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## Sofucor 52K085

# Sofucor Smart Ceiling Fan 52 Inch

Model: 52K085 - User Instruction Manual

## 1. INTRODUCTION AND OVERVIEW

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This manual provides detailed instructions for the installation, operation, and maintenance of your Sofucor Smart Ceiling Fan. Please read this manual thoroughly before installation and use to ensure safe and efficient operation. This 52-inch smart ceiling fan features a quiet DC motor, 5 solid wood blades, integrated LED lighting, and multiple control options.



Figure 1: Sofucor 52-inch Smart Ceiling Fan in a living room setting.

## 2. SAFETY INFORMATION

- Always disconnect power at the circuit breaker before installation or servicing.
- Ensure the mounting structure can support the weight of the fan (approximately 15.71 lbs).
- All wiring must be in accordance with national and local electrical codes. If you are unfamiliar with wiring, consult a qualified electrician.
- Do not bend blade holders during installation, balancing, or cleaning.
- Ensure blades are at least 7 feet (2.13 meters) from the floor.

- Do not operate the fan if any part is damaged.

### 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 × DC Motor
- 1 × LED Light Kit
- 1 × Remote Control
- 5 × Solid Wood Blades
- 3 × Downrods (5", 10", and 24")
- Mounting Hardware (screws, wire nuts, etc.)



Figure 2: Unboxed components of the ceiling fan.

Your browser does not support the video tag. This video demonstrates the unboxing and initial assembly of the Sofucor 52-inch ceiling fan, showcasing all included parts and their arrangement before final installation.

Video 1: Unboxing and Initial Assembly

### 4. SPECIFICATIONS

Feature	Detail
Brand	Sofucor
Model Name	52K085
Size	52 inch
Color	White
Number of Blades	5 (Solid Wood)
Motor Type	DC Motor
Noise Level	Under 35dB
Speed Settings	6 Speeds
Light Type	Integrated LED
Light Color Temperatures	3 (Adjustable)
Control Method	Remote, App, Voice (Alexa/Google Assistant)
Timer Function	2-hour, 4-hour auto-off
Reversible Function	Yes (Summer/Winter mode)
Included Downrods	5", 10", 24"
Installation Type	Ceiling Mount (Flat or Sloped)
Indoor/Outdoor Usage	Indoor, Outdoor (Covered Patio)
Item Weight	15.71 Pounds
Air Flow Capacity	4500 Cubic Feet Per Minute

