



PEARL SERIES

Installation Guide

BEFORE YOU BEGIN

Thank you for choosing the Pearl Series fan! This guide will walk you through the installation process step by step. Please read carefully before starting.

Important Safety Information

- ⚠ Turn off power before installation to prevent electrical shock.
- ⚠ Use a sturdy mounting point—your fan must be securely attached to a structure that can support at least five times its weight.
- ⚠ Electrical installation must follow local electrical codes. If unsure, consult a qualified electrician.
- ⚠ Do not install outdoors—the Pearl Series is for indoor use only.
- ⚠ Ceiling height requirements:
 - ⚠ Minimum: 8 ft.
 - ⚠ Maximum: 15 ft.
- ⚠ Coverage area: Each fan effectively circulates air in a space up to 800 sq. ft.

Installation Steps

Step 1: Unpack the Fan

- ✔ Remove the fan from the box and take off the protective packaging.

- ✔ Identify the bail (mounting handle)—this will be used to hang the fan.

Step 2: Prepare the Mounting Area

- ✔ Choose a location that allows for unobstructed airflow from the fan to the floor.
- ✔ Ensure no objects like ducts, lights, or sprinkler systems are blocking the air column.
- ✔ If installing above aisles, keep the fan at least 3 feet away from shelving edges.

Step 3: Secure the Fan

- ✔ The fan must be mounted 12 to 18 inches below the ceiling for optimal performance.
- ✔ Use hooks, chains, cables, carabiners, bridle rings, or beam clamps to attach the fan securely.
- ✔ Do not use zip ties—they are not strong enough to support the fan safely.
- ✔ Once mounted, tighten all connections to ensure the fan is stable.

Step 4: Electrical Connection

For 120V models:

- ✔ Comes with a molded, three-prong plug for easy connection to a grounded outlet.
- ✔ Do not modify the plug—it is designed for safety.

Step 5: Powering On & Testing

- ✔ Before securing wiring, remove your hands from the fan and plug the fan into a similar outlet at floor level to test functionality.
- ✔ Once confirmed, secure the power cord to the ceiling structure using a zip tie or wire to prevent accidental unplugging.

Step 6: Fan Control & Operation

- ✔ Up to 8 Pearl S2 fans can be controlled from a single 1.5A TRIAC for synchronized airflow.
- ✔ If using a variable speed controller, follow the provided control instructions.



- ✔ The fan should run continuously for best performance in maintaining even temperatures.

Maintenance & Care

- ⚠ Turn off power before cleaning.
- ⚠ Use a damp cloth with mild detergent to wipe down the fan housing and grille.
- ⚠ Do not use harsh chemicals, solvents, or petroleum-based cleaners.
- ⚠ Periodically check mounting hardware to ensure the fan remains securely attached.

Troubleshooting

Fan does not start:

- ❓ Check that the fan is plugged into a working outlet.
- ❓ Ensure circuit breaker is not tripped.

Fan airflow is too weak or strong:

- ❓ Adjust the speed control (if applicable).

Fan is noisy or vibrating excessively:

- ❓ Ensure all mounting hardware is tight.
- ❓ Check the fan blade to make sure it is not broken
- ❓ Make sure the fan is hanging freely without obstructions.

For additional support, contact Airius Customer Service at [1-888-247-7327](tel:1-888-247-7327) or visit www.airiusfans.com.

