Welcome to Skywiki

Skywiki is a community knowledge base dedicated to **Skywalker and radiant coffee roasters**.

Here you'll find guides on roasting theory, firmware, hardware modifications, and experiments created by the home roasting community.

Whether you're **new to the Skywalker** or building **custom controllers and firmware**, this site aims to collect and organize the most useful knowledge in one place.

□□ Start Here

New to the Skywalker?

Start with these guides:

- Getting Started with the Skywalker
- First Roast Walkthrough
- Basic Safety and Setup

□ Popular Guides

Some of the most useful resources on Skywiki.

- Radiant vs Convection Roasting
- Setting Up HiBean
- Artisan Setup Guide

□□ Firmware & Electronics

For users building or modifying controllers.

- ESP32 Roaster Controller Guide
- Artisan Integration
- SkyCommand Firmware
- Sensor Wiring (MAX6675 / PT100)

□□ Communication Protocols

Documentation on how roasters communicate with software and controllers.

- Skywalker V1 Protocol
- Cubean UART Packets
- Temperature Decoding

□□ Hardware Mods

Community modifications and upgrades.

- Temperature Probe Mods
- Airflow Modifications
- Drum Motor Upgrades
- Cooling Improvements

□□ Roasting Knowledge

Theory and deeper explanations about radiant roasting.

- Radiant Heat Transfer in Coffee Roasters
- Why RoR Behaves Differently on IR Roasters
- Heat Transfer Physics in Roasting

Experiments & Data

Testing and experiments performed by the community.

- IR Lamp Power Tests
- Airflow Experiments
- Drum Speed Experiments

Community

Skywiki exists because of the home roasting community.

Discord

Skywalker Community Discord

YouTube

https://youtube.com/@nirecue

Website

https://skywiki.coffee

About Skywiki

Skywiki is an open knowledge base designed to organize information that is often scattered across forums, Discord servers, and social media.

The goal is to preserve and share knowledge about **Skywalker and radiant coffee roasting systems**.

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