



**SANANBIO**<sup>®</sup>  
RADIX Vertical Hydroponic System

# S-Kit Quick Start

The Quick Start is developed to be used with the latest Radix User Manual. Please read all instructions carefully before use and keep them for future reference

## What's in the box

Each S-Kit consists of two main components:

1. 3 layers stacked (2 grow beds and 1 light canopy ), all grow lights are pre-assembled.
2. Grow Rafts and Light Barriers
3. The water reservoir; Inside the reservoir, you will find:
  - a. **Modules legs and spacers:** legs with outlets (3), leg without outlet (1) , and spacers (8).
  - b. **Electrical connection parts:** Power cord\_main supply outfitted with a wall plug (1) and power cord\_interconnection (1).
  - c. **Plumbing parts:** supply tubing (1), Submersible pump (1) and drain hose (1) . The drain hose is pre-assembled with Plumb-Quick fitting.
  - d. **Raft caps, Dams and filter:** raft caps (112), Retaining Dams 12mm (4), Retaining Dams 25mm (4), Filter (1)

## Before you start

- Please read the user manual carefully before use.
- It's highly recommended to assemble the Product close to the desired installation site.
- It's recommended to have an open space with an area greater than 40 sf ft with flat surface.
- Installing this module will require 2 to 3 adults.
- Tools required: a **rubber mallet**.
- If you have any questions or uncertainties, please contact your local sales representative for assistance.

## Before First Use

- Make sure all mechanical/electrical connections are securely fastened
- Refer to the RADIX User Manual for operation and maintenance instructions. Only use Shallow Flow Mode per Section 4-2-2. Wipe the S-Kit with a soft cloth or sponge to remove any excess dust. Use only designated sanitizing solutions.



## Safety Warnings

- Read the Quick Start and User Manual carefully. Deviation from the user manual may result in risk of flood, fire, or electric shock
- Do not use hammers or clamps on the S-Kit. Use a rubber mallet
- **WARNING: Risk of electric shock: Do not connect power during the assembly process**
- **WARNING: Risk of electric shock: Make sure all connector are securely fastened before use.**
- **WARNING: Risk of electric shock or fire: Proper circuit protection, e.g. AFCI , GFCI , etc. must be installed.**
- **ATTENTION: Risk of flood: Do not overfill the reservoir**
- **ATTENTION: Risk of flood: Proper drainage must be installed and inspected**
- **WARNING: Risk of electric shock: Turn off power when cleaning or maintenance is in progress**
- **WARNING: Tip-over hazard: Do not climb or stand on the S-Kit**



# 1 Identify the Front/Back

1.1 When stacked, all layers have been aligned to have the same orientation. The side with the SANANBIO logo is the FRONT.



1.2 During installation keep the orientation consistent to make sure the corners are aligned properly for electrical, supply tubing and water circulation. The picture below demonstrates how the water cascades following the numerical order



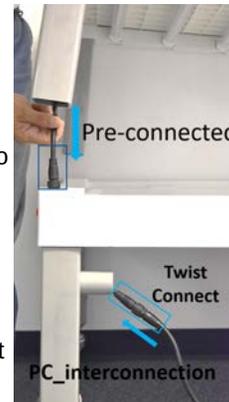
# 2 Bottom Layer

2.1 Retrieve the layer. Flip over and lay it on a flat surface.  
 2.2 Install the bottom legs. The bottom leg without outlet goes to the back left corner. All the legs with outlets should have the outlets facing inward towards the center of the long front side.  
 2.3 Flip the bottom layer and lock the casters. The bottom layer should look like the picture below.

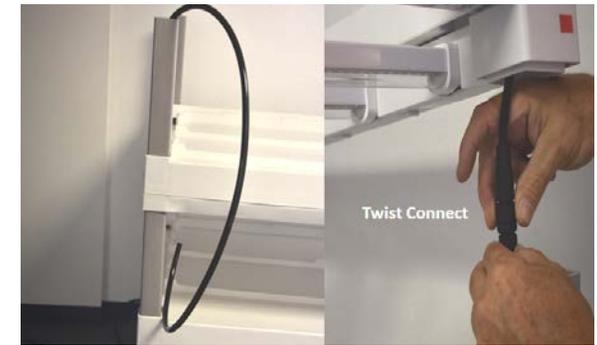


# 3 Middle Layer

3.1 Retrieve the grow bed. Flip over and lay it on a flat surface.  
 3.2 Secure the four grey spacer into the middle layer's corners. Make sure the side of the Tee Cable, connected with the bottom cable, goes through the spacer and the unconnected side points up.  
 3.3 Flip the whole layer and stage it on top of the Bottom Layer.  
 3.4 Connect the Bottom cable with Power Cord\_Interconnection before securing the spacers into the bottom layer. Make sure the cables are not being pinched.  
 3.5 Insert four additional grey spacers onto the top of the Middle Layer. Make sure the Tee Cable goes through the spacer and is ready to be connected to the Top Layer  
 3.6 Insert the supply tubing into the Bottom Leg with Outlet in the front left corner. Make sure it's not pinched as shown below



# 4 Top Layer



4.1 Stage the top layer on top of spacers. Pull out the supply tubing to reach the water inlet on the front right corner and connect the grow light connectors  
 4.2 Push the top layer onto the spacers. Make sure the supply tubing is fully inserted into the top front right spacer.  
 4.3 Use a rubber mallet to ensure all legs are fully secured. Start from the bottom layer and move upwards.

# 5 Accessories assembly



5.1 Place the reservoir under the Bottom Layer in between the bottom legs. Place the lid with the opening towards the front. Connect the drain hose to the water outlet then tighten the clamps. Do NOT over tighten. Place the loose end of drain hose inside the reservoir through the lid opening.  
 5.2 Follow the instructions from the pump manufacturer to connect the pump. Connect the supply tubing to the pump and place the pump inside the reservoir through the lid opening. Make sure leave the power cord of the pump outside the reservoir.  
 5.3 Set the flow rate dial of the pump at maximum.

*Let's Grow, Together!*