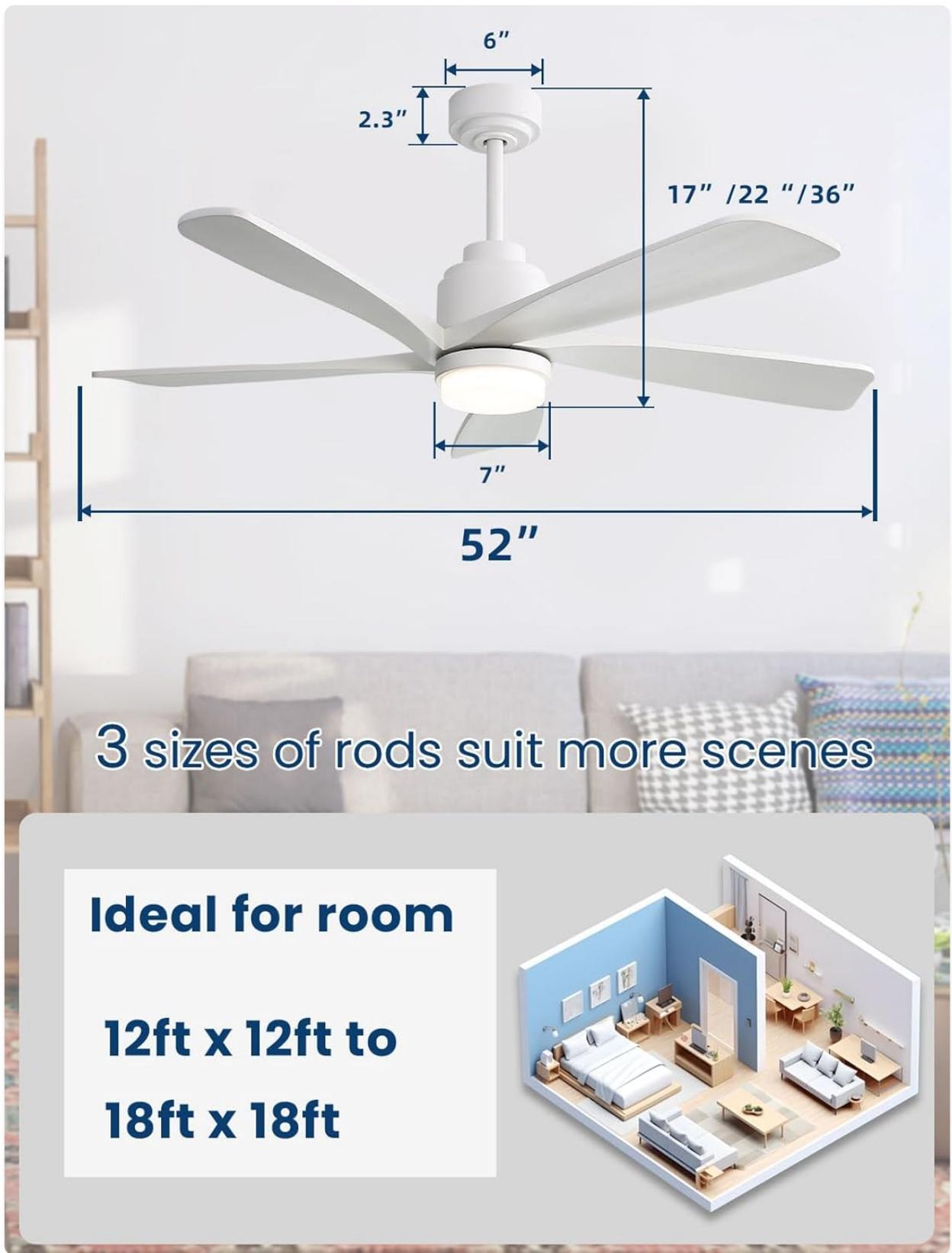


Figure 3: Fan Dimensions and Recommended Room Size.

# ENERGYGUIDE

Estimated  
Yearly Energy Cost  
**\$5**



Cost Range of Similar Models (36" – 60")

- Based on 12 cents per kWh and 6.4 hours use per day
- **Your cost depends on rates and use**
- Energy Use: 40 Watts

Airflow

**5230**

Cubic Feet Per Minute

- The higher the airflow, the more air the fan will move
- Airflow Efficiency: 130 Cubic Feet Per Minute Per Watt

All estimates based on typical use, excluding lights

[ftc.gov/energy](http://ftc.gov/energy)

Figure 4: Energy Guide for the Sofucor 52-inch Smart Ceiling Fan.

## 5. SETUP AND INSTALLATION

The Sofucor Smart Ceiling Fan is designed for flexible installation on both flat and sloped ceilings. Three downrod options (5", 10", and 24") are included to accommodate various ceiling heights.

### 5.1 Mounting the Fan

Ensure the electrical box is securely mounted and capable of supporting the fan's weight. Attach the mounting bracket to the electrical box. For sloped ceilings, ensure the bracket is oriented correctly to allow the downrod to hang straight.

## 5" / 10" / 24" Downrod Options (packed)



## Flat / Sloped Ceiling Compatible



Figure 5: Flexible Installation Options with various downrods and ceiling types.

### 5.2 Wiring Connections

Connect the fan's electrical wires to the household wiring according to the provided wiring diagram in the manual. Use the included wire nuts to secure connections. Ensure all connections are tight and properly insulated.

### 5.3 Blade Attachment

Attach the 5 solid wood blades to the motor housing using the provided screws. Ensure all screws are tightened securely to prevent wobbling during operation.

Your browser does not support the video tag. This video provides a quick overview of the installation process for the Sofucor 52-inch ceiling fan, highlighting its ease of assembly.

Video 2: Easy Installation Overview

## 6. OPERATING INSTRUCTIONS

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Your Sofucor Smart Ceiling Fan offers multiple convenient control methods.

### 6.1 Remote Control

The included remote control allows you to adjust fan speed, light settings, and activate special functions. It features dedicated buttons for fan ON/OFF, light ON/OFF, speed adjustment (6 levels), light color temperature change, dimming, timer settings (2H/4H), and reverse function.

# 3 Separate Color Temperature Key



Figure 6: Remote Control Functions for Light and Fan.

## 6.2 App and Voice Control

The fan is compatible with Alexa and Google Assistant, and can be controlled via a dedicated mobile app. This allows for remote adjustments of speed, light modes, and voice commands.



# Voice Control

Alexa , turn on the ceiling fan.



Figure 7: Voice Control with Alexa and Google Assistant.



Figure 8: Mobile App Control Interface.

### 6.3 Adjustable Lighting and Memory Function

Customize your ambiance with three color temperatures (warm, natural, white light) and seamless dimming. The built-in memory function recalls your last light setting, so you always start with your preferred brightness and tone.

### 6.4 Reversible Function (Summer/Winter)

The fan features a reversible function to optimize air circulation for different seasons. In summer, the fan operates in downdraft mode to create a cooling breeze. In winter, it switches to updraft mode to circulate warm air evenly throughout the room.



Figure 9: Summer (Downdraft) and Winter (Updraft) Modes.

## 6.5 Timer Settings

Utilize the 2-hour or 4-hour auto-off timer function for convenience, especially during sleep.



Figure 10: Timer Function for convenience.

## 7. MAINTENANCE

- **Cleaning:** To clean the fan, wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Blade Care:** Periodically check blade screws for tightness. Loose screws can cause wobbling and noise.
- **Light Source:** The integrated LED light source is designed for long-term use and typically does not require replacement.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not start	Loose wire connections, no power, remote battery low.	Check circuit breaker, ensure all wiring is secure, replace remote battery.
Fan wobbles	Loose blade screws, unbalanced blades, improper mounting.	Tighten all blade screws, ensure blades are balanced, re-check mounting bracket.
Light does not work	Loose wire connection, light kit failure.	Check light kit wiring, contact customer support if light kit is faulty.

Remote not responding	Low battery, interference, remote not paired.	Replace remote battery, ensure no obstructions, re-pair remote according to manual.
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## 9. WARRANTY AND SUPPORT

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Sofucor offers a **lifetime warranty for the motor** and a **3-year warranty for parts**. If the motor does not work, it can be replaced for free for life. Other parts are covered for 3 years. For any after-sales or installation questions, our **24-hour customer service team** is available to assist you.

Contact information for support can be found on the Sofucor official website or your purchase documentation.