 40%* on cooling. In winter, your Hunter fan recirculates warm air and saves up to 10%* on heating bills.

*Your savings many vary based on climate, building type and thermostat setting. On average at low speed settings.



Save Energy and Money While Protecting the Environment

Congratulations! You're saving energy and money while protecting the environment by purchasing this ENERGY STAR qualified Hunter ceiling fan! With this purchase, you are doing your part to protect the environment. In 2010, ENERGY STAR qualified ceiling fans are projected to cut air pollution by more than 500 million pounds! Your new ceiling fan has earned the ENERGY STAR label because it meets high energy efficiency specifications set by the Environmental Protection Agency (EPA). ENERGY STAR labeled ceiling fans save energy because they have more efficient fan motors and air delivery due to more aerodynamic blade configurations. Ceiling fan models bearing the ENERGY STAR label move air 14 - 20% more efficiently than typical ceiling fan models. For more information on ENERGY STAR visit www.energystar.gov.

cleaning your ceiling fan

caring for finishes and blades

For cleaning, a soft brush or lint-free cloth should be used to prevent scratching the finish. A vacuum cleaner brush nozzle can remove heavier dust. Surface smudges or an accumulation of dirt and dust can easily be removed by using a mild detergent and a slightly dampened cloth. An artistic agent may be used, but never use abrasive cleaning agents as they will damage the finish.

replacing your light bulbs

- Contact Hunter Fan Company Customer Service at:
1-888-830-1326
- Visit the Hunter Fan Company web site at:
<http://www.hunterfan.com/>
- Return to the store where you purchased this light kit and use the following guidelines in choosing a 30-Watt 4-Pin Circline Bulb (FC8T9):
 Bulb Life = 10,000 hours or greater
 Color Temp = 2700 - 3000 Kelvins
 CRI (Color Rendering Index) = 80 - 88

This will ensure the high quality illumination comparable to the bulb packaged with this light kit.

troubleshooting

Problem: Nothing happens; fan does not move.

1. Turn power on, replace fuse, or reset breaker.
2. Loosen canopy, check all connections according to the **wiring the fan** section.
3. Check the plug connection in the switch housing.
4. Remove the shipping bumpers.

Problem: Noisy operation.

1. Tighten the blade bracket screws until snug.
2. Tighten the blade screws until snug.

Problem: Excessive wobbling.

1. If your fan wobbles when operating, use the enclosed balancing kit and instructions to balance the fan.
2. Tighten all blade and/or blade iron screws.
3. Turn power off, support fan very carefully, and check that the hanger ball is properly seated.

If you need parts or service assistance, please call 888-830-1326 or visit us at our WEB site at <http://www.hunterfan.com>.

